



Cedar Bay Generating Company, L.P.  
9640 Eastport Road (32218)  
P.O. Box 26324  
Jacksonville, FL 32226  
904-751-4000  
Fax 904-751-7320

April 7, 2009

Mr. Jonathan Holtom, Program Administrator-Title V Section  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Fl. 32399-2400

RECEIVED

APR 08 2009

**Re: DEP File No. 0310337-016-V  
Title V Air Operational Permit Renewal  
Request for Additional Information**

BUREAU OF AIR REGULATION

Dear Mr. Holtom:

Cedar Bay is in receipt of the Department's letter dated March 23, 2009 requesting additional information relative to specific requested changes during the facility's Title V permit renewal. Cedar Bay provides the following information pertaining to each item identified in the Department's letter.

Item #1. The requested change to Specific Condition A.8., removing the ammonia slip exhaust gas limit when burning fuel oil, will require an air construction permit modification to implement, since such a change cannot be implemented as a Title V air operation permit renewal.

Per the Department's directive Cedar Bay will initiate a modification request to the facility's Air Construction Permit to remove the ammonia slip limit (30 ppmvd) when burning fuel oil. Cedar Bay requests the Department delete the request for the removal of the ammonia slip limit when burning fuel oil from the Title V permit renewal.

Item #2. The requested change to Specific Condition A.26., deleting a reference to sulfur dioxide spans on input and output devices, cites a Department authorization letter dated February 29, 2000. Please provide a copy of this letter.

The facility's SO<sub>2</sub> analyzers have pre-selected ranges and ranging the analyzer with a 100:1 dilution ratio with a span of 1300 ppm was a challenge as potentiometer adjustments of the analyzers were stretched to the limit. After several years of actual SO<sub>2</sub> emission data was collected a request was made to change the span of the SO<sub>2</sub> analyzer to 1000 ppm. In a letter dated February 29, 2000 the Department provided authorization to change the SO<sub>2</sub> span to 1000 ppm (Attachment 1).

Cedar Bay also requested that the reference to SO<sub>2</sub> spans at A.26. (5) be deleted for accuracy purposes. There is no inlet SO<sub>2</sub> monitoring device on a circulating fluidized bed combustor. Cedar Bay's CEM system uses fuel sampling and analysis data to determine inlet SO<sub>2</sub> samples per 40 CFR Part 60 Method 19, 5.3.2.1. Additionally, Cedar Bay is a CAIR affected facility and the SO<sub>2</sub> continuous emission monitoring system is now Part 75 certified. The SO<sub>2</sub> span value and range is determined by standards in Part 75 Appendix A.

Item #3. The requested change to Specific Condition A.59., addressing recycle reject usage mentions a Department authorization document dated July 2006. Please provide a copy of this authorization document.

The Department authorized the change of charging rates of short fiber recycle rejects from the Smurfit Stone mill from cubic yards to tons via modifications to the facility's PSD permit (PSD-FL-137) and Title V permit (Title V permit 0310337-007-AC) on April 26<sup>th</sup>, 2006 (Attachment 2). As part of that modification the short fiber recycle rejects charging rate was modified from cubic yards to tons in A.3.(c). The removal of Specific Condition A.59 should have been included as part of the PSD modification in 2006 but was overlooked.

Item #4. The requested change to Specific Condition A.64., addressing the short fiber recycle rejects test burn protocol, removes the Department approval language from the condition. Please provide a copy of the Department approval letter to implement the supplemental fuel usage at the facility.

Cedar Bay performed a successful test burn of Smurfit Stone's short fiber recycle rejects from August 27<sup>th</sup> to September 25<sup>th</sup>, 2002. The short fiber recycle reject Test Burn Report (Attachment 3) was submitted to the Department on October 17<sup>th</sup>, 2002 to the attention of Mr. Scot Sheplak. The test burn data indicated that Cedar Bay's boilers could burn the short fiber recycle rejects as supplemental fuel without exceeding any of the limitations on boiler emissions, fuel usage and applicable solid waste regulations. Additionally, the test burn validated that the existing fiber reject conveying/boiler feed system and related appurtenances were able to function without causing any operational problems that would affect the reliable operation of the boiler(s).

Cedar Bay has performed a review of environmental archives and, as yet, not been able to locate the Department's response to Cedar Bay's test burn report submittal.

Please contact me by telephone at 904-696-1547 or by e-mail at [jeffwalker@cogentrix.com](mailto:jeffwalker@cogentrix.com) if there is any other information needed or if you have any questions concerning Cedar Bay's Title V permit renewal application.

Sincerely,



Jeffrey A. Walker  
Environmental Manager

cc: Mr. Tracy Patterson, Cedar Bay  
Mr. Steven Pace, ERMD, City of Jacksonville

# **ATTACHMENT 1**

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Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

February 29, 2000

Mr. Jeffrey A. Walker  
PG&E Generating  
Cedar Bay Generating Plant  
Post Office Box 26324  
Jacksonville, FL 32226

Dear Mr. Walker:

Subject: SO<sub>2</sub> Span Values for Cedar Bay Generating Plant

I reviewed your December 20 letter which contains a request to adjust the SO<sub>2</sub> span from 1300 ppm to 1000 ppm on the CFB boilers. Based on the historic fuel sulfur content and the emissions monitoring data, the monitor span may be lowered to 1000 ppm as requested. You may also use a 500 ppm SO<sub>2</sub> span on these monitors but if you exceed either of these lower spans you must provide written notification to the Department and adjust the monitor span upwards to ensure that the monitor span covers all operating conditions.

---

Please contact Martin Costello at 850/921-9511 or myself if you have further questions on this matter.

Sincerely,

M. D. Harley, P.E., DEE  
P.E. Administrator  
Emissions Monitoring Section  
Bureau of Air Monitoring  
and Mobile Sources

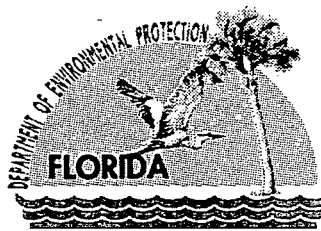
MDH/mc

cc: Michelle Golden, PG&E  
Mike Halpin, DEP  
Mort Benjamin, NED Office

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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## **ATTACHMENT 2**



Jeb Bush  
Governor

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Department of  
Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

April 28, 2006

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Martin Kreft  
General Manager  
Cedar Bay Generating Company, L.P.  
9640 Eastport Road  
Jacksonville, Florida 32218

Re: DEP File No. 0310337-009-AC, 0310337-010-AV and PA 88-24;  
Modification of Permit No.'s PSD-FL-137 and 0310337-007-AV  
Cedar Bay Generating Plant / Duval County

The applicant, Cedar Bay Generating Company, L.P., applied on August 2, 2005, to the Department for a modification to PSD permit number PSD-FL-137 and Title V permit number 0310337-007-AC for its Cedar Bay Generating Plant located in Duval County. The modification is to allow the facility to co-fire a blend of 5% tire-derived fuel (TDF) in its three circulating fluidized bed boilers (A, B and C) as well as to make changes with respect to the measurements of fuel-bound sulfur content and short-fiber reject throughput.

The Department has reviewed the modification request. The referenced air construction permit hereby modifies PSD-FL-137 as follows:

ii.A. Emission Limitations for CBCP Boilers

1. Fluidized Bed Coal Fired Boilers (CFB)

- a. The maximum coal charging rate of each CFB shall neither exceed 104,000 lbs/hr., 39,000 tons per month (30 consecutive days), nor 390,000 tons per year (TPY). This reflects a combined total of 312,000 lbs/hr., 117,000 tons per month, and 1,170,000 TPY for all three CFBs. Tire-derived fuel (TDF) may be utilized as a co-firing fuel, and shall not exceed 5% fuel input by weight on a daily basis. Petroleum coke (petcoke) may be utilized as a co-firing fuel, and shall not exceed 35% fuel input by weight on a daily basis. {Permitting Note: The limitations on the coal charging rate include ~~both~~ coal, TDF and petcoke.}
- b. The maximum charging rate to each of the two CFBs of short fiber recycle rejects from the SK recycling process shall not exceed ~~240 yd<sup>3</sup>/day wet, and 69,588 yd<sup>3</sup>/year wet~~ 420,000 lb/day and 69,600 tons/yr. This reflects a combined total of ~~420 yd<sup>3</sup>/day wet and 139,176 yd<sup>3</sup>/year wet~~ 840,000 lb/day and 139,200 tons/yr for the two CFBs that fire recycle rejects. The third CFB will not utilize recycle rejects, nor will it be equipped with handling and firing equipment for recycle rejects.
- d. ~~The sulfur content of the coal shall not exceed 1.2%, by weight, on an annual basis. The sulfur content shall not exceed 1.7%, by weight, on a shipment (train load) basis. When co-firing coal and petcoke, the blended~~ The fuel input to the CFBs shall not exceed 3.2 lb/MMBtu equivalent SO<sub>2</sub> content. Compliance shall be determined on a monthly basis via a composite of daily fuel samples.

18. The permittee shall submit annual reports to EQD and DEP/BAR summarizing emissions for each calendar year. The reports will commence during the first year in which TDF is fired and continue for a total of five calendar years. Such reports are required in order to confirm Cedar Bay's projections of future actual emissions and to demonstrate to the Department's satisfaction that TDF co-firing did not result in a significant emissions increase. Reporting shall be as follows:

"More Protection, Less Process"

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Pollutant	Compliance Procedures
NO <sub>x</sub>	Five years of annual reporting by CEMS proving annual facility emissions do not exceed 1791.91 TPY
CO	Five years of annual reporting by CEMS proving annual facility emissions do not exceed 541.17 TPY
VOC	Five years of annual reporting by stack test proving annual facility emissions do not exceed 100.73 TPY
SO <sub>2</sub>	Five years of annual reporting by CEMS proving annual facility emissions do not exceed 2012.41 TPY
SAM	Five years of annual reporting by stack test proving annual facility emissions do not exceed 7.4 TPY
PM <sub>10</sub>	Five years of annual reporting by stack test proving annual facility emissions do not exceed 108.86 TPY

## II. B. CBCP - Material Handling and Treatment

14. Solid Waste Conditions. The permittee shall comply with the following solid waste conditions for TDF:

1. The tire derived fuel (i.e. the processed tires) shall conform to nominal one-inch processed tire chip standards in which less than 10% by weight are retained on a 2-inch square sieve and less than 5% total by weight will pass through a #4 sieve as determined by testing method ASTM D 422-63.
2. The tire derived fuel (TDF) shall conform to nominal one-inch processed tire chip standards in which they shall be less than 1% free wire by weight and less than 3% of the particles contain bead wire.
3. Documentation of the conformance of the TDF with the nominal one-inch processed tire chip standards shall be maintained onsite and be readily available for inspection at all times.
4. The operator shall maintain records of the quantity of TDF received at the site, stored at the site, and shipped from the site.
5. No operations involving the use of open flames shall be conducted within 25 feet of the TDF.
6. TDF piles shall not be constructed, maintained or operated in or within 200 feet of any natural or artificial body of water, including wetlands within the jurisdiction of the Department, except for bodies of water contained completely within the property boundaries of the facility and which do not ordinarily discharge from the site to surface waters.
7. Stormwater control methods for the TDF piles site shall meet the requirements of Chapters 62-25 and 62-330, F.A.C. and shall be managed in such a way as to divert stormwater or flood waters around and away from the storage piles.
8. TDF piles shall be no larger than 50 feet in width, 10,000 square feet in area and 10 feet in height.
9. A 50-foot wide fire lane shall be placed around the perimeter of each TDF pile.
10. The TDF piles site shall be bermed or given other Department approved protection if necessary to keep liquid runoff from a potential TDF fire from entering water bodies.
11. The TDF piles shall be kept free of grass, underbrush, and other potentially flammable vegetation at all times.
12. The TDF inventory shall be no more than one month's projected usage, based on the design capacity for the first six months, and no more than two times the average actual monthly usage during the preceding six months at all times thereafter.
13. Only a registered waste tire collector shall transport the TDF to or from the facility.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes.

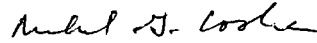
Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Also attached is a revision to the Draft Title V Air Operation Permit. For the Draft Title V Air Operation Permit Revision, the Permitting Authority will issue PROPOSED Permit conditions and subsequent FINAL Permit

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conditions in accordance with the conditions of the Draft Permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Executed in Tallahassee, Florida.



Michael G. Cooke, Director  
Division of Air Resource  
Management

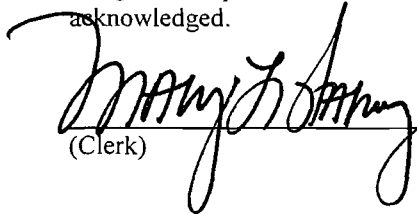
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this permit modification was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 5/8/06 to the person(s) listed:

- Martin Kreft, Cedar Bay \*
- Jeff Walker, Cedar Bay
- Ken Kosky, P.E., Golder Associates
- Hamilton Oven, P.E., PPSO
- Richard Robinson, P.E., City of Jacksonville EQD
- Doug Neeley, EPA
- John Bunyak, NPS
- Chris Kirts, DEP-NED
- Dot Mathias, Northside Civic Association

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

5/2/06

(Date)



# **ATTACHMENT 3**

# Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30, 72.31, and 74; and Chapter 62-214, F.A.C.

This submission is:  New     Revised     Renewal

**STEP 1**

Identify the source by plant name, state, and ORIS or plant code.

<b>Cedar Bay Generating Plant</b>	<b>Florida</b>	<b>10672</b>
Plant Name	State	ORIS/Plant Code

**STEP 2**

Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a."

If unit a SO<sub>2</sub> Opt-in unit, enter "yes" in column "b".

For new units or SO<sub>2</sub> Opt-in units, enter the requested information in columns "d" and "e."

a	b	c	d	e
Unit ID#	SO <sub>2</sub> Opt-in Unit? (Yes or No)	Unit will hold allowances in accordance with 40 CFR 72.9(c)(1)	New or SO <sub>2</sub> Opt-in Units  Commence Operation Date	New or SO <sub>2</sub> Opt-in Units  Monitor Certification Deadline
CBA	Yes	Yes	Feb 1994	Dec 31, 2008
CBB	Yes	Yes	Feb 1994	Dec 31, 2008
CBC	Yes	Yes	Feb 1994	Dec 31, 2008
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		

**Cedar Bay Generating Plant**

Plant Name (from STEP 1)

**STEP 3****Read the  
standard  
requirements.**Acid Rain Part Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Submit a complete Acid Rain Part application (including a compliance plan) under 40 CFR Part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
  - (ii) Submit in a timely manner any supplemental information that the DEP determines is necessary in order to review an Acid Rain Part application and issue or deny an Acid Rain Part;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain Part application or a superseding Acid Rain Part issued by the DEP; and
  - (ii) Have an Acid Rain Part.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
- (4) For applications including a SO<sub>2</sub> Opt-in unit, a monitoring plan for each SO<sub>2</sub> Opt-in unit must be submitted with this application pursuant to 40 CFR 74.14(a). For renewal applications for SO<sub>2</sub> Opt-in units include an updated monitoring plan if applicable under 40 CFR 75.53(b).

Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR Part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain Part application, the Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
  - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and
  - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the DEP:
  - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
  - (ii) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

<b>Cedar Bay Generating Plant</b>
Plant Name (from STEP 1)

**STEP 3,  
Continued.**

Recordkeeping and Reporting Requirements (cont)

(iv) Copies of all documents used to complete an Acid Rain Part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I, and 40 CFR Part 75.

Liability.

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
- (6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO<sub>x</sub> averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities.

No provision of the Acid Rain Program, an Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

**STEP 4**  
For SO<sub>2</sub> Opt-in units only.  
  
In column "f" enter the unit ID# for every SO<sub>2</sub> Opt-in unit identified in column "a" of STEP 2.

For column "g" describe the combustion unit and attach information and diagrams on the combustion unit's configuration.

In column "h" enter the hours.

f	g	h (not required for renewal application)
Unit ID#	Description of the combustion unit	Number of hours unit operated in the six months preceding initial application
CBA	1063 mmBtu Circulating fluidized combustor with limestone addition for acid gas control	Aug/08 – Jan/09 4052
CBB	1063 mmBtu Circulating fluidized combustor with limestone addition for acid gas control	Aug/08 – Jan/09 3854
CBC	1063 mmBtu Circulating fluidized combustor with limestone addition for acid gas control	Aug/08 – Jan/09 3948

<b>Cedar Bay Generating Plant</b>
Plant Name (from STEP 1)

**STEP 5**

For SO<sub>2</sub> Opt-in units only.  
(Not required for SO<sub>2</sub> Opt-in renewal applications.)

In column "i" enter the unit ID# for every SO<sub>2</sub> Opt-in unit identified in column "a" (and in column "f").

For columns "j" through "n," enter the information required under 40 CFR 74.20-74.25 and attach all supporting documentation required by 40 CFR 74.20-74.25.

i	j	k	l	m	n
Unit ID#	Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu)	Actual SO <sub>2</sub> Emissions Rate under 40 CFR 74.22 (lbs/mmBtu)	Allowable 1985 SO <sub>2</sub> Emissions Rate under 40 CFR 74.23 (lbs/mmBtu)	Current Allowable SO <sub>2</sub> Emissions Rate under 40 CFR 74.24 (lbs/mmBtu)	Current Promulgated SO <sub>2</sub> Emissions Rate under 40 CFR 74.25 (lbs/mmBtu)
<b>CBA</b>	<b>8,012,878</b>	<b>0.14</b>	<b>0.24</b>	<b>0.30</b>	<b>0.30</b>
<b>CBB</b>	<b>7,476,727</b>	<b>0.14</b>	<b>0.24</b>	<b>0.30</b>	<b>0.30</b>
<b>CBC</b>	<b>7,979,452</b>	<b>0.14</b>	<b>0.24</b>	<b>0.30</b>	<b>0.03</b>

**STEP 6**

For SO<sub>2</sub> Opt-in units only.

Attach additional requirements, certify and sign.

- A. If the combustion source seeks to qualify for a transfer of allowances from the replacement of thermal energy, a thermal energy plan as provided in 40 CFR 74.47 for combustion sources must be attached.
- B. A statement whether the combustion unit was previously an affected unit under 40 CFR 74.
- C. A statement that the combustion unit is not an affected unit under 40 CFR 72.6 and does not have an exemption under 40 CFR 72.7, 72.8, or 72.14.
- D. Attach a complete compliance plan for SO<sub>2</sub> under 40 CFR 72.40.
- E. The designated representative of the combustion unit shall submit a monitoring plan in accordance with 40 CFR 74.61. For renewal application, submit an updated monitoring plan if applicable under 40 CFR 75.53(b).
- F. The following statement must be signed by the designated representative or alternate designated representative of the combustion source: "I certify that the data submitted under 40 CFR Part 74, Subpart C, reflects actual operations of the combustion source and has not been adjusted in any way."

Signature <i>Tracy L. Patterson II</i>	Date <i>3/4/09</i>
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**STEP 7**

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

<b>Certification (for designated representative or alternate designated representative only)</b>	
I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.	
Name <b>Tracy Patterson</b>	Title <b>General Manager</b>
Owner Company Name <b>Cedar Bay Generating Company L.P.</b>	
Phone <b>904-696-1543</b>	E-mail address <b>tracypatterson@cogentrix.com</b>
Signature <i>Tracy L. Patterson II</i>	Date <i>3/4/09</i>

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AA / AM: JRY

# **CEDAR BAY COGENERATING PLANT SHORT FIBER REJECT TEST BURN PROTOCOL**

## **PURPOSE**

Cedar Bay's Conditions of Certification, Prevention of Significant Deterioration and Title V permits allow the combustion of short fiber rejects (SFR) in a single boiler pending the completion of a 30-day test burn designed to ascertain whether the circulating fluidized bed boiler can burn the rejects as supplemental fuel without exceeding permitted limitations on emissions, fuel usage or other environmental conditions and without causing any operational problems which would affect reliable operation. The 30-day test may proceed after submission of a test plan to Florida Department of Environmental Protection (FDEP) and the Air and Water Quality Division of the City of Jacksonville (RESO). This plan is intended to be used for submission to FDEP and RESO and as a guide for the plant to complete the test burn.

## **RATIONALE FOR SFR COMBUSTION**

The Smurfit Stone facility recycles corrugated cardboard to produce recycled paper and linerboard. Cedar Bay entered into a contractual arrangement to supply steam for this process in order to qualify as a cogeneration facility. The arrangement resulted in reduced air emissions by replacing the boilers at the Smurfit Stone facility. Additionally through these agreements, Cedar Bay accepts Smurfit Stone's wastewater for cooling tower make-up, minimizing the discharge of wastewater to the Broward River and to accept a portion of SFR for energy recovery purposes. To date Cedar Bay has met its obligation to accept the material but has made arrangements for the material to be disposed in a landfill due to other contractual constraints. Recently, these contractual constraints have been eliminated and so Cedar Bay is anxious to confirm the ability to burn SFR as originally intended.

## **SFR DESCRIPTION**

Short Fiber Rejects (SFR) is a by-product of the Smurfit Stone recycling process. Bales of corrugated cardboard are shredded, mixed with water and reduced to a pulp. Heavy trash material such as staples, glass, metal and stones sink to the bottom of the pulp slurry and are removed. The slurry is then spun in a centrifuge to remove any additional heavy material. From the centrifuge the slurry passes through a coarse screen, which removes additional contaminants such as wax or plastic. The slurry passes on to another centrifuge and then short and long fibers are separated using two fine mesh screens and a reverse cleaner. The short fibers are pressed to remove liquids and the SFR is transferred to roll-off containers for disposal.

## **SFR COMBUSTION PROCESS & EQUIPMENT**

The Cedar Bay facility was constructed to support combustion of the SFR in two boilers (Boilers B and C) with a dedicated material handling and conveyance system to transport the SFR to the boilers. A detailed description of the process and equipment is found in our operating procedure, which is attached.

SFR is collected from Smurfit Stone's process in dedicated 30 cubic yard capacity roll-off boxes for disposal. Currently Cedar Bay arranges for these to be transferred to a landfill. The plan is to continue to use this method to collect and deliver the material to Cedar Bay's fiber waste handling system on the western boundary of the Smurfit Stone facility. The roll-off boxes will be transported within Smurfit Stone's property to the location of Cedar Bay's fiber waste handling system. The SFR will be unloaded into a receiving hopper as described in the referenced operating procedure. The receiving hopper is equipped

with a live bottom via drag chain feeder and interfaces with Cedar Bay's distributed control system (DCS). The DCS system allows this system, as well as most of the Cedar Bay plant, to be controlled and monitored from Cedar Bay's Control Room.

SFR will be discharged from the receiving hopper by a variable speed drag conveyor to a 24" wide conveyor belt (SFR conveyor). This conveyor is rated at 16 tons per hour at a belt speed of 75 feet per minute. The conveyor is equipped with skirt boards; hood covers, automatic vertical gravity take-up with grab safety devices, speed switch, and pull cord switches and belt alignment switches.

SFR will be discharged from the SFR conveyor into the SFR surge hopper. The surge hopper is sized for a minimum capacity of 20 cubic yards and is equipped with four variable speed screw conveyors, each with their own speed switch. The surge hopper also has three capacitance type level switches. One switch monitors low level, one switch to monitor high level and one switch for emergency high level. Upon actuation of the high level switch, the DCS system will automatically run the drag chain feeder in the receiving hopper in low speed to prevent overflow of the surge hopper. The feeder will return to high speed when the high level switch is no longer actuated. The emergency high-level switch will stop both conveyor and feeder immediately after actuation.

The SFR feed system will feed the SFR to the loop seal feed points of Boiler C and discharge through air locks (rotary valves) to the coal drag chain conveyors feeding the loop seals. The coal conveyors will introduce the coal/fiber waste mix into the loop seal fuel feed port.

The fiber waste will provide less than 5% of the heat input to C boiler when the feed rate is 150 tons/day and the boiler is at full load.

## SCOPE OF TEST BURN

Operational Feasibility: In order to confirm that co-firing of SFR is feasible without adverse impact to operations the following will be monitored using the dedicated operational performance monitoring software:

- SFR Material Handling & Transport – facility personnel will monitor the performance of the SFR conveyance system described above to identify any operational problems that would interfere with the ability to properly transport and feed the SFR to Boiler C, including continuous monitoring of the following parameters:
  1. Fiber Flow (KLBS/HR)
  2. Fiber Master Demand (%)
- Boiler Operations – facility personnel will monitor boiler performance during the 30-day test burn to determine the impact of SFR combustion on performance and operations. Key parameters that will be continuously monitored are as follows:
  1. Coal flow (KLBS/HR)
  2. Coal Master Demand (%)
  3. Main Steam Flow (KLBS/HR)
  4. Main Steam Temperature (DEG F)
  5. Main Steam Pressure (PSIG)
  6. Reheat Flow (KLBS/HR)
  7. Reheat Temperature (DEG F)
  8. Reheat Pressure (PSIG)
  9. Reheat Attenuator Water Flow (KLBS/HR)
  10. Primary Air Grid Nozzle Flow (KLBS/HR)
  11. Primary Air Temperature (DEG F)
  12. Secondary Air Flow (KLBS/HR)
  13. Secondary Temperature (DEG F)
  14. Bed Temperature (DEG F)



15. Cyclone Outlet Temperature (DEG F)
16. Combustor Lower Temperature (DEG F)
17. Combustor Middle Temperature (DEG F)
18. Combustor Upper Temperature (DEG F)
19. ReheatII Outlet Gas Temperature (DEG F)
20. Economizer Inlet Gas Temperature (DEG F)
21. Economizer Outlet Gas Temperature (DEG F)
22. Primary Air Air Heater Cold End Temperature (DEG F)
23. Secondary Air Air Heater Cold End Temperature (DEG F)

- Ash Handling/Air Pollution Control Equipment – facility personnel will monitor the performance of the ash transport system and emission control equipment to ensure proper operation. Parameters that will be continuously monitored:
  1. Baghouse DP “Average” (PSIG)
  2. Baghouse Inlet Temperature (DEG F)
  3. Opacity (%)
  4. Ammonia Flow (ACFM)

Environmental Compliance: facility personnel will monitor the applicable parameters during the test burn to ensure compliance with all permit conditions:

- The amount of SFR burned will be monitored and recorded to ensure that the 210 cubic yard/day (wet basis) limit is not exceeded.
- CEM Monitoring – the CEM system will be used throughout the 30-day test period to confirm compliance with CO, NOx, SO2, Opacity and heat input limitations.
- Limestone Flow (KLBS/HR)
- Stack Testing for Particulate Matter, Particulate Matter less than 10 microns, Lead, Mercury, and Beryllium will be completed during the 30-day test burn to confirm compliance with these limitations. The tests will be conducted by a qualified test firm.

The following test methods and procedures will be used during the test burn:

Purpose / Substance	Test Method
Selection of sample site and sample traverse	EPA Method 1
Determination of stack gas flow	EPA Method 2
Gas analysis for calculation of percent O2 and CO2	EPA Method 3 or 3A
Determining stack gas moisture content to convert the flow rate from actual standard cubic feet (ascf) to dry standard cubic feet (dscf)	EPA Method 4
PM	EPA Method 5, 17, or 29
PM10	EPA Method 201 or 201A
VE	EPA Method 9
Pb	EPA Method 12 or 29
Hg	EPA Method 101A or 29
Be	EPA Method 104 or 29

## PREREQUISITES

Prior to initiation of the test burn the following will be completed:

This test burn protocol will be submitted at least 90 days prior to the test to the FDEP (Air Regulation, Power Plant Siting & NE Regional office) and RESD, City of Jacksonville.

Arrangements will be made with an outside vendor to conduct stack testing.

The SFR material handling equipment will be confirmed to be in operating condition.

The CEM data acquisition system will be updated with the most recent Btu/lb (heat content) analysis for accurate heat input determinations.

Verify that all desired data points are arranged to be captured in the plant data collection system.

## **TESTING PROCEDURE**

The plant should be operating in a steady state while maintaining as close to the following parameters as possible:

Main steam temp 1000 deg F +/- 10 deg F

Reheat steam temp 1000 deg F +/- 10 deg F

Main steam pressure 2410 +/- 100 psia

Boiler Blowdown in normal operation

Condenser level in auto

Deaerator level in auto

Steam drum level in auto

Plant in stable condition (no plugged fuel feeders etc) with no major maintenance occurring

Bottom ash screw coolers in steady state operation.

The outside emission testing company should have their equipment in place and ready to collect data from the exit ductwork on Boiler C.

At the point the silo level reaches 0% indication on the DCS or the fuel level reaches the pant leg of the silo the blended test fuel can be fed to the fuel silo. Past experience indicates that it will take about 3 hours for the test burn material to reach the boiler.

Normal automatic operations should be maintained. Boiler operation will be at steady state full load operation at least one hour prior to commencing stack test achieving a minimum 704 Klbs/hr steam flow and 956.7 lbs/mmBtu heat input during emission testing.

## **Fiber Reject Operation Procedure (See Attachment A)**

The test burn will proceed in accordance with the operating procedure attached to this protocol.

## **Sampling**

**Fuel – for determination of daily proximate analysis (% moisture,% ash,% volatile,% fixed carbon, % sulfur and BTU/lb determination**

- Coal sampling will continue to be collected via the automatic coal sampler per ASTM D2234.
- Daily Fiber Reject samples will be obtained by daily grab sample at the receiving hopper .

Operations will clearly mark each sample container with the date the sample was collected and an assigned ID number. The samples will be routed to the Procurement Department for proper shipping to Commercial Testing and Engineering.

Ash sample collection should be conducted in conjunction with the fuel samples for metals analysis. Flyash will be collected below the bottom dump gates of the flyash separator while the bottom ash will be off the sample port on the drag chain.

## **SCHEDULE**

August 27<sup>th</sup> – September 25<sup>th</sup> 2002.

## **DATA COLLECTION**

The plant data collection system has been programmed to collect pertinent data points.

## **CALCULATIONS AND REPORT**

To be provided at the conclusion of the test burn



1531 Wyngate Drive DeLand, FL 32724

Phone (386) 943 9241 / Cell (386) 451-0169 / Fax (386) 943 9212

COMPLETE EMISSIONS TESTING SERVICES • PERMITTING ASSISTANCE • CEMS CERTIFICATION • AMBIENT AIR MONITORING

**PG&E  
CEDAR BAY GENERATING COMPANY  
UNIT C**

**PM10, PARTICULATE & METALS  
EMISSIONS TEST REPORT**

**COASTAL AIR CONSULTING, INC.  
REPORT NUMBER 112-003  
SEPTEMBER 30, 2002**

**PM<sub>10</sub>, PARTICULATE, & METALS EMISSIONS TEST REPORT No. 112-003**  
**Unit C - CEDAR BAY PLANT**

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**Commissioned By: PG&E Cedar Bay Generating Company**  
9640 Eastport Road  
Jacksonville, FL 32218

**Prepared By: Coastal Air Consulting, Inc.**  
September 30, 2002

## STATEMENT OF VALIDITY

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All testing activities and results represented herein were conducted and obtained in accordance with the approved, industry standard, EPA protocols listed in CFR 40 Part 60. The contents have been reviewed and verified, to the extent practical, to be valid and accurate representation of the source emissions at the time of testing.

  
Stephen C. Webb  
President

## PROJECT STATISTICS

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Client: PG&E Cedar Bay Generating Company

Facility: Cedar Bay Plant Unit C

Location: 9640 Eastport Road  
Jacksonville, FL 32218

Type of Process Tested: Circulating Fluidized Bed Boiler

Test Protocols Performed: PM/Be/Hg/Pb - EPA Method 29  
PM 10 - EPA Method 201A  
O<sub>2</sub>/CO<sub>2</sub> - EPA Method 3

Testing Firm: Coastal Air Consulting, Inc.  
1531 Wyngate Dr.  
DeLand, FL 32724

Test Personnel: Steve Webb Site Supervisor  
Dwayne Ritchie Technician

Test Date: September 3 & 4, 2002

Client Representative: Jeff Walker

Observers: None

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## 1.0 Introduction

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Coastal Air Consulting, Inc. (Coastal) was contracted by PG&E Cedar Bay Generating Company to perform the test burn emissions testing for pm<sub>10</sub>, particulate and metals at the Cedar Bay Plant Unit C in Jacksonville, Florida.

The sampling program was conducted September 3 & 4, 2002. The testing was performed by Coastal personnel, with the assistance of personnel assigned by Cedar Bay Generating Company. Mr. Jeff Walker coordinated plant operations during the testing.

---

## 2.0 Test Program Summary

---

A summary of test results developed by this source sampling program is presented in TABLES 1, 2 and 3 as follows;

**TABLE 1**  
**Summary of Particulate Emissions**

Source	Average (lb/mmBtu)	Permit (lb/mmBtu)	Average (lb/hr)	Permit (lb/hr)
Unit C	0.003	0.018	2.84	19.1

**TABLE 2**  
**Summary of PM10 Emissions**

Source	Average (lb/mmBtu)	Average (lb/hr)	% Total
Unit C	0.002	2.23	78.5

**TABLE 3**  
**Summary of Metals Emissions**

Source	Pollutant	Average (lb/hr)
Unit C	Beryllium (Be)	<0.000039
Unit C	Lead (Pb)	0.00051
Unit C	Mercury (Hg)	<0.0013

## 3.0 Results of Testing

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Individual test run results are shown in Tables 4 & 5 and are tabulated in Appendix 1. These results indicate that Unit C is in compliance at the time of testing under the test burn operating conditions.

**TABLE 4**  
**COASTAL AIR CONSULTING, INC.**  
**PARTICULATE EMISSION TEST SUMMARY**

CLIENT: PG&E  
 PLANT: Cedar Bay  
 UNIT: Boiler C  
 METHOD: 29

	<u>RUN 1</u>	<u>RUN 2</u>	<u>RUN 3</u>
	9/3/02	9/4/02	9/4/02
DATE OF RUN			
GROSS LOAD (AVG MMBTU/HR)			
START TIME (24-HR CLOCK)	1335	818	1115
END TIME (24-HR CLOCK)	1535	1018	1315
VOL DRY GAS SAMPLED METER COND (DCF)	83.417	90.329	91.081
BAROMETRIC PRESSURE (IN. HG)	29.97	29.95	29.95
AVG ORIFICE PRESSURE DROP (IN. H2O)	1.487	1.932	1.898
AVG GAS METER TEMP (F)	104.1	90.5	102.2
GAS METER CALIBRATION FACTOR	1.0300	1.0300	1.0300
VOL GAS SAMPLED STD COND (DSCF)	80.819	89.720	88.569
TOTAL WATER COLLECTED (G)	195.5	210.7	206.7
VOL WATER COLLECTED STD COND (SCF)	9.22	9.93	9.75
MOISTURE IN STACK GAS (% VOL)	10.24	9.97	9.91
MOLE FRACTION DRY GAS	0.898	0.900	0.901
CO2 VOL PERCENT DRY	13.1	13.2	13.3
O2 VOL PERCENT DRY	6.2	6.1	6.0
N2 VOL PERCENT DRY	80.70	80.70	80.70
MOL. WT. DRY STACK GAS (LB/LB-MOLE)	30.34	30.36	30.37
MOL. WT. WET STACK GAS (LB/LB-MOLE)	29.08	29.12	29.14
ELEV. DIFF. FROM MANOM. TO BAROM. (FT)	0.00	0.00	0.00
STACK GAS STATIC PRESSURE (IN. H2O GAGE)	-23.00	-20.50	-20.00
STACK GAS STATIC PRESSURE (IN. HG ABS.)	28.28	28.44	28.48
AVERAGE SQUARE ROOT VELOCITY HEAD	1.090	1.126	1.124
PITOT TUBE COEFFICIENT	0.84	0.84	0.84
AVG STACK TEMP (F)	332.0	327.3	329.5
STACK GAS VELOCITY STACK COND (FT/SEC)	76.80	78.85	78.70
CROSS SECTION STACK AREA (SQ FT)	95.8	95.8	95.8
STACK GAS FLOW RATE STD COND (DSCFM)	249684.9	260123.4	259443.8
STACK GAS FLOW RATE STACK COND (ACFM)	441484.9	453240.7	452410.2
NET TIME OF RUN (MIN)	120	120	120
NOZZLE DIAMETER (IN)	0.220	0.220	0.220
PERCENT ISOKINETIC	97.94	104.37	103.30
PARTICULATE COLLECTED (MG)	6.8	9.0	5.9
WEIGHTED AVERAGE F FACTOR (DSCF/MILL. BTU)	9780.00	9780.00	9780.00
HEAT INPUT COAL (%)	100.0	100.0	100.0
HEAT INPUT GAS (%)	0.0	0.0	0.0
PARTICULATE EMISSIONS (GRAINS/SCF)	0.0013	0.0015	0.0010
PARTICULATE EMISSIONS (LB/MILL. BTU)	0.003	0.003	0.002
PARTICULATE EMISSIONS (LB/HR)	2.78	3.45	2.29
AVERAGE PARTICULATE EMISSIONS (LB/MMBTU)		<b>0.003</b>	
AVERAGE PARTICULATE EMISSIONS (LB/HR)		<b>2.84</b>	
METALS EMISSION RATE (lb/hr)			
Beryllium	<0.000041	<0.000038	<0.000039
Lead	0.00039	0.00033	0.00081
Mercury	<0.0014	<0.0013	<0.0013
AVERAGE (lb/hr)			
Beryllium		<b>&lt;0.000039</b>	
Lead		<b>0.00051</b>	
Mercury		<b>&lt;0.0013</b>	

NOTE: STANDARD CONDITIONS – 68F, 29.92 in. Hg

**TABLE 5**  
**PM10 SUMMARY**  
**EPA Method 201A**

Client: PG&E  
 Plant: Cedar Bay Plant  
 Location: Boiler C

Run Number:	1	2	3
Date:	9/3/2002	9/4/2002	9/4/2002
Run Time			
Start	13:36	8:25	11:20
End	14:37	9:36	12:31
DN - Nozzle Diameter:	0.164	0.164	0.164
Pbar - Barometric Pressure:	29.97	29.95	29.95
TT - Sampling Time:	70.5	70.5	70.5
VM - Meter Volume:	31.53	29.51	30.36
TM - Avg. Meter Temp (F):	101	89	97
PM - Avg. Delta H (in. of H2O):	0.530	0.530	0.530
Y - Meter Calibration Factor:	1.01	1.01	1.01
VMSTD - Std. Gas Volume (SCF):	28.414	27.339	27.752
Vlc - Volume Water Collected:	66.4	60.5	65.7
%M - Percent Moisture:	9.9	9.4	10.0
Bws - Mole Fraction, Dry:	0.099	0.094	0.100
%CO2 - Carbon Dioxide, Dry:	13.1	13.2	13.3
%O2 - Oxygen, Dry:	6.2	6.1	6.0
MD - Dry Molecular Weight:	30.34	30.36	30.37
MS - Wet Molecular Weight:	29.12	29.19	29.13
A - Stack Area, SQ.FT:	95.83	95.83	95.83
PS - Static Press. (in. of H2O):	28.28	28.44	28.48
TS - Stack Temp. (F):	331	326	330
CP - Pitot Coefficient:	0.84	0.84	0.84
VS - Stack Gas Velocity (AFPS):	76.3	75.7	75.9
QS - Stack Gas Volume (DSCFM):	250,161	252,924	250,754
QA - Stack Gas Volume (ACFM):	440,071	437,143	438,321
%I - Isokinetic Ratio:	105.0	99.9	102.3
Particulate Emissions:			
Weight (mg):	1.9	2.0	1.7
Concentration (gr/dscf):	0.001	0.001	0.001
Rate (lb/mmBtu):	0.002	0.002	0.002
Rate (lb/hr):	2.2	2.4	2.0
		<b>Average lb/mmBtu 0.002</b>	
		<b>Average lb/hr 2.226</b>	

## 4.0 Description of Source

---

Cedar Bay Generating Company's Unit C is a coal fired circulating fluidized bed steam generating boiler. The boiler supplies steam for power production and process steam for the Stone Container paper mill.

The boiler is equipped with ammonia injection for control of NO<sub>x</sub> emissions and a bag house for control of particulate emissions. The SO<sub>2</sub> emissions are controlled by limestone in the fluidized bed.

The flue gas is exhausted through the Units A, B and C common stack. A schematic of the process and stack sampling location is included in Appendix 3 "Figures".

## 5.0 Sampling Procedures

---

EPA testing protocols utilized during this test program include the following;

EPA Method 1	Sample and Velocity Traverse for Stationary Sources
EPA Method 2	Determination of Stack Gas Velocity and Volumetric Flow Rate
EPA Method 3	Gas Analysis for CO <sub>2</sub> , O <sub>2</sub> , Excess Air and Dry Molecular Weight
EPA Method 4	Determination of Moisture Content in Stack Gas
EPA Method 17	Determination of Particulate Emissions from Stationary Sources
EPA Method 29	Determination of Metals Emissions From Stationary Sources
EPA Method 201A	Determination of PM <sub>10</sub> Emissions From Stationary Sources

The test runs were conducted in triplicate for all parameters with each PM<sub>10</sub> run being at least 60 minutes in duration and each PM & Metals run being at least 120 minutes in duration.

## 6.0 Operating Conditions

---

The unit was operating at approximately 240 MW with an average heat input rate of approximately 1025 MMBtu/hr while injecting fiber at a flow rate of 3 kbs/hr.

Cedar Bay personnel monitored operating conditions throughout the duration of the sampling program. The daily operations report is included in Appendix 2 "Plant Data".

## 7.0 Quality Assurance Procedures

---

Quality assurance procedures followed during these activities were applied and consistent with the requirements outlined by the EPA Methods referenced in CFR 40 Part 60.

All components of the Method 29 sample train consisted of either Borosilicate Glass or Teflon.

**APPENDIX 1  
REFERENCE DATA**

### PARTICULATE TEST FIELD DATA SHEET

Client: PG&E  
 Plant & Unit: Cedar Bay C  
  
 Method: 29  
 Run Number: 1  
 Date: 9/3/02  
 Sample Location: C Duct  
 Operators: SCW

Reference: 1.44  
 Bar. Pressure (in.Hg): 29.97  
 Static Pressure (H2O): -23.0  
 Meter Box #: CAC2  
 Ini. Pitot Leak Check: OK @ 5"  
 Fin. Pitot Leak Check: OK @ 5"  
 Ini. Leak Rate:0.00@ 15 "  
 Fin. Leak Rate:0.00@ 9 "

Filter #: Q1  
 Nozzle #: CAC2  
 Nozzle Dia.(in): 0.22  
 ^H@ 1.912 Yi 1.0300  
 Pitot # CAC2 0.84  
 Thermocouple # 10  
 Impinger Set: A  
 Sample Head: A

POINT #	CLOCK TIME	SAMPLE TIME	DRY GAS VOLUME	VELOCITY	ORIFICE	AVG METER		STACK	IMPINGER		
				HEAD (in H2O)	"H (in H2O)	TEMP (F) IN	TEMP (F) OUT	TEMP (F)	VAC. (IN.HG)	TEMP (F)	
			981.396								
A-1	1335	5	983.8	0.55	0.68	100	100	328	5.0	66	
2		10	986.9	0.97	1.21	100	100	332	6.0	65	
3		15	989.8	0.75	0.94	100	100	332	5.0	65	
4		20	992.200	0.70	0.86	100	100	332	5.0	63	
B-1		25	996.4	1.10	1.35	102	102	332	7.0	63	
2		30	998.7	1.20	1.50	103	103	332	7.0	62	
3		35	100.3	1.30	1.60	103	103	332	7.0	61	
4		40	1006.900	1.30	1.60	104	104	332	7.0	60	
C-1		45	1011.6	1.40	1.75	103	103	333	7.0	60	
2		50	1014.9	1.30	1.60	104	104	332	7.0	60	
3		55	1018.4	1.30	1.60	104	104	332	7.0	60	
4		60	1022.000	1.20	1.50	105	105	334	7.0	60	
D-1		65	1025.9	1.30	1.60	106	106	331	7.0	60	
2		70	1029.5	1.30	1.60	105	105	332	7.0	60	
3		75	1033.4	1.60	1.95	105	105	332	8.0	62	
4		80	1037.200	1.50	1.85	106	106	333	8.0	63	
E-1		85	1041.0	1.30	1.60	106	106	331	7.0	62	
2		90	1044.9	1.50	1.85	107	107	332	7.0	62	
3		95	1048.8	1.60	1.95	107	107	333	8.0	62	
4		100	1052.600	1.70	2.10	107	107	333	8.0	64	
F-1		105	1055.2	1.00	1.22	106	106	332	6.0	65	
2		110	1058.4	1.10	1.35	106	106	332	6.0	65	
3		115	1061.2	0.98	1.20	105	105	332	6.0	65	
4	1535	120	1064.813	1.00	1.22	104	104	332	6.0	66	
			83.417	1.090	1.487	104.1	104.1	332.0			
							104.08				

**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C

RUN 1

DATE: 9/3/02

**METHOD 4 MOISTURE DETERMINATION**

<b>IMPG SET:</b>	A						
	<b>IMPG.#1</b>	<b>IMPG.#2</b>	<b>IMPG.#3</b>	<b>IMPG.#4</b>	<b>IMPG.#5</b>	<b>IMPG.#6</b>	<b>WT. BY</b>
FINAL WT.	860.8	718.3	592.9	716.2	721.9	820	SCW
INITIAL WT.	716.9	696.2	589.2	713.8	719.1	799.4	SCW
NET WT.	143.9	22.1	3.7	2.4	2.8	20.6	SCW
<b>TOTAL WT.</b>	195.5	note: all weights in grams					

**PARTICULATE FILTER CATCH**

<b>FILTER #</b>	Q1	BY	<b>BEAKER #</b>	1	BY
FINAL WT.	1.7973	SCW	FINAL WT.	72.9396	SCW
INITIAL WT.	1.7929	SCW	INITIAL WT.	72.9372	SCW
NET WT.	0.0044	SCW	NET WT.	0.0024	SCW
<b>TOTAL CATCH (grams)</b>			0.0068		
<b>TOTAL CATCH (mg)</b>			6.8		

**DRY MOLECULAR WEIGHT**

<b>GAS</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVG</b>	<b>Fo: 1.122</b>
CO2	13.1	13.1	13.1	13.1	<b>ALLOWED Fo RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O2+CO2	19.3	19.3	19.3	—	
O2	6.2	6.2	6.2	6.2	

**4 MINUTE ORSAT ANALYZER CHECK**

	<b>BEFORE</b>	<b>AFTER</b>	
BURETTE MENISCUS READING:	15	15	<0.2 ? YES
CO2 CAPILLARY TUBE LEVEL:	OK	OK	
O2 CAPILLARY TUBE LEVEL:	OK	OK	

## PARTICULATE TEST FIELD DATA SHEET

Client: PG&E  
Plant & Unit: Cedar Bay C

Method: 29  
Run Number: 2  
Date: 9/4/02  
Sample Location: C Duct  
Operators: SCW

Reference: 1.48  
Bar. Pressure (in.Hg): 29.95  
Static Pressure (H2O): -20.5  
Meter Box #: CAC2  
Ini. Pitot Leak Check: OK @ 4"  
Fin. Pitot Leak Check: OK @ 5"  
Ini. Leak Rate: 0.00 @ 15 "  
Fin. Leak Rate: 0.00 @ 11 "

Filter #: Q2  
Nozzle #: CAC2  
Nozzle Diam.(in): 0.22  
^H@ 1.912 Yi 1.0300  
Pitot # CAC2 0.84  
Thermocouple # 10  
Impinger Set: B  
Sample Head: A

POINT #	CLOCK TIME	SAMPLE TIME	DRY GAS VOLUME	VELOCITY	ORIFICE	AVG METER		STACK	VAC. (IN.HG)	IMPINGER
				HEAD (in H2O)	^H (in H2O)	TEMP (F) IN	TEMP (F) OUT	TEMP (F)		TEMP (F)
			66.896							
A-1	818	5	66.9	0.60	0.90	83	83	325	5.0	65
2		10	72.8	0.85	1.25	83	83	325	6.0	65
3		15	76.2	0.95	1.40	84	84	325	7.0	64
4		20	79.200	0.80	1.18	85	85	325	6.0	64
B-1		25	82.1	1.00	1.48	86	86	326	7.0	64
2		30	85.4	1.00	1.48	87	87	328	7.0	63
3		35	89.1	1.20	1.88	88	88	327	7.0	63
4		40	92.825	1.30	1.92	89	89	327	7.0	62
C-1		45	96.9	1.50	2.22	90	90	328	9.0	62
2		50	100.9	1.40	2.10	91	91	327	9.0	63
3		55	105.0	1.50	2.22	91	91	329	9.0	62
4		60	108.822	1.50	2.22	92	92	328	9.0	63
D-1		65	112.9	1.60	2.35	93	93	329	9.0	63
2		70	117.1	1.60	2.35	93	93	329	9.0	62
3		75	121.1	1.50	2.22	93	93	328	9.0	61
4		80	125.352	1.30	1.92	93	93	328	8.0	60
E-1		85	129.8	1.50	2.22	92	92	328	8.0	59
2		90	133.6	1.70	2.50	91	91	327	10.0	60
3		95	138.0	1.70	2.50	91	91	327	10.0	60
4		100	142.448	1.50	2.22	92	92	328	9.0	61
F-1		105	146.3	1.40	2.10	94	94	328	9.0	61
2		110	150.3	1.30	1.92	95	95	328	8.0	62
3		115	154.0	1.20	1.88	97	97	328	8.0	63
4	1018	120	157.225	1.00	1.48	98	98	328	7.0	63

90.329	1.126	1.932	90.5	90.5	327.3
				90.46	



**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C

RUN 2

DATE: 9/3/02

**METHOD 4 MOISTURE DETERMINATION**

<b>IMPG SET:</b>	B						
	<b>IMPG.#1</b>	<b>IMPG.#2</b>	<b>IMPG.#3</b>	<b>IMPG.#4</b>	<b>IMPG.#5</b>	<b>IMPG.#6</b>	<b>WT. BY</b>
FINAL WT.	885.1	698.3	597.5	702.9	718.6	839.2	SCW
INITIAL WT.	712.0	684.0	594.8	702.9	717.2	820	SCW
NET WT.	173.1	14.3	2.7	0.0	1.4	19.2	SCW
<b>TOTAL WT.</b>	<b>210.7</b>	note: all weights in grams					

**PARTICULATE FILTER CATCH**

<b>FILTER #</b>	<b>Q2</b>	<b>BY</b>	<b>BEAKER #</b>	<b>2</b>	<b>BY</b>
FINAL WT.	1.8532	SCW	FINAL WT.	73.0556	SCW
INITIAL WT.	1.8463	SCW	INITIAL WT.	73.0535	SCW
NET WT.	0.0069	SCW	NET WT.	0.0021	SCW
	<b>TOTAL CATCH (grams)</b>		<b>0.0090</b>		
	<b>TOTAL CATCH (mg)</b>		<b>9</b>		

**DRY MOLECULAR WEIGHT**

<b>GAS</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVG</b>	<b>Fo: 1.121</b>
CO2	13.2	13.2	13.2	13.2	<b>ALLOWED Fo RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O2+CO2	19.3	19.3	19.3	—	
O2	6.1	6.1	6.1	6.1	

**4 MINUTE ORSAT ANALYZER CHECK**

	<b>BEFORE</b>	<b>AFTER</b>	
<b>BURETTE MENISCUS READING:</b>	15	15	<0.2 ? YES
<b>CO2 CAPILLARY TUBE LEVEL:</b>	OK	OK	
<b>O2 CAPILLARY TUBE LEVEL:</b>	OK	OK	

## PARTICULATE TEST FIELD DATA SHEET

Client: PG&E  
 Plant & Unit: Cedar Bay C  
 Method: 29  
 Run Number: 3  
 Date: 9/4/02  
 Sample Location: C Duct  
 Operators: SCW

Reference: 1.45  
 Bar. Pressure (in.Hg): 29.95  
 Static Pressure (H2O): -20.0  
 Meter Box #: CAC2  
 Ini. Pitot Leak Check: OK @ 5"  
 Fin. Pitot Leak Check: OK @ 4"  
 Ini. Leak Rate: 0.00@ 15 "  
 Fin. Leak Rate: 0.00@ 10 "

Filter #: Q3  
 Nozzle #: CAC3  
 Nozzle Diam.(in): 0.22  
 ^H@ 1.912 Yi 1.0300  
 Pitot # CAC2 0.84  
 Thermocouple # 10  
 Impinger Set: C  
 Sample Head: A

POINT #	CLOCK TIME	SAMPLE TIME	DRY GAS VOLUME	VELOCITY	ORIFICE	AVG METER		STACK	IMPINGER	
				HEAD (in H2O)	"H (in H2O)	TEMP (F) IN	TEMP (F) OUT	TEMP (F)	VAC. (IN.HG)	TEMP (F)
			158.144							
A-1	1115	5	160.9	0.75	1.10	98	98	330	6.0	66
2		10	164.1	0.75	1.10	98	98	330	6.0	66
3		15	167.2	0.88	1.30	99	99	330	6.0	65
4		20	170.583	0.90	1.35	98	98	330	6.0	64
B-1		25	171.1	1.30	1.90	99	99	330	8.0	64
2		30	177.7	1.20	1.78	99	99	331	8.0	64
3		35	181.7	1.30	1.90	100	100	331	8.0	64
4		40	185.600	1.30	1.90	100	100	331	8.0	65
C-1		45	189.5	1.20	1.78	101	101	331	8.0	65
2		50	193.3	1.40	2.10	101	101	331	9.0	65
3		55	197.3	1.50	2.22	102	102	331	9.0	65
4		60	200.985	1.20	1.78	102	102	331	8.0	65
D-1		65	204.9	1.40	2.10	103	103	330	9.0	65
2		70	209.1	1.30	1.90	104	104	330	9.0	65
3		75	212.5	1.30	1.90	105	105	330	9.0	65
4		80	215.918	1.30	1.90	105	105	330	9.0	65
E-1		85	219.9	1.50	2.22	104	104	330	9.0	64
2		90	224.0	1.50	2.22	104	104	328	9.0	64
3		95	228.1	1.40	2.10	104	104	327	9.0	64
4		100	232.052	1.40	2.10	104	104	327	9.0	62
F-1		105	235.9	1.50	2.35	105	105	327	9.0	61
2		110	240.5	1.50	2.35	106	106	327	9.0	60
3		115	244.9	1.40	2.10	106	106	327	9.0	60
4	1315	120	249.225	1.40	2.10	106	106	327	9.0	60

91.081	1.124	1.898	102.2	102.2	329.5
				102.21	

**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C

RUN 3

DATE: 9/4/02

**METHOD 4 MOISTURE DETERMINATION**

<b>IMPG SET:</b>	C						
	<b>IMPG.#1</b>	<b>IMPG.#2</b>	<b>IMPG.#3</b>	<b>IMPG.#4</b>	<b>IMPG.#5</b>	<b>IMPG.#6</b>	<b>WT. BY</b>
FINAL WT.	858.5	700.8	523.3	624.8	696.2	904.9	SCW
INITIAL WT.	697.5	681.2	519.7	624.0	695.7	883.7	SCW
NET WT.	161.0	19.6	3.6	0.8	0.5	21.2	SCW
<b>TOTAL WT.</b>	<b>206.7</b>	note: all weights in grams					

**PARTICULATE FILTER CATCH**

<b>FILTER #</b>	Q3	<b>BY</b>	<b>BEAKER #</b>	3	<b>BY</b>
FINAL WT.	1.8492	SCW	FINAL WT.	73.2779	SCW
INITIAL WT.	1.8451	SCW	INITIAL WT.	73.2761	SCW
NET WT.	0.0041	SCW	NET WT.	0.0018	SCW
TOTAL CATCH (grams)			0.0059		
TOTAL CATCH (mg)			5.9		

**DRY MOLECULAR WEIGHT**

<b>GAS</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVG</b>	<b>Fo: 1.120</b>
CO2	13.3	13.3	13.3	13.3	<b>ALLOWED Fo RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O2+CO2	19.3	19.3	19.3	——	
O2	6.0	6.0	6.0	6.0	

**4 MINUTE ORSAT ANALYZER CHECK**

	<b>BEFORE</b>	<b>AFTER</b>	
<b>BURETTE MENISCUS READING:</b>	15	15	<0.2 ? YES
<b>CO2 CAPILLARY TUBE LEVEL:</b>	OK	OK	
<b>O2 CAPILLARY TUBE LEVEL:</b>	OK	OK	



**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C  
 DATE: 3/14/02

RUN 1  
 PM<sub>10</sub>

**METHOD 4 MOISTURE DETERMINATION**

IMPG SET	D					
	IMPG.#1	IMPG.#2	IMPG.#3	IMPG.#4	WT. BY	
FINAL WT.	737.1	697.2	582.0	928.3	SCW	
INITIAL WT.	689.4	692.3	578.2	918.3	SCW	
NET WT.	47.7	4.9	3.8	10.0	SCW	
TOTAL WT.	66.4	note: all weights in grams				

**PARTICULATE FILTER CATCH**

FILTER #	542	BY	BEAKER #	4	BY
FINAL WT.	0.1126	SCW	FINAL WT.	72.5479	SCW
INITIAL WT.	0.1118	SCW	INITIAL WT.	72.5468	SCW
NET WT.	0.0008	SCW	NET WT.	0.0011	SCW
TOTAL CATCH (grams)			0.0019		
TOTAL CATCH (mg)			1.9		

**DRY MOLECULAR WEIGHT**

GAS	1	2	3	AVG	Fo: 1.122
CO2	13.1	13.1	13.1	13.1	<b>ALLOWED Fo RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O2+CO2	19.3	19.3	19.3	---	
O2	6.2	6.2	6.2	6.2	

**4 MINUTE ORSAT ANALYZER CHECK**

	BEFORE	AFTER	
BURETTE MENISCUS READING:	15	15	<0.2 ? YES
CO2 CAPILLARY TUBE LEVEL:	OK	OK	
O2 CAPILLARY TUBE LEVEL:	OK	OK	



**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C  
 DATE: 3/14/02

RUN 2  
 PM<sub>10</sub>

**METHOD 4 MOISTURE DETERMINATION**

IMPG SET	D				
	IMPG.#1	IMPG.#2	IMPG.#3	IMPG.#4	WT. BY
FINAL WT.	755.2	699.1	583.1	934.6	SCW
INITIAL WT.	707.1	694.1	582.0	928.3	SCW
NET WT.	48.1	5.0	1.1	6.3	SCW
TOTAL WT.	60.5	note: all weights in grams			

**PARTICULATE FILTER CATCH**

FILTER #	541	BY	BEAKER #	5	BY
FINAL WT.	0.1129	SCW	FINAL WT.	72.3220	SCW
INITIAL WT.	0.1119	SCW	INITIAL WT.	72.3210	SCW
NET WT.	0.0010	SCW	NET WT.	0.0010	SCW
TOTAL CATCH (grams)			0.0020		
TOTAL CATCH (mg)			2.0		

**DRY MOLECULAR WEIGHT**

<b>GAS</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVG</b>	<b>Fo:</b> 1.121
CO <sub>2</sub>	13.2	13.2	13.2	13.2	<b>ALLOWED F<sub>o</sub> RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O <sub>2</sub> +CO <sub>2</sub>	19.3	19.3	19.3	—	
O <sub>2</sub>	6.1	6.1	6.1	6.1	

**4 MINUTE ORSAT ANALYZER CHECK**

	<b>BEFORE</b>	<b>AFTER</b>	
BURETTE MENISCUS READING:	15	15	<0.2 ? YES
CO <sub>2</sub> CAPILLARY TUBE LEVEL:	OK	OK	
O <sub>2</sub> CAPILLARY TUBE LEVEL:	OK	OK	

Coastal Air Consulting, Inc.  
Isokinetic Sampling Analysis

Client: PG&E  
Plant: CedarBay  
Unit Tested: C Boiler  
Sampling Location: Duct

Test: PM10 - Method 201A  
Date: 9/4/2002  
Start: 11:20  
End: 12:31

Run No: 3  
Nozzle Diameter: 0.164 Dn  
Barometric Pressure: 29.95 Pb  
Gas Meter Y-Factor: 1.01 Yi  
Pitot Coefficient: 0.84 Cp

Stack Diameter: 126.6X109 in  
Stack Area: 13,799.4 As  
Volume of Moisture: 65.7 VW

SAMPLE POINT	DWELL TIME	GAS METER	VELOCITY HEAD	STACK TEMP F	METER IN F	TEMPERATURE OUT F	PM ORIFICE	CO2	O2	STATIC PRESSURE	VEL
4.6	2	467.538	0.70	330	90	90	0.53	13.3	6.0		3,518
7.0	3	468.84	0.75	330	91	91	0.53			-20.0	3,642
9.5	4	470.0	0.75	330	92	92	0.53				3,880
5.8	2	471.02	0.85	331	93	93	0.53				4,411
8.9	3	472.270	1.10	330	93	93	0.53				4,607
12.0	4	473.4	1.20	330	95	95	0.53				4,795
6.3	2	474.6	1.30	330	95	95	0.53				4,792
9.4	3	475.7	1.30	329	96	96	0.53				4,973
12.6	4	477.060	1.40	329	96	96	0.53				4,795
6.4	2	478.26	1.30	330	96	96	0.53				4,798
9.6	3	479.6	1.30	331	97	97	0.53				4,976
12.9	4	480.78	1.40	330	97	97	0.53				4,976
6.4	2	482.200	1.40	330	98	98	0.53				4,979
9.6	3	483.6	1.40	330	98	98	0.53				5,154
12.8	4	484.76	1.40	331	98	98	0.53				4,795
6.4	2	486.18	1.50	331	98	98	0.53				5,150
9.6	3	487.490	1.30	330	99	99	0.53				4,979
12.8	4	488.78	1.50	330	99	99	0.53				4,979
5.4	2	490.1	1.40	331	99	99	0.53				4,208
8.0	3	491.2	1.40	331	100	100	0.53				4,208
10.7	4	492.560	1.00	331	101	101	0.53				4,036
		493.81	1.00	331	101	101	0.53				4,101
		495.1	0.92	331	101	101	0.53				
		496.42	0.95	331	101	101	0.53				
		497.901									

RESULTS	TT	VM	SQRT PIT	TS	TM	PM	CO2	O2	Pst	VEL
	70.5	30.363	1.083	330	97	0.530	13.3	6.0	-20.00	4,557
	net	net	avg	avg	avg	avg	avg	avg	avg	avg

PS= 28.48 VMSTD= 27.752 VWGAS= 3.094 %M= 10.0 Bws= 0.100  
MD= 0.90 MWD= 30.37 MW= 29.13 PS= 28.48

STACK GAS VELOCITY = 75.9 AFPS  
STACK GAS VELOCITY = 4,557 AFPM  
STACK GAS VOLUME = 250,754 DSCFM  
STACK GAS VOLUME = 438,321 ACFM  
ISOKINETIC RATIO = 102.3 %

EMISSIONS  
PM10  
CYCLONE FLOW RATE = 0.69 CFM  
GAS VISCOSITY = 232.89 micropoise  
CYCLONE CUT SIZE (D50) = 9.61 um  
WEIGHT,mg = 1.7  
GR/DSCF = 0.001  
LBS/MMBTU = 0.002  
LBS/HR = 2.0



**MOISTURE, PARTICULATE CATCH AND DRY MOLECULAR WEIGHT DATA**

PLANT: Cedar Bay Boiler C  
 DATE: 3/14/02

RUN 3  
 PM<sub>10</sub>

**METHOD 4 MOISTURE DETERMINATION**

IMPG SET	D				
	IMPG.#1	IMPG.#2	IMPG.#3	IMPG.#4	WT. BY
FINAL WT.	800.0	708.3	586.8	942.6	SCW
INITIAL WT.	755.2	699.1	583.1	934.6	SCW
NET WT.	44.8	9.2	3.7	8.0	SCW
TOTAL WT.	65.7	note: all weights in grams			

**PARTICULATE FILTER CATCH**

<b>FILTER #</b>	547	<b>BY</b>	<b>BEAKER #</b>	6	<b>BY</b>
FINAL WT.	0.1113	SCW	FINAL WT.	72.5302	SCW
INITIAL WT.	0.1101	SCW	INITIAL WT.	72.5297	SCW
NET WT.	0.0012	SCW	NET WT.	0.0005	SCW
TOTAL CATCH (grams)			0.0017		
TOTAL CATCH (mg)			1.7		

**DRY MOLECULAR WEIGHT**

<b>GAS</b>	1	2	3	<b>AVG</b>	<b>Fo:</b> 1.120
CO <sub>2</sub>	13.3	13.3	13.3	13.3	<b>ALLOWED Fo RANGE</b> OIL: 1.210 TO 1.370 COAL: 1.083 TO 1.230
O <sub>2</sub> +CO <sub>2</sub>	19.3	19.3	19.3	—	
O <sub>2</sub>	6.0	6.0	6.0	6.0	

**4 MINUTE ORSAT ANALYZER CHECK**

	<b>BEFORE</b>	<b>AFTER</b>	
BURETTE MENISCUS READING:	15	15	<0.2 ? YES
CO <sub>2</sub> CAPILLARY TUBE LEVEL:	OK	OK	
O <sub>2</sub> CAPILLARY TUBE LEVEL:	OK	OK	

APPENDIX 2  
PLANT DATA

Cedar Bay Generating  
 Jacksonville, FLA  
 Boiler 1-C Daily Operations Report  
 September 3, 2002

Operational Limits										
		Oil Heat Input - 380 mmBtu/hr Total Heat Input - 1169 mmBtu/hr				SO2 Reduction - 80%				
Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	84.4	749.0	12.7	Down	1074.2	250.2	1.383	90.3
01	Down	3.00	84.1	748.0	6.8	Down	1070.4	250.1	1.383	89.4
02	Down	3.00	84.0	745.0	8.3	Down	1069.2	250.3	1.383	86.0
03	Down	3.00	84.0	746.0	12.1	Down	1069.2	250.2	1.383	88.1
04	Down	3.00	84.0	742.0	5.9	Down	1069.2	250.6	1.383	92.6
05	Down	3.00	84.0	744.0	4.8	Down	1069.2	249.9	1.383	87.1
06	Down	3.00	84.5	742.0	6.6	Down	1075.5	249.7	1.383	86.1
07	Down	3.00	85.7	750.0	7.4	Down	1090.8	250.4	1.383	85.0
08	Down	3.00	85.8	744.0	12.1	Down	1092.1	250.2	1.383	82.3
09	Down	3.00	85.5	747.0	10.6	Down	1088.2	250.5	1.383	90.8
10	Down	3.00	85.5	753.0	8.6	Down	1088.2	250.5	1.383	85.6
11	Down	3.00	86.9	767.0	13.6	Down	1106.1	254.6	1.383	83.0
12	Down	3.00	86.4	771.0	16.1	Down	1099.7	255.8	1.383	85.4
13	Down	3.00	86.4	773.0	10.2	Down	1036.8	256.1	1.833	92.7
14	Down	3.00	86.4	774.0	8.5	Down	1036.8	255.7	1.833	90.0
15	Down	3.00	86.4	766.0	10.3	Down	1036.8	246.3	1.833	88.9
16	Down	3.00	82.3	708.0	11.5	Down	987.6	234.8	1.833	86.9
17	Down	3.00	77.9	664.0	16.4	Down	934.8	235.5	1.833	90.3
18	Down	3.00	77.8	672.0	16.3	Down	933.6	237.9	1.833	94.9
19	Down	3.00	77.9	675.0	9.5	Down	934.8	240.0	1.833	97.8
20	Down	3.00	77.8	688.0	4.0	Down	933.6	243.5	1.833	98.9
21	Down	3.00	77.8	686.0	4.0	Down	933.6	237.8	1.833	99.1
22	Down	3.00	79.3	693.0	4.0	Down	951.6	238.7	1.833	97.3
23	Down	3.00	81.3	714.0	4.0	Down	975.6	241.6	1.833	93.4
Average	Down	3.0	83.3	731.7	9.3	Down	1031.6	247.1	1.589	90.1
Total	Down	72.0	1996.1	16154.0	216.3	Down	24757.6	5931.0		88.0
30-Day Rig Avg										

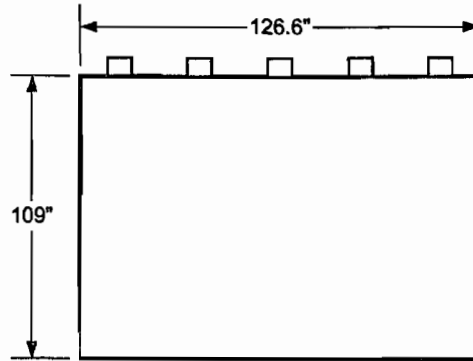
**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 4, 2002

Hour	Oil Flow gallons	Operational Limits				Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
		Fiber Flow kbs	Coal Flow kbs	Steam Flow kbs	Limestone kbs					
			Oil Heat Input - 380 mmBtu/hr Total Heat Input - 1169 mmBtu/hr						SO2 Reduction - 80%	
00	Down	Down	82.0	721	4.83	Down	1036.2	230.7	1.345	82.9
01	Down	Down	82.0	716	12.25	Down	1036.2	233.8	1.345	87.1
02	Down	Down	76.4	677	7.02	Down	965.4	217.4	1.345	93.7
03	Down	Down	71.0	612	4.00	Down	897.2	185.5	1.345	98.4
04	Down	Down	78.7	680	7.08	Down	994.5	213.4	1.345	86.2
05	Down	Down	82.6	721	13.62	Down	1043.7	227.3	1.345	89.1
06	Down	Down	84.0	744	12.02	Down	1061.4	235.7	1.345	87.7
07	Down	Down	84.0	752	16.02	Down	1061.4	241.5	1.345	88.0
08	Down	3.00	84.0	756	10.94	Down	1061.4	231.2	1.345	91.3
09	Down	2.46	84.4	757	7.44	Down	1071.5	231.5	1.340	86.2
10	Down	3.00	84.9	754	15.96	Down	1078.9	230.6	1.338	86.8
11	Down	3.00	84.9	757	14.91	Down	1078.9	236.2	1.338	86.4
12	Down	3.00	84.5	761	11.58	Down	1073.8	238.2	1.338	89.5
13	Down	3.00	82.4	750	5.52	Down	994.9	235.3	1.823	95.2
14	Down	3.00	84.6	763	12.65	Down	1021.3	244.1	1.823	87.6
15	Down	3.00	84.9	771	14.98	Down	1024.9	246.6	1.823	90.2
16	Down	3.00	84.9	775	16.05	Down	1024.9	250.0	1.823	86.7
17	Down	3.00	84.9	773	16.16	Down	1024.9	251.6	1.823	88.9
18	Down	3.00	84.6	778	16.13	Down	1021.3	252.7	1.823	81.8
19	Down	3.00	83.2	770	14.26	Down	1004.5	252.6	1.823	90.3
20	Down	3.00	82.4	764	6.38	Down	994.9	249.9	1.823	94.7
21	Down	3.00	80.4	747	4.00	Down	970.9	244.2	1.822	95.0
22	Down	3.00	78.1	719	4.00	Down	943.3	235.3	1.822	94.2
23	Down	3.00	78.1	715	4.00	Down	943.3	234.8	1.822	94.1
Average	Down	2.96	82.2	739	10.49	Down	1017.9	235	1.563	90
Total	Down	47.46	1971.9	17733	251.80	Down	24429.6	5650		88.0
30-Day Rlg Avg										

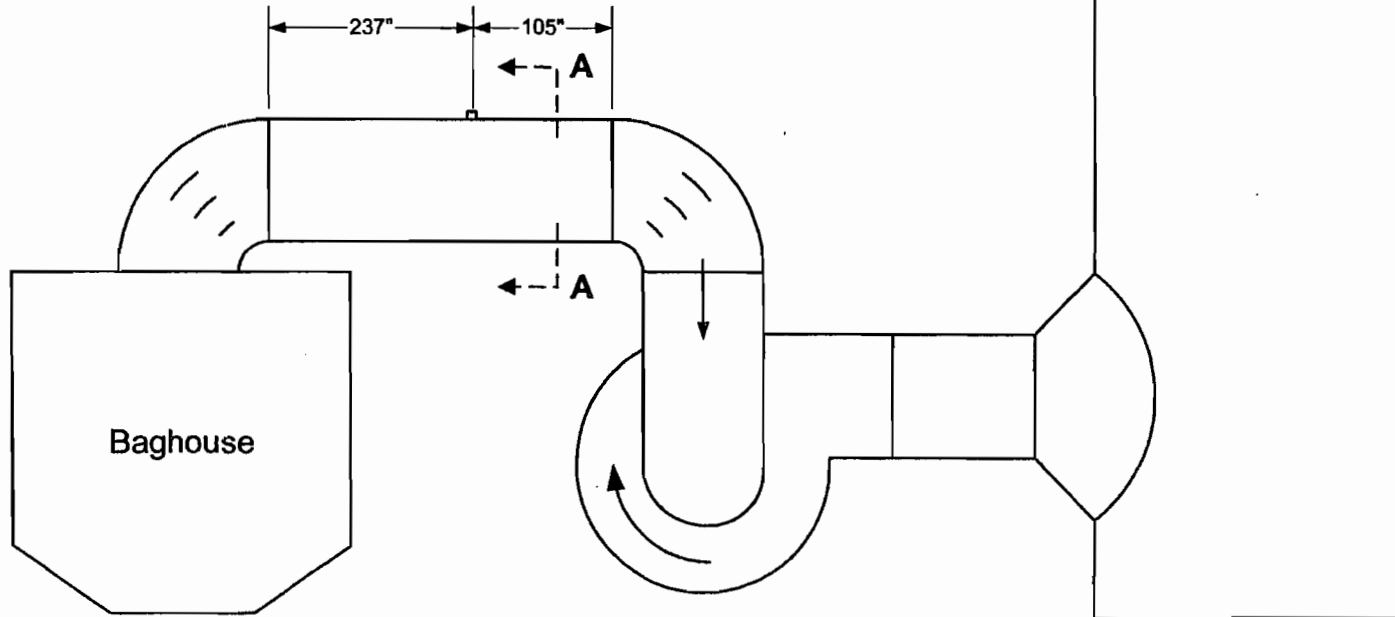
**APPENDIX 3  
FIGURES**

**TRAVERSE POINTS**

- 1. 13.63"
- 2. 40.86"
- 3. 68.13"
- 4. 95.38"

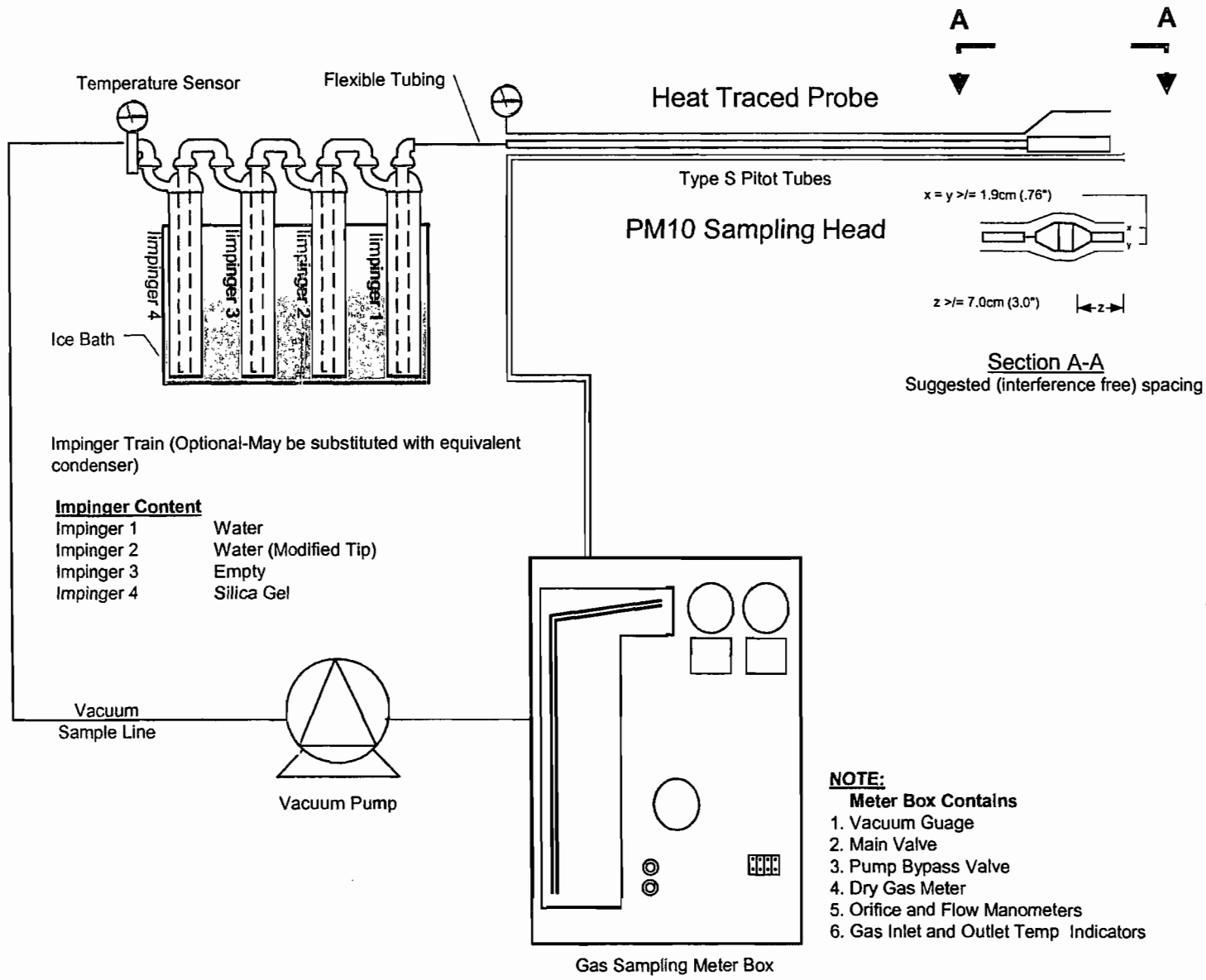


**Section A-A**



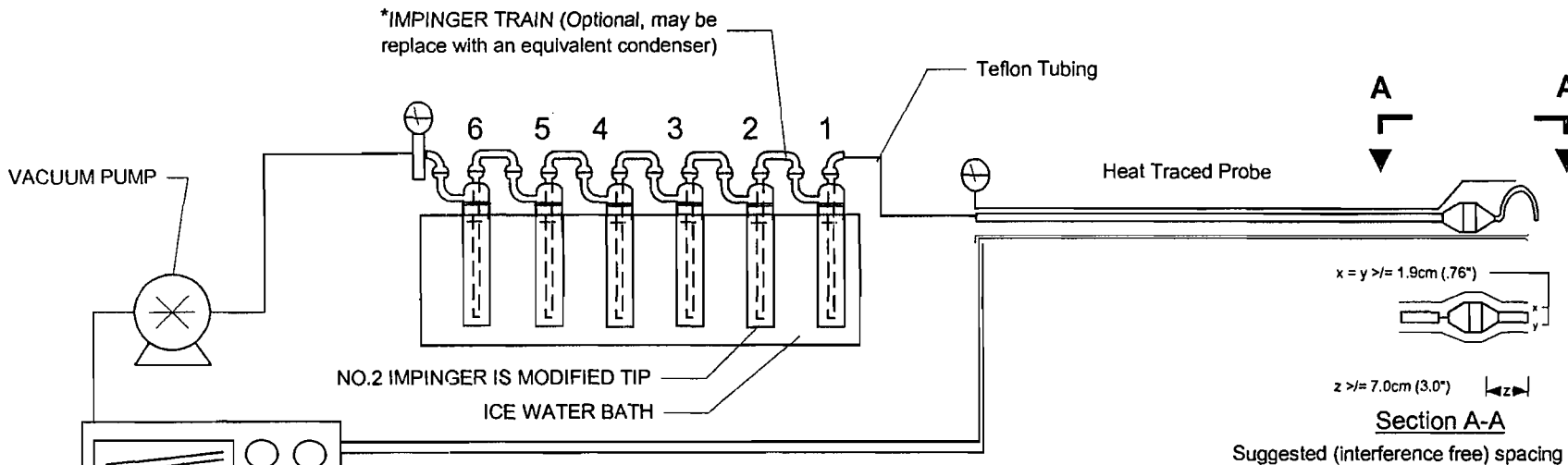
**Coastal Air Consulting, Inc**  
 1531 Wyngate Drive, Deland FL  
 (386) 943-9241 Fax (386) 943 9212

DRAWN BY R F Cobb	TITLE PG&E Cedar Bay Plant
	DESCRIPTION Boiler A, B, & C Test Arrangement
DATE 4/12/02	SCALE NONE



**Coastal Air Consulting, Inc**  
 1531 Wyngate Drive, Deland FL  
 (386) 943-9241 Fax (386) 943-9212

DRAWN BY R F Cobb	TITLE EPA Method 210A Sample Train	SCALE NONE
	DESCRIPTION PM10	
DATE 4/12/02		



**NOTE:**

METER BOX CONTAINS:

1. VACUUM GAUGE
2. MAIN VALVE
3. PUMP BY-PASS VALVE
4. DRY GAS METER
5. ORIFICE & FLOW MANOMETERS
6. GAS INLET & OUTLET TEMPERATURE SENSORS AND INDICATORS

**\*IMPINGER CONTENTS**

- |     |                                      |
|-----|--------------------------------------|
| 1&2 | $\text{NH}_3 / \text{H}_2\text{O}_2$ |
| 3   | Empty                                |
| 4&5 | $\text{KMnO}_4$                      |
| 6   | Silica Gel                           |

GAS SAMPLING METER BOX

**Coastal Air Consulting, Inc**  
 1531 Wyngate Drive, Deland FL  
 (386) 943-9241 Fax (386) 943 9212

DRAWN BY R F Cobb	TITLE EPA Method 29 Sample Train
	DESCRIPTION MULTIPLE METALS SAMPLING CONFIGURATION
DATE	SCALE NONE



**APPENDIX 4  
LAB ANALYSIS**

OXFORD LABORATORIES  
Division of Tritest

Analytical and Consulting Chemists  
1816 South Fifth Street  
Wilmington, N.C. 28401  
(910) 738-9798  
Fax (910) 348-9688

DATE RECEIVED 09-10-02  
DATE REPORTED 09-30-02  
02T9313

PAGE 1 OF 6

COASTAL AIR CONSULTING INC.  
1531 WYNGATE DR.  
DELAND, FL 32724

P.O. # CREDIT CARD

ATTENTION: STEPHEN WEBB

SAMPLE DESCRIPTION: METHOD 29 + Hg 9-10-02

- 1. RUN 1
- 2. RUN 2
- 3. RUN 2 DUPLICATE
- 4. RUN 3
- 5. RUN 3 MATRIX SPIKE
- 6. REAGENT BLANK

RESULTS

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
Beryllium, as Be, Total ug	<.100	<.100	<.100	<.100	108%	<.100
Lead, as Pb, Total ug	2.00	1.90	1.82	3.14	108%	1.05

# OXFORD LABORATORIES

Division of Tritest

Analytical and Consulting Chemists  
 1316 South Fifth Street  
 Wilmington, N.C. 28401  
 (910) 763-9793  
 Fax (910) 343-9688

DATE RECEIVED 09-10-02  
 DATE REPORTED 09-30-02  
 02T9313

PAGE 3 OF 6

COASTAL AIR CONSULTING INC.  
 1531 WYNGATE DR.  
 DELAND, FL 32724

P.O. # CREDIT CARD

ATTENTION: STEPHEN WEBB

SAMPLE DESCRIPTION: METHOD 29 + Hg 9-10-02

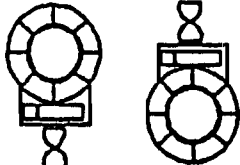
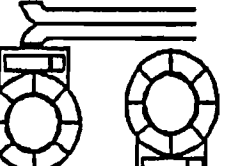
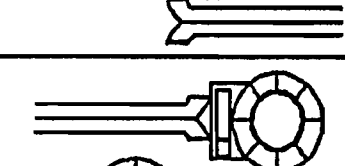
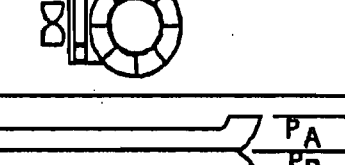


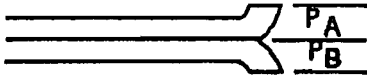
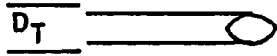
1. RUN 1
2. RUN 2
3. RUN 2 DUPLICATE
4. RUN 3
5. RUN 3 MATRIX SPIKE
6. REAGENT BLANK

## RESULTS

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
RESULTS FOR MERCURY TOTAL UG						
Mercury, Front 1/2, Total ug	<.200	<.200	X	<.200	102%	<.200
Mercury, Front 1/2, Total ug	<.200	<.200	X	<.200	X	<.200
Mercury, Back 1/2, Total ug	<.890	<.960	X	<.960	103%	<.600
Mercury, Back 1/2, Total ug	<.890	<.960	X	<.960	X	<.600
Mercury, HN03, Total ug	<.400	<.400	X	<.400	103%	<.200
Mercury, HN03, Total ug	<.400	<.400	X	<.400	X	<.200
Mercury, KMn04, Total ug	<1.00	<1.00	X	<1.00	100%	<.600
Mercury, KMn04, Total ug	<1.00	<1.00	X	<1.00	X	<.600
Mercury, HCl, Total ug	<1.00	<1.00	X	<1.00	103%	<1.00
Mercury, HCl, Total ug	<1.00	<1.00	X	<1.00	X	<1.00

**APPENDIX 5**  
**QUALITY ASSURANCE**

# TYPE "S" PITOT TUBE CALIBRATION

<u>PARAMETER</u>	<u>SPECIFICATION</u>	<u>EXAMPLE</u>	<u>MEASUREMENT INSTRUMENT</u>
IMPACT/ a1	(< 10 DEG)		DEGREE INDICATING LEVEL
STATIC/ a2	(< 10 DEG)		DEGREE INDICATING LEVEL
STATIC/ B1	(< 5 DEG)		DEGREE INDICATING LEVEL
IMPACT/ B2	(< 5 DEG)		DEGREE INDICATING LEVEL
$\gamma$	DEGREES		DEGREE INDICATING LEVEL
$\theta$	DEGREES		DEGREE INDICATING LEVEL
$P_A$	INCHES		RULER
$P_B$	INCHES		
$P_A + P_B = A$	INCHES		
$D_T$	INCHES		MICROMETER

$Z = A \sin \gamma$  (LIMIT < 0.125 INCHES)

$W = A \sin \theta$  (LIMIT < 0.03125 INCHES)

PITOT #	a1	a2	B1	B2	$\gamma$	$\theta$	P <sub>A</sub>	P <sub>B</sub>	A	D <sub>T</sub>	Z	W	DAMAGE ?
CAC2	4	4	2	2	0	0	0.4455	0.4455	0.891	0.354	0	0	None

CALIBRATED BY: *S.L. Wells* DATE: *9-3-02*

# SAMPLE NOZZLE CALIBRATION

REFERENCE: EPA METHOD 5

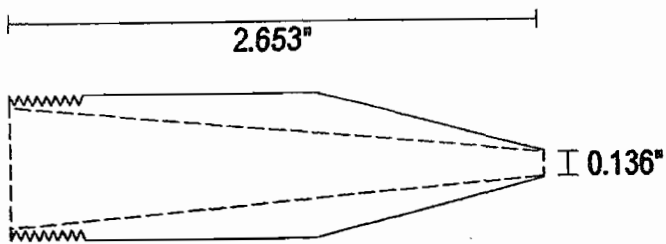
PROCEDURE: MEASURE THE INNER DIAMETER OF THE SAMPLING NOZZLE TO THE NEAREST 0.001 INCHES.  
REPEAT UNTIL THREE MEASUREMENTS ARE MADE AT DIFFERENT POINTS ON THE NOZZLE DIAMETER.

DATE: 9-3-02

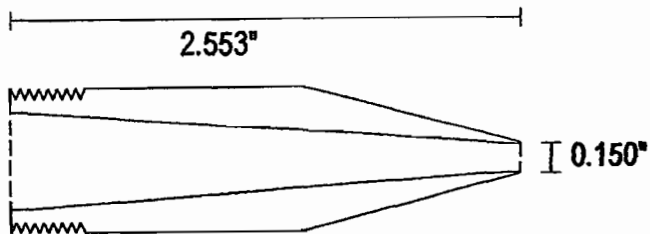
TOLERANCE: RANGE NOT TO EXCEED 0.004 INCHES

BY: S.L. Webb

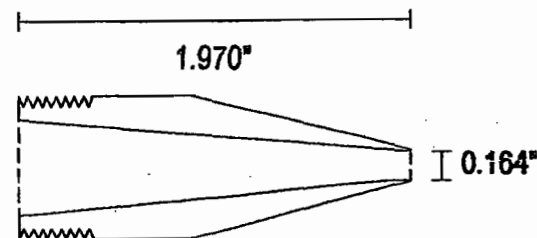
NOZZLE NUMBER	1ST MEAS.	2ND MEAS.	3RD MEAS.	AVERAGE	MAXIMUM RANGE
CAC 2	0.220	0.220	0.220	0.220	
CAC 3	0.220	0.220	0.220	0.220	
PM <sub>10</sub>	0.164	0.163	0.164	0.164	



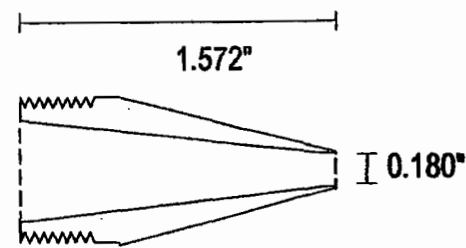
**1** Actual: 0.135"



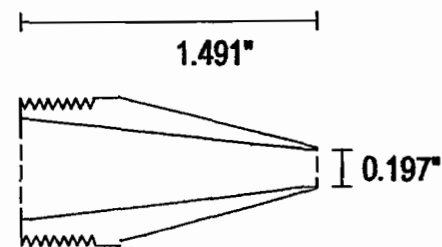
**2** Actual: 0.150"



**3** Actual: 0.164"



**4** Actual: 0.181"



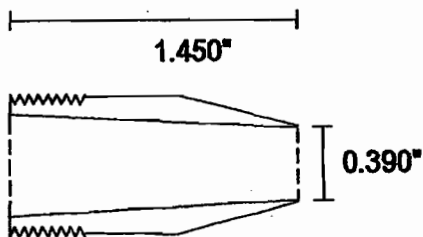
**5** Actual: 0.196"

**PM10-SS  
CYCLONE NOZZLE SET**

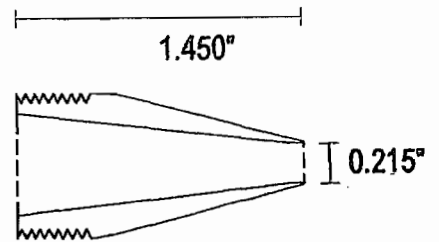
S/N: 201231

**Calibration  
Performed By:**

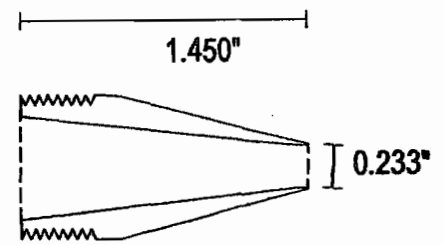
CHRIS DALE



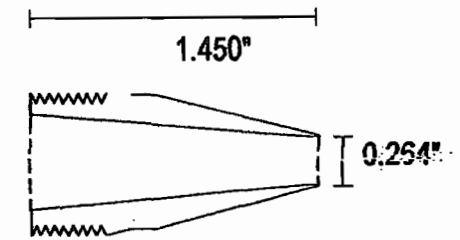
**11** Actual: 0.390"



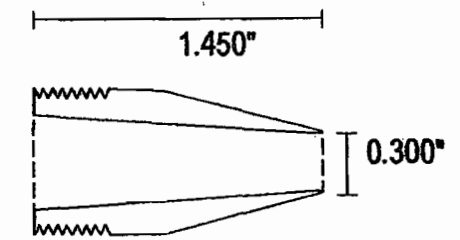
**6** Actual: 0.215"



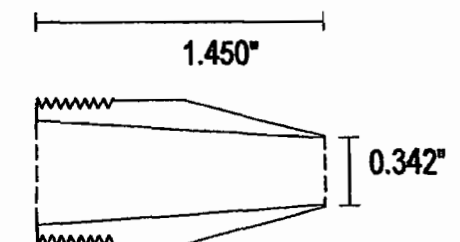
**7** Actual: 0.233"



**8** Actual: 0.263"



**9** Actual: 0.301"



**10** Actual: 0.344"

Coastal Air Consulting, Inc.  
EPA Method 5  
Meter Box Calibration  
Post-Test Orifice Method

Date:	9/12/2002
Box:	CAC 1
Serial:	70

Barometric Pressure:	29.94 (in Hg)
Theoretical Critical Vacuum:	14.12 (in Hg)

IMPORTANT! For valid test results, the Actual Vacuum should be 1 to 2 in. Hg greater than the Theoretical Critical Vacuum shown above.  
IMPORTANT! The Critical Orifice Coefficient, K', must be entered in English units, (ft)<sup>3</sup>\*(deg R)<sup>0.5</sup>/((in. Hg)\*(min)).

DRY GAS METER READINGS							Critical Orifice Readings			AMBIENT TEMPERATURE		
dH (in H2O)	Time (min)	Volume Initial (cu ft)	Volume Final (cu ft)	Volume Total (cu ft)	Temp Initial (deg F)	Temp Final (deg F)	Orifice Serial #	K' Orifice Coefficient (see above)	Actual Vacuum (in Hg)	Initial (deg F)	Final (deg F)	Average (deg F)
0.63	10	217.751	222.401	4.65	90	90	48	0.357	15.5	85	85	85
0.63	10	222.401	227.045	4.644	90	90	48	0.357	15.5	85	85	85
0.63	10	227.045	231.674	4.629	90	90	48	0.357	15.5	85	85	85

CORRECTED VOLUME	
DRY GAS METER	ORIFICE
Vm(std) (cu ft)	Vcr(std) (cu ft)
4.472	4.584
4.466	4.584
4.452	4.584

DRY GAS METER CALIBRATION FACTOR Y	
Value	Variation
1.025	-0.002
1.026	-0.0007
1.030	0.0027

ORIFICE CALIBRATION FACTOR dH@	
Value (in H2O)	Variation (in H2O)
1.687	0.000
1.687	0.000
1.687	0.000

Average 1.027

Average 1.687

Note: For Calibration Factor Y, the ratio of the reading of the calibration meter to the dry gas meter, acceptable tolerance of individual values from the average is +0.02.

For Orifice Calibration Factor dH@, the orifice differential pressure in inches of H2O that equates to 0.75 cfm of air at 68 F and 29.92 inches of Hg, acceptable tolerance of individual values from the average is +0.2.

SIGNED: Stephen C. Webb

Date: 9-12-02

$$V_{m(std)} = 17.64 (V_m) \frac{P_b + \frac{\Delta H}{13.6}}{t_m + 460}$$

$$V_{cr(std)} = K' \frac{P_b \theta}{\sqrt{t_{amb} + 460}}$$

$$Y = \frac{V_{cr(std)}}{V_{m(std)}}$$

$$\Delta H_{@} = \Delta H \left( \frac{.75\theta}{V_{cr(std)}} \right)^2$$



Coastal Air Consulting, Inc.  
EPA Method 5  
Meter Box Calibration  
Post-Test Orifice Method

Date:	9/12/2002
Box:	CAC 2
Serial:	

Barometric Pressure:	29.94	(in Hg)
Theoretical Critical Vacuum:	14.12	(in Hg)

IMPORTANT! For valid test results, the Actual Vacuum should be 1 to 2 in. Hg greater than the Theoretical Critical Vacuum shown above.  
IMPORTANT! The Critical Orifice Coefficient, K', must be entered in English units, (ft)<sup>3</sup>/(deg R)<sup>0.5</sup>/(in.Hg)<sup>0.5</sup>(min).

DRY GAS METER READINGS							Critical Orifice Readings			AMBIENT TEMPERATURE		
dH (in H2O)	Time (min)	Volume Initial (cu ft)	Volume Final (cu ft)	Volume Total (cu ft)	Temp Initial (deg F)	Temp Final (deg F)	Orifice Serial #	K' Orifice Coefficient (see above)	Actual Vacuum (in Hg)	Initial (deg F)	Final (deg F)	Average (deg F)
1.9	10	560.750	568.61	7.86	91	95	63	0.600	15.5	85	85	85
1.9	10	568.610	576.510	7.9	91	95	63	0.600	15.5	85	85	85
1.9	10	576.510	584.427	7.917	91	95	63	0.600	15.5	85	85	85

CORRECTED VOLUME	
DRY GAS METER Vm(std) (cu ft)	ORIFICE Vcr(std) (cu ft)
7.542	7.695
7.580	7.695
7.596	7.695

DRY GAS METER CALIBRATION FACTOR Y	
Value	Variation
1.020	0.004
1.015	-0.001
1.013	-0.0032

ORIFICE CALIBRATION FACTOR dH@	
Value (in H2O)	Variation (in H2O)
1.805	0.000
1.805	0.000
1.805	0.000

Average 1.016

Average 1.805

Note: For Calibration Factor Y, the ratio of the reading of the calibration meter to the dry gas meter, acceptable tolerance of individual values from the average is +0.02.

For Orifice Calibration Factor dH@, the orifice differential pressure in inches of H2O that equates to 0.75 cfm of air at 68 F and 29.92 inches of Hg, acceptable tolerance of individual values from the average is +0.2.

SIGNED: Stephen C. Welch

Date: 9-12-02

$$V_{n(std)} = 17.64 (V_n) \frac{P_b + \frac{\Delta H}{13.6}}{t_n + 460}$$

$$V_{cr(std)} = K' \frac{P_b \theta}{\sqrt{t_{amb} + 460}}$$

$$Y = \frac{V_{cr(std)}}{V_{m(std)}}$$

$$\Delta H_{@} = \Delta H \left( \frac{.75\theta}{V_{cr(std)}} \right)^2$$

COASTAL AIR CONSULTING, INC.  
 EPA Method 5  
 Meter Box Calibration  
 Pre-Test Orifice Method  
 English Meter Box Units, English K' Factor

Date:	8/16/2002
Box:	CAC 1
Serial:	

Barometric Pressure:	30.12	(in Hg)
Theoretical Critical Vacuum:	14.21	(in Hg)

IMPORTANT For valid test results, the Actual Vacuum should be 1 to 2 in. Hg greater than the Theoretical Critical Vacuum shown above.  
 IMPORTANT The Critical Orifice Coefficient, K', must be entered in English units, (ft<sup>3</sup>\*3\*(deg F)<sup>0.5</sup>/((in.Hg)\*(min)).

DRY GAS METER READINGS							Critical Orifice Readings			AMBIENT TEMPERATURE		
dH (in H2O)	Time (min)	Volume Initial (cu ft)	Volume Final (cu ft)	Volume Total (cu ft)	Temp Initial (deg F)	Temp Final (deg F)	Orifice Serial #	K' Orifice Coefficient (see above)	Actual Vacuum (in Hg)	Initial (deg F)	Final (deg F)	Average (deg F)
0.3	16	400.324	405.497	5.173	90	90	40	0.243	23.5	84	84	84
0.67	11	394.701	399.943	5.242	89	90	48	0.357	22	84	84	84
1.2	8	388.402	393.42	5.018	89	90	55	0.471	21	83	83	83
2	7	382.654	388.104	5.45	89	90	63	0.600	19	83	83	83
3.8	5.1	375.454	381.135	5.681	88	89	73	0.841	16	83	83	83

CORRECTED VOLUME	
DRY GAS METER	ORIFICE
Vm(std) (cu ft)	Vcr(std) (cu ft)
5.001	5.021
5.077	5.071
4.866	4.870
5.295	5.429
5.554	5.544

DRY GAS METER CALIBRATION FACTOR Y	
Value	Variation
1.004	-0.001
0.999	-0.0065
1.001	-0.0046
1.025	0.01977
0.998	-0.0072

ORIFICE CALIBRATION FACTOR dH@	
Value (in H2O)	Variation (in H2O)
1.714	-0.084
1.773	-0.024
1.821	0.024
1.870	0.07297
1.809	0.0114

Average 1.005

Average 1.797

Note: For Calibration Factor Y, the ratio of the reading of the calibration meter to the dry gas meter, acceptable tolerance of individual values from the average is +/-0.02.

For Orifice Calibration Factor dH@, the orifice differential pressure in inches of H2O that equates to 0.75 cfm of air at 68 F and 29.92 inches of Hg, acceptable tolerance of individual values from the average is +/-0.2.

SIGNED: Stephen C. Webb

Date: 8/16/02

$$V_{n(std)} = 17.64 (V_n) \frac{P_b + \frac{\Delta H}{13.6}}{t_n + 460}$$

$$V_{cr(std)} = K' \frac{P_b \theta}{\sqrt{t_{amb} + 460}}$$

$$Y = \frac{V_{cr(std)}}{V_{m(std)}}$$

$$\Delta H_{@} = \Delta H \left( \frac{.75\theta}{V_{cr(std)}} \right)^2$$

COASTAL AIR CONSULTING, INC.  
 EPA Method 5  
 Meter Box Calibration  
 Pre-Test Orifice Method  
 English Meter Box Units, English K' Factor

Date:	8/16/2002
Box:	CAC 2
Serial:	70

Barometric Pressure:	30.12	(in Hg)
Theoretical Critical Vacuum:	14.21	(in Hg)

IMPORTANT! For valid test results, the Actual Vacuum should be 1 to 2 in. Hg greater than the Theoretical Critical Vacuum shown above.  
 IMPORTANT! The Critical Orifice Coefficient, K', must be entered in English units, (ft)<sup>3</sup>/(deg R)<sup>0.5</sup>((in.Hg)<sup>3</sup>(min)).

DRY GAS METER READINGS							Critical Orifice Readings			AMBIENT TEMPERATURE		
dH (in H <sub>2</sub> O)	Time (min)	Volume Initial (cu ft)	Volume Final (cu ft)	Volume Total (cu ft)	Temp Initial (deg F)	Temp Final (deg F)	Orifice Serial #	K' Orifice Coefficient (see above)	Actual Vacuum (in Hg)	Initial (deg F)	Final (deg F)	Average (deg F)
0.29	16	949.737	954.765	5.028	88	90	40	0.243	24.5	83	83	83
0.64	11	955.153	960.261	5.108	90	91	48	0.357	23.5	83	83	83
1.1	9	961.501	966.994	5.493	92	93	55	0.471	22	84	84	84
1.9	7	967.701	973.162	5.461	93	94	63	0.600	20.5	84	84	84
3.7	6	974.202	980.78	6.578	94	95	73	0.841	18	84	84	84

CORRECTED VOLUME	
DRY GAS METER V <sub>m</sub> (std) (cu ft)	ORIFICE V <sub>cr</sub> (std) (cu ft)
4.869	5.026
4.938	5.076
5.297	5.474
5.266	5.424
6.360	6.516

DRY GAS METER CALIBRATION FACTOR Y	
Value	Variation
1.032	0.002
1.028	-0.0016
1.034	0.00392
1.030	0.00027
1.025	-0.005

ORIFICE CALIBRATION FACTOR dH@	
Value (in H <sub>2</sub> O)	Variation (in H <sub>2</sub> O)
1.653	-0.059
1.691	-0.022
1.672	-0.040
1.780	0.06792
1.764	0.05224

Average 1.030

Average 1.712

Note: For Calibration Factor Y, the ratio of the reading of the calibration meter to the dry gas meter, acceptable tolerance of individual values from the average is +0.02.

For Orifice Calibration Factor dH@, the orifice differential pressure in inches of H<sub>2</sub>O that equates to 0.75 cfm of air at 68 F and 29.92 inches of Hg, acceptable tolerance of individual values from the average is +0.2.

SIGNED: Stephen C. Wall

Date: 8/16/02

$$V_{m(std)} = 17.64 (V_m) \frac{P_b + \frac{\Delta H}{13.6}}{t_m + 460}$$

$$V_{cr(std)} = K' \frac{P_b \theta}{\sqrt{t_{amb} + 460}}$$

$$Y = \frac{V_{cr(std)}}{V_m(std)}$$

$$\Delta H_{@} = \Delta H \left( \frac{.75 \theta}{V_{cr(std)}} \right)^2$$

**THERMOCOUPLE POSTTEST  
CALIBRATION CHECK**

Standard: National Bureau of Standards Thermocouple

Reference: Q.A. sec 3.1.2

Procedure: Test thermocouple and NBS thermocouple are wrapped in a heating mat. The temperature is controlled by the current flow into the mat, and is stabilized at a point within 10% of the average stack temperature during the test.

Tolerance: +/- 1.5% of actual absolute temperature

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Test site: PG&E Cedar Bay	Check date: 9/12/02
Test date: 9/3&4/02	Check by: S. C. Webb
Avg. stack temp. 330	

T/C #	LENGTH ft	REFERENCE TEMP. F	MEASURED TEMP. F	DIFFERENCE %
15	15	330	331	0.13
10	10	330	330	0.00

**THERMOCOUPLE CALIBRATION DATA**

**STANDARD:** National Bureau of Standards Thermocouple

**REFERENCE:** EPA Method 2.

**FREQUENCY:** Annualy

**PROCEDURE:** Thermocouple and NBS thermocouple are inserted into a thermostatically controlled oil bath. Temperatures are stabilized at approximately 230 & 340 F. Potentiometer and thermocouple readings are compared.

**TOLERANCE:** + / - 1.5% of actual absolute temperature.

**REFERENCE TEMPERATURES**

**AMBIENT      65.0              MIC      230.0              HIGH      350.0**

T/C. Number	Length (ft)	OBS TEMP (F)	DIFF (%)	OBS TEMP (F)	DIFF (%)	OBS TEMP (%)	DIFF (%)
15	15	65.0	0.00	232.0	0.29	349.0	-0.12
10	10	65.0	0.00	230.0	0.00	350.0	0.00
8	8	65.0	0.00	231.0	0.14	349.0	-0.12
6	6	65.0	0.00	229.0	-0.14	347.0	-0.37
3	3	65.0	0.00	230.0	0.00	348.0	-0.25
7	7	65.0	0.00	230.0	0.00	350.0	0.00

**Calibrated by: S. C. Webb**  
**Date: 1/2/02**  
**Due: 1/2/03**

**SAMPLE HEAD HOOK-UP THERMOCOUPLE  
CALIBRATION PROCEDURES**

**FREQUENCY:** Quarterly (two point calibration)

1. Place ASTM thermometer and sample head hook-up thermocouple in ice bath, allow time for both to equilibrate. Compare and record readings after they have stabilized.
2. Remove both the ASTM thermometer and sample head hook-up thermocouple. Dry off thoroughly and place in a room with constant temperature and humidity. Allow a period of stabilization and record readings.

**Acceptance Standard:** The test thermocouple (sample head hook up) shall be acceptable if both temperatures are within  $\pm 2$  F of the ASTM standard thermometer.

**Note:** If the thermocouple is not within the tolerances, discard and calibrate one which will be satisfactory.

Thermo. I.D. No.	Location	Reference Temp. (F)		Observed Temp. (F)		Difference Temp. (F)	
		1	2	1	2	1	2
A	SHH-A	32.0	65.0	32.0	65.0	0.0	0.0
B	SHH-B	32.0	65.0	32.0	65.0	0.0	0.0
						0.0	0.0
						0.0	0.0
						0.0	0.0
						0.0	0.0

**Calibrated by:** S. C. Webb  
**Date:** 1/2/02  
**Due:** 1/2/03

**DRY GAS METER  
THERMOCOUPLE CALIBRATION DATA**

Frequency: Annual (two point) calibration.

Standard: ASTM Hg in glass thermometer, NBS ice point reference chamber, and potentiometer.

Reference: EPA Method 5, Section 2.1.8

Procedure: 1. Place ASTM thermometer and dry gas meter thermocouples (inlet and outlet) in hot water bath where the temperature is maintained between 100 F and 125 F. When the temperature has stabilized the thermocouple and ASTM thermometer are compared.

2. Remove ASTM thermometer and thermocouples from the warm bath, dry thoroughly, and place in a room with constant temperature and humidity. Allow a period of stabilization and record the readings.

Tolerance: +/- 5.4 F

Therm ID No.	Location	Reference Temp. (F)		Observed Temp. (F)		Difference (F)	
		1	2	1	2	1	2
1 MB	Meter Box No. CAC1	120.0	70.0	120.0	70.0	0.0	0.0
2 MB	Meter Box No. CAC1	120.0	70.0	120.0	70.0	0.0	0.0
1 MB	Meter Box No. CAC2	120.0	70.0	120.0	70.0	0.0	0.0
2 MB	Meter Box No. CAC2	120.0	70.0	120.0	70.0	0.0	0.0

**CALIBRATED BY: S. Webb  
DATE: 01/02/02  
DUE: 01/02/03**

**APPENDIX 6**  
**SAMPLE CALCULATIONS**



**SAMPLE EQUATIONS  
FOR ISOKINETIC SAMPLING**

**CALCULATIONS FOR FLUE GAS VOLUME AND ISOKINETIC RATIO**

Time	Dry Gas	Pitot	Orifice	Dry Gas		Flue Gas	Stack
	Meter Ft <sup>3</sup>	$\Delta P$ In. H <sub>2</sub> O	$\Delta H$ In. H <sub>2</sub> O	Temp. °F In	Out	Static Pressure In. H <sub>2</sub> O	
T	V <sub>m</sub>	$\Delta p$	$\Delta H$	TMI	TMO	P <sub>g</sub>	t <sub>s</sub>

1. D<sub>n</sub> = Nozzle Diameter (inches)

1a. A<sub>n</sub> = Area of Nozzle (ft<sup>2</sup>)

2. P<sub>bar</sub> = Barometric Pressure (in. Hg)

3. TT = Net Sampling Time (minutes)

4. V<sub>m</sub> = V<sub>m</sub> Final - V<sub>m</sub> Initial = Sample Gas Volume (Ft<sup>3</sup>)

5. T<sub>m</sub> = Average Dry Gas Temperature at Meter (°F)

$$T_m = \frac{\text{Avg. TMI} + \text{Avg. TMO}}{2}$$

6.  $\Delta p$  = Velocity head of stack gas (in. H<sub>2</sub>O)

7.  $\Delta H$  = Average Orifice Pressure Drop (in. H<sub>2</sub>O)

8. Volume of dry gas sampled at standard conditions<sup>a</sup> (DSCF)

$$V_{m(std)} = \frac{(17.64)(V_m)(Y) \left( P_{bar} + \frac{\Delta H}{13.6} \right)}{(T_m + 460)}$$

9. V<sub>lc</sub> = Total Water Collected = gm H<sub>2</sub>O Silica gel + ml Imp. H<sub>2</sub>O = ml

10. Volume of water vapor at standard conditions<sup>b</sup> (SCF)

$$V_{w(std)} = 0.0471(V_{lc}) = SCF$$

11. Percent moisture in flue gas

$$\%M = \frac{100(V_{w(std)})}{V_{m(std)} + V_{w(std)}}$$

12. Mole fraction of water vapor in flue gas

$$B_{ws} = \frac{\%M}{100}$$

13. Molecular Weight of dry flue gas

$$M_d = 0.44(\%CO_2) + 0.32(\%O_2) + 0.28(\%N_2 + \%CO)$$

- 13a. %EA = % Excess Air =

$$\frac{[(\%O_2) - 0.5(\%CO)]}{[0.264(\%N_2)] - [(\%O_2) - 0.5(\%CO)]} \times 100$$

14. Molecular weight of wet flue gas

$$M_s = M_d(1 - B_{ws}) + 18(B_{ws})$$

15. A = Cross-sectional area of stack (Ft<sup>2</sup>)

$$\frac{\pi r^2}{144}$$

16. P<sub>s</sub> = Flue gas pressure (in, Hg)

$$P_s = P_{bar} + P_g$$

NOTE:  $P_g(Hg) = \frac{P_g(in. H_2O)}{13.6}$

17. T<sub>s</sub> = Absolute stack temperature (°R)

$$T_s = 460 + t_s$$

18. Flue velocity at stack conditions (FT/SEC)

$$V_s = (K_p)(C_p) \left[ (\sqrt{\Delta p})_{avg} \right] \sqrt{\frac{T_s(avg)}{P_s * M_s}}$$

$C_p$  = pitot tube coefficient

$K_p$  = pitot tube constant = 85.49ft/sec

19. Flue gas volumetric flow rate at standard conditions<sup>b</sup> (SCFM)

$$Q_s = (V_s)(A) \left( \frac{528}{T_s(avg.)} \right) \left( \frac{P_s}{29.92} \right) (60)$$

20. Flue gas volumetric flow rate at standard conditions<sup>c</sup> (DSCFM)

$$Q_{sd} = (1 - B_{ws})(V_s)(A) \left( \frac{528}{T_s(avg.)} \right) \left( \frac{P_s}{29.92} \right) (60)$$

21. Flue gas volumetric flow rate at stack conditions (ACFM)

$$Q_a = (V_s)(A)(60)$$

22. Percent Isokinetic

$$\%I = \frac{K_4(T_s)(V_{m(std)})}{P_s V_s A_n \Theta (1 - B_{ws})}$$

$K_4 = 0.09450$

$\Theta = \text{time}(\text{min})$

- NOTES: <sup>a</sup>Dry standard cubic feet at 68°F, 29.92 in. Hg  
<sup>b</sup>Standard conditions at 68°F, 29.92 in. Hg  
<sup>c</sup>Dry standard cubic feet per minute at 68°F, 29.92 in. Hg

II. Calculations for grain loading and emission rates

23. Particulate (gr/DSCF)

$$gr / DSCF = 0.01543 \left( \frac{mg}{V_{m(std)}} \right)$$

24. Particulate at stack conditions (gr/ACF)

$$gr / ACF = \frac{17.64 gr / DSCF (P_s)(M_d)}{(T_s + 460)}$$

25. Particulate (lbs/hr), concentration method

$$lbs / hr = 0.00857 * gr / DSCF * Q_{sd}$$

26. Particulate (lbs/hr), area method

$$lbs / hr = 0.132 * \frac{particulate(g) * A}{\frac{(D_n)^2}{2} * TT}$$

27. Particulate (lbs/mmBtu)

$$\frac{lbs / hr}{10^6 Btu / hr}$$

28. Particulate (lbs/ton)

$$lbs / ton = \frac{lbs / hr}{tons / hr}$$

29. Particulate (lbs/mmBtu), F-Factor Method

$$\text{Using } O_2 = \frac{(0.01543)(mg)(F - \text{Factor})(20.9)}{(7000)(V_{m(std)})(20.9 - \%O_2)}$$

30. Particulate (gr/dscf) @ % Excess Air

$$gr/dscf @ \% EA = ((100 + \%EA)/150) (gr/dscf)$$

31. Particulate (lbs/mmBtu), F-Factor Method (Continued)

$$\text{Using CO}_2 = \frac{(0.01543)(mg)(F - \text{Factor})(100)}{(7000)(V_{m(\text{std})})(\%CO_2)}$$

32. F-Factor (dscf/mmBtu)

Wet Basis ( $F_w$ )

$$F_w = \frac{10^6 \text{ Btu} / \text{mmBtu} [5.57(\%H) + 1.53(\%C) + 0.57(\%S) + 0.14(\%N) - 0.46(\%O_2) + 0.21(\%H_2O)]}{GCV_w}$$

Dry Basis ( $F_d$ )

$$F_d = \frac{10^6 \text{ Btu} / \text{mmBtu} [3.64(\%H) + 1.53(\%C) + 0.57(\%S) + 0.14(\%N) - 0.46(\%O_2)]}{GCV_d}$$

Carbon Basis ( $F_c$ )

$$F_c = \frac{10^6 \text{ Btu} / \text{mmBtu} [0.321(\%C)]}{GCV_d}$$

33. Particulate Emissions, (grams/DSCF)

$$Cs = \text{Particulate (mg)} / 1000 / \text{DSCF}$$

34. Particulate Emissions, (lb/ton) of Kiln Feed

$$(Cs) (\text{DSCFH}) / (130 \text{ tph}) (453.6\text{g/lb})$$

CALCULATIONS FOR RUN 1

1. Volume of dry gas sampled at standard conditions, DSCF

$$V_{m \text{ std}} = 17.64 * 83.417 * 1.0300 * \frac{29.97 + (1.487 / 13.6)}{104.1 + 460}$$

2. Volume of water vapor at standard conditions, SCF

$$V_{m \text{ gas}} = 0.04715 * 195.5$$

3. Percent moisture in stack gas

$$\% M = 100 * \frac{9.22}{(80.819 + 9.22)}$$

4. Mole fraction dry gas

$$M_d = \frac{(100 - 10.24)}{100}$$

5. Percent nitrogen in dry stack gas, lb/lb-mole

$$\% N_2 = 100 - 13.10 - 6.20$$

6. Molecular weight of dry stack gas, lb/lb-mole

$$MW_d = (13.10 * 0.44) + (6.20 * 0.32) + (80.70 * 0.28)$$

7. Molecular weight of wet stack gas, lb/lb-mole

$$MW = (30.34 * 0.898) + [18 * (1 - 0.8976)]$$

8. Stack gas static pressure, in. Hg abs.

$$P_{sa} = (-23.00 * 13.6) + 29.97 - (0.001 * 0.00)$$

9. Stack gas velocity at standard conditions, fps

$$V_s = 85.49 * 0.84 * \left( \frac{1.090}{\left( \frac{332 + 460}{28.28 * 29.08} \right)^{1/2}} \right)^{1/2}$$

10. Stack gas volumetric flow rate at standard conditions, DSCFM

$$Q_s = \frac{(1058.82 * 76.80 * 95.80 * 0.898 * 28.28)}{(332.0 + 460)}$$

11. Stack gas volumetric flow rate at stack conditions, ACFM

$$Q_a = 0.05667 * 249684.9 * \left( \frac{332.0 + 460}{28.28 * 0.898} \right)$$

12. Percent isokinetic

$$\% I = \frac{17.326 * 80.819 * (332.0 + 460)}{76.80 * 120 * 28.28 * 0.898 * (0.22)^2}$$

13. Combustion gas production rate, SCF/MMBTU

$$F = 8710 * (0.0 / 100) + 9190 * [1 - (0.0 / 100)]$$

14. Particulate emission rate, grains/SCF

$$E_g = 0.01543 * (6.8 / 80.819)$$

15. Particulate emission rate, lbs/MMBTU

$$E_b = 9780 * (0.0013 / 7000) * [20.9 / (20.9 - 6.20)]$$

## CALCULATION FOR METALS EMISSION RATE

1. Total train mass ( $\mu\text{g}$ ),  $M_t$

$$M_t (\mu\text{g}) = (M_{fh} - M_{fbb}) + (M_{bh} - M_{bbb})$$

$M_t$  = Total mass of each metal collected in the sample train,  $\mu\text{g}$

$M_{fbb}$  = Blank correction value of metal in front half,  $\mu\text{g}$

$M_{bbb}$  = Blank correction value of metal in back half,  $\mu\text{g}$

2. Concentration (mg/dscm),  $C_s$

$$C_s (\text{mg/dscm}) = (K_4 * M_t) / (V_m(\text{std}))$$

$C_s$  = Concentration of metal in the stack gas, mg/dscm

$K_4 = 10^{-3} \text{ mg}/\mu\text{g}$

$M_t$  = Total mass of each metal collected in the sample train,  $\mu\text{g}$

$V_m(\text{std})$  = Volume of dry gas sampled corrected to standard conditions, dscm

3. Emission Rate (lb/hr),  $E$

$$E (\text{lb/hr}) = C_s * Q_s * 60 * (2.205 * 10^{-6}) * 0.02832$$

$E$  = Emission rate of metal in the stack gas, lb/hr

$C_s$  = Concentration of metal in the stack gas, mg/dscm

$Q_s$  = Volumetric flow rate of stack gas, dscm/m

60 = Minutes in an hour

$2.205 * 10^{-6}$  = Conversion factor for lb to mg

0.02832 = Conversion factor for dscm to dscf



## Calculation For Beryllium Emission Rate

Run 1  $M_T = < 0.1 \text{ ug}$   
 $C_{Be} = 10^{-3}(0.1) / 80.819 / 35.31 = < 0.000044 \text{ mg/dscm}$   
 $E_{Be} = < 0.000044 (249684.9) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.000041 \text{ lb/hr}$

Run 2  $M_T = < 0.1 \text{ ug}$   
 $C_{Be} = 10^{-3}(0.1) / 89.720 / 35.31 = < 0.000039 \text{ mg/dscm}$   
 $E_{Be} = < 0.000039 (260123.4) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.000038 \text{ lb/hr}$

Run 3  $M_T = < 0.1 \text{ ug}$   
 $C_{Be} = 10^{-3}(0.1) / 88.569 / 35.31 = < 0.00004 \text{ mg/dscm}$   
 $E_{Be} = < 0.00004 (259443.8) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.000039 \text{ lb/hr}$

## Calculation For Lead Emission Rate

Run 1  $M_T = 2.00 - 1.05 = 0.95 \text{ ug}$   
 $C_{Pb} = 10^{-3}(0.95) / 80.819 / 35.31 = 0.00042 \text{ mg/dscm}$   
 $E_{Pb} = 0.00042 (249684.9) (60) (2.205 \times 10^{-6}) (0.02832) = 0.00039 \text{ lb/hr}$

Run 2  $M_T = 1.90 - 1.05 = 0.85 \text{ ug}$   
 $C_{Pb} = 10^{-3}(0.85) / 89.720 / 35.31 = 0.00034 \text{ mg/dscm}$   
 $E_{Pb} = 0.00034 (260123.4) (60) (2.205 \times 10^{-6}) (0.02832) = 0.00033 \text{ lb/hr}$

Run 3  $M_T = 3.14 - 1.05 = 2.09 \text{ ug}$   
 $C_{Pb} = 10^{-3}(2.09) / 88.569 / 35.31 = 0.00083 \text{ mg/dscm}$   
 $E_{Pb} = 0.00083 (259443.8) (60) (2.205 \times 10^{-6}) (0.02832) = 0.00081 \text{ lb/hr}$

## Calculation For Mercury Emission Rate

Run 1  $M_t = < 3.49 \mu\text{g}$

$$C_{Be} = 10^{-3}(3.49) / 80.819 / 35.31 = < 0.00153 \text{ mg/dscm}$$

$$E_{Hg} = 0.00153 (249684.9) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.00143 \text{ lb/hr}$$

Run 2  $M_t = < 3.49 \mu\text{g}$

$$C_{Be} = 10^{-3}(3.49) / 89.720 / 35.31 = 0.00137 \text{ mg/dscm}$$

$$E_{Hg} = 0.00137 (260123.4) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.00134 \text{ lb/hr}$$

Run 3  $M_t = < 3.49 \mu\text{g}$

$$C_{Be} = 10^{-3}(3.49) / 88.569 / 35.31 = < 0.00139$$

$$E_{Hg} = 0.00139 (259443.8) (60) (2.205 \times 10^{-6}) (0.02832) = < 0.00135 \text{ lb/hr}$$

## PM10 CALCULATIONS

1. Viscosity of stack gas (micropoise)  $\mu_s$

$$\mu_s = 152.418 + (0.2552 * T_s) + (3.2355 * 10^{-5})(T_s^2) + (0.53147)(O_2\%) - (74.143 - Bws)_s$$

$T_s$  = Stack Temperature

$O_2\%$  = Percent oxygen

$Bws$  = Moisture fraction

2. Cyclone flow rate (cfm)  $Q_s$

$$Q_s = .002837 \mu_s \left[ \frac{T_s + 460}{Mw * P_s} \right]^{0.2849}$$

3. Orifice pressure needed for cyclone flow rate (in  $H_2O$ )  $\Delta H$

$$\Delta H = \left[ \frac{Q_s(1 - Bws)P_s}{T_s + 460} \right]^2 * \left[ \frac{(T_m + 460)Md(1.083)H@}{P_b} \right]$$

4. Nozzle velocity (fps)  $V_n$

$$V_n = \frac{3.058 Q_s}{D_n^2}$$

$D_n$  = Nozzle diameter

5. Maximum and minimum velocities (fps)  $R_{max}$ ,  $R_{min}$

$$R_{min} = 0.2457 + \sqrt{0.3072 - \frac{0.2603 \sqrt{Q_s * \mu_s}}{V_n^{1.5}}} \quad V_{min} = V_n * R_{max}$$

$$R_{max} = 0.4457 + \sqrt{0.5690 + \frac{0.2603 \sqrt{Q_s * \mu_s}}{V_n^{1.5}}} \quad V_{max} = V_n * R_{min}$$

6. Maximum and minimum velocity head (in  $H_2O$ )  $\Delta p_{max}$ ,  $\Delta p_{min}$

$$\Delta p_{max} = 1.3686 * 10^{-4} \left[ \frac{P_s Mw (V_{max})^2}{(T_s + 460)(C_p)^2} \right]$$

$$\Delta p_{min} = 1.3686 * 10^{-4} \left[ \frac{P_s Mw (V_{min})^2}{(T_s + 460)(C_p)^2} \right]$$

7. Dwell time at first traverse point (min)  $t_1$

$$t_1 = \sqrt{\frac{\Delta p'1}{\Delta p'avg}} * \frac{Time}{Points}$$

$\Delta p'1$  = velocity head at first traverse point (from a previous traverse), in  $H_2O$

$\Delta p'avg$  = square of the average square root of the  $\Delta p$ 's (from a previous traverse), in  $H_2O$

8. Dwell time at subsequent traverse points (min)  $t_n$

$$t_n = \frac{t_1}{\sqrt{\Delta p_n}} * \sqrt{\Delta p_1}$$

9. Aerodynamic cut size ( $\mu m$ )  $D_{50}$

$$D_{50} = 0.15625 \left[ \frac{T_s}{MwPs} \right]^{0.2091} \left[ \frac{\mu s}{Q_s} \right]^{0.7091}$$

CEM Data

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 August 27, 2002

Emission Limits		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.4	71.6	0.121	115.3	33.0	0.034	0.034	32.4	33	48.4	0.114	0.18	108.65	169.8
01	13.1	84.7	0.147	141.0	30.8	0.033	0.035	31.7	33	42.0	0.101	0.15	96.87	145.7
02	12.8	69.9	0.124	111.6	32.0	0.035	0.035	31.5	33	45.8	0.113	0.11	101.73	102.4
03	10.3	51.1	0.113	63.5	129.8	0.174	0.052	97.8	41	0.1	0.000	0.07	0.00	66.2
04	10.6	47.1	0.101	55.4	131.1	0.171	0.069	93.8	48	0.0	0.000	0.04	0.00	33.9
05	11.7	43.2	0.084	61.9	96.6	0.114	0.079	84.0	54	0.2	0.001	0.00	0.74	0.2
06	13.1	63.4	0.110	108.6	47.7	0.050	0.081	49.4	57	39.9	0.096	0.03	94.81	31.9
07	12.9	57.6	0.102	98.7	38.6	0.041	0.082	39.7	58	42.0	0.103	0.07	99.62	65.1
08	13.0	55.5	0.097	94.4	32.2	0.034	0.082	33.1	58	96.3	0.235	0.14	228.75	141.1
09	13.3	58.2	0.099	97.8	35.5	0.037	0.082	36.2	58	117.5	0.279	0.21	273.92	200.8
10	13.3	71.6	0.122	120.1	34.8	0.036	0.082	35.4	59	78.7	0.187	0.23	184.06	228.9
11	13.3	91.5	0.156	157.5	31.3	0.033	0.065	33.3	51	86.7	0.206	0.22	207.96	222.0
12	13.5	90.6	0.153	153.7	32.8	0.034	0.047	34.2	43	117.0	0.274	0.22	275.29	222.4
13	13.4	94.9	0.161	159.6	36.3	0.037	0.038	37.7	37	85.4	0.202	0.23	200.28	227.8
14	13.2	108.9	0.188	186.6	35.4	0.037	0.036	36.7	36	75.0	0.180	0.22	178.69	218.1
15	13.4	95.7	0.162	161.6	37.0	0.038	0.036	37.7	36	111.5	0.263	0.22	260.76	213.2
16	13.3	107.9	0.184	183.6	37.0	0.038	0.036	37.7	36	63.5	0.151	0.20	149.90	196.5
17	13.3	100.2	0.171	172.6	32.3	0.034	0.036	34.3	36	124.2	0.295	0.24	297.80	236.2
18	13.2	105.6	0.182	182.4	32.2	0.034	0.036	34.1	36	102.2	0.245	0.23	245.56	231.1
19	13.1	106.0	0.184	183.8	32.7	0.035	0.036	35.0	36	102.3	0.247	0.26	246.68	263.3
20	12.9	103.7	0.183	175.7	33.5	0.036	0.036	34.6	36	67.2	0.165	0.22	158.45	216.9
21	12.9	86.3	0.152	146.5	35.1	0.038	0.036	36.6	36	119.3	0.292	0.23	282.39	229.2
22	12.8	87.6	0.156	150.0	35.8	0.039	0.037	37.5	36	81.0	0.200	0.22	192.30	211.0
23	12.8	90.9	0.161	34.3	35.6	0.039	0.037	8.3	32	80.0	0.198	0.23	42.16	172.3
Average	12.9	81.0	0.142	129.8	45.4	0.051		42		71.9	0.17		163.6	
Total				3116.2				1003					3927.4	
30-Day Rlg			0.16	154.1							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 August 28, 2002

<i>Emission Limits</i>		
	<i>lb/mmBtu</i>	<i>lb/hr</i>
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Inval	Down	Inval
01	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Inval	Down	Inval
02	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Down	Down	Down
06	Down	Down	Down	Down	Down	Down	Inval	Down	Inval	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
11	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
12	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
13	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
14	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
15	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
16	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
17	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
18	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
19	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
20	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
21	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
22	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
Average Total 30-Day Rlg	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
			0.16	154.1								0.18		

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 August 29, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
11	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
12	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
13	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
14	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
15	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
16	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
17	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
18	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
19	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
20	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
21	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
22	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
Average Total 30-Day Rlg	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
			0.16	154.1								0.18		

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 August 30, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	3.1	9.8	0.054	15.0	989.4	3.287	Inval	913.1	Inval	0.0	0.000	Inval	0.00	Inval
11	3.2	12.1	0.064	18.0	989.6	3.185	Inval	893.4	Inval	0.0	0.000	Inval	0.00	Inval
12	4.3	56.6	0.234	75.7	678.1	1.709	Inval	551.6	Inval	0.0	0.000	0.00	0.00	0.0
13	12.7	204.4	0.361	226.5	76.9	0.083	Inval	52.1	Inval	0.3	0.001	0.00	0.63	0.2
14	12.7	117.0	0.210	168.9	37.1	0.040	Inval	32.2	Inval	9.2	0.023	0.01	18.50	6.4
15	13.5	122.6	0.207	200.3	34.4	0.035	Inval	33.9	Inval	109.5	0.257	0.09	248.65	89.3
16	13.4	116.2	0.197	191.3	33.4	0.035	Inval	34.0	Inval	61.3	0.145	0.14	140.78	136.0
17	13.5	121.7	0.205	203.5	30.4	0.031	1.051	30.8	318	142.4	0.334	0.25	331.50	240.3
18	13.4	118.1	0.200	196.5	30.8	0.032	0.644	31.4	207	61.9	0.146	0.21	143.46	205.2
19	13.4	120.5	0.205	205.3	26.3	0.027	0.249	27.0	99	94.1	0.222	0.23	222.31	232.4
20	13.6	96.4	0.161	158.8	27.7	0.028	0.039	27.6	34	142.6	0.332	0.23	327.52	231.1
21	13.2	81.3	0.140	133.3	31.5	0.033	0.033	31.4	31	73.2	0.175	0.24	166.57	238.8
22	12.9	111.4	0.196	186.2	28.1	0.030	0.031	28.5	31	24.9	0.061	0.19	57.96	184.0
23	12.7	110.0	0.197	188.6	26.5	0.029	0.031	27.8	30	34.5	0.086	0.11	82.34	102.3
Average	11.1	99.9	0.188	154.9	217.2	0.613		194		53.9	0.13		124.3	
Total				2167.9				2715					1740.2	
30-Day Rlg			0.16	154.1							0.18			



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 August 31, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	12.9	106.7	0.188	183.4	25.4	0.027	0.030	26.3	29	70.5	0.173	0.11	168.74	103.0
01	13.1	101.6	0.176	171.9	25.8	0.027	0.029	26.4	28	99.7	0.241	0.17	235.36	162.1
02	13.2	97.5	0.168	164.3	25.4	0.027	0.029	26.4	28	76.5	0.183	0.20	178.97	194.4
03	13.1	79.8	0.139	134.6	28.0	0.030	0.029	29.1	28	76.1	0.184	0.20	178.24	197.5
04	13.1	91.1	0.158	152.8	27.6	0.029	0.029	28.1	28	54.2	0.131	0.17	126.72	161.3
05	12.8	108.9	0.194	188.5	23.5	0.025	0.028	24.3	27	42.6	0.105	0.14	102.05	135.7
06	12.8	101.2	0.180	176.0	22.1	0.024	0.027	23.5	26	76.6	0.189	0.14	184.82	137.9
07	13.0	81.1	0.142	138.6	24.6	0.026	0.027	25.4	26	125.2	0.305	0.20	297.62	194.8
08	13.3	69.0	0.118	115.3	26.1	0.027	0.027	26.4	26	96.7	0.230	0.24	224.73	235.7
09	12.9	100.4	0.177	172.9	23.0	0.025	0.027	24.4	26	26.0	0.064	0.20	62.52	195.0
10	12.9	97.7	0.172	169.7	22.1	0.024	0.026	23.7	26	54.1	0.133	0.14	131.19	139.5
11	13.2	100.5	0.173	175.2	20.4	0.021	0.025	21.3	25	114.9	0.275	0.16	278.52	157.4
12	13.3	102.6	0.175	177.9	20.0	0.021	0.024	21.3	24	97.0	0.231	0.21	234.81	214.8
13	13.3	92.2	0.158	159.4	21.3	0.022	0.024	22.2	24	120.8	0.288	0.26	290.48	267.9
14	13.2	100.6	0.173	172.6	22.2	0.023	0.024	22.9	23	21.5	0.052	0.19	51.86	192.4
15	13.2	97.6	0.168	168.6	22.8	0.024	0.023	24.1	23	17.6	0.042	0.13	42.15	128.2
16	13.2	102.1	0.176	176.6	23.7	0.025	0.023	25.1	23	14.0	0.034	0.04	34.12	42.7
17	13.2	87.0	0.150	150.5	22.9	0.024	0.023	24.1	23	52.2	0.125	0.07	125.44	67.2
18	13.4	81.8	0.139	139.8	23.9	0.025	0.023	25.1	23	86.9	0.205	0.12	206.19	121.9
19	13.2	94.9	0.163	163.6	22.0	0.023	0.023	23.1	23	48.8	0.117	0.15	117.40	149.7
20	13.1	74.7	0.130	128.0	24.5	0.026	0.024	25.6	24	39.0	0.094	0.14	92.52	138.7
21	12.9	89.1	0.157	154.1	20.4	0.022	0.024	21.6	24	48.2	0.118	0.11	115.85	108.6
22	12.9	87.3	0.154	153.0	24.6	0.026	0.024	25.8	24	72.1	0.177	0.13	175.88	128.1
23	12.6	91.0	0.164	159.8	26.5	0.029	0.025	28.3	25	122.2	0.307	0.20	299.17	197.0
Average	13.1	93.2	0.162	160.3	23.7	0.025		25		68.9	0.17		164.8	
Total				3847.1				595					3955.4	
30-Day Rlg			0.16	155.8							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 1, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	12.2	92.5	0.172	160.8	30.7	0.035	0.026	32.7	26	71.1	0.184	0.22	172.02	215.7
01	12.4	74.5	0.137	129.6	32.3	0.036	0.028	34.0	27	107.5	0.274	0.26	259.15	243.4
02	12.1	82.7	0.155	142.9	32.0	0.037	0.029	34.1	28	52.9	0.138	0.20	127.21	186.1
03	12.2	78.3	0.146	136.9	34.1	0.039	0.031	36.6	30	97.6	0.253	0.22	237.19	207.9
04	12.0	81.9	0.155	143.5	33.4	0.039	0.033	36.1	31	34.7	0.092	0.16	85.15	149.9
05	11.8	82.4	0.159	147.3	33.7	0.040	0.035	37.1	33	8.8	0.024	0.12	22.24	114.9
06	11.9	77.8	0.149	138.1	34.1	0.040	0.037	37.1	35	53.6	0.143	0.09	132.50	80.0
07	12.3	70.9	0.131	120.9	33.2	0.037	0.038	34.1	35	88.0	0.227	0.13	209.48	121.4
08	12.2	70.1	0.131	121.2	32.0	0.036	0.038	33.3	35	53.7	0.139	0.17	128.63	156.9
09	12.0	72.3	0.137	127.0	32.4	0.037	0.038	34.3	35	56.5	0.149	0.17	138.08	158.7
10	12.2	69.8	0.130	120.3	32.9	0.037	0.038	34.2	35	103.2	0.268	0.19	248.06	171.6
11	12.1	75.9	0.143	132.2	32.1	0.037	0.038	34.2	35	49.4	0.129	0.18	119.25	168.5
12	11.9	90.2	0.173	159.0	30.8	0.036	0.038	33.1	35	22.8	0.061	0.15	56.07	141.1
13	11.8	85.3	0.164	150.6	32.7	0.038	0.037	34.9	34	49.6	0.133	0.11	122.09	99.1
14	11.6	80.0	0.157	144.6	33.6	0.040	0.037	36.8	34	20.4	0.056	0.08	51.58	76.6
15	11.2	59.0	0.120	102.6	46.9	0.058	0.040	49.6	36	5.9	0.017	0.07	14.53	62.7
16	11.4	44.8	0.089	75.6	48.4	0.059	0.043	50.1	38	4.7	0.013	0.03	11.05	25.7
17	11.2	51.4	0.104	90.5	42.6	0.053	0.045	46.1	40	7.2	0.020	0.02	17.41	14.3
18	11.8	46.9	0.090	84.2	34.9	0.041	0.045	38.4	40	43.9	0.118	0.05	110.38	46.3
19	12.1	58.9	0.111	105.8	29.5	0.034	0.045	32.4	40	78.9	0.206	0.11	196.28	108.0
20	12.0	69.4	0.132	124.8	28.0	0.032	0.044	30.3	40	53.7	0.142	0.16	134.28	147.0
21	12.2	57.1	0.106	99.9	30.9	0.035	0.044	33.0	40	87.1	0.226	0.19	212.89	181.2
22	12.2	66.9	0.125	116.6	30.4	0.035	0.043	32.6	39	58.0	0.150	0.17	139.86	162.3
23	11.8	77.2	0.149	138.9	29.1	0.034	0.040	31.7	37	44.8	0.120	0.17	111.89	154.9
Average	11.9	71.5	0.136	125.6	33.8	0.039		36		52.3	0.14		127.4	
Total				3013.8				867					3057.3	
30-Day Rlg			0.16	155.4							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 2, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	11.8	78.3	0.151	141.9	31.2	0.037	0.038	34.8	35	67.5	0.181	0.15	170.07	140.6
01	12.1	78.8	0.148	143.9	33.4	0.038	0.036	37.0	34	72.8	0.190	0.16	184.78	155.6
02	12.1	81.4	0.153	146.7	31.8	0.036	0.035	34.5	33	45.2	0.118	0.16	113.11	156.0
03	12.0	80.1	0.152	146.1	35.9	0.041	0.036	39.4	34	24.9	0.066	0.12	63.45	120.4
04	12.6	60.4	0.109	107.8	36.1	0.040	0.037	39.6	35	72.3	0.182	0.12	179.96	118.8
05	12.5	69.5	0.127	125.9	32.8	0.036	0.037	35.7	36	40.9	0.104	0.12	103.08	115.5
06	12.3	75.7	0.140	138.8	31.7	0.036	0.037	35.7	36	45.4	0.117	0.13	115.97	133.0
07	12.4	67.4	0.124	123.8	30.4	0.034	0.037	33.9	36	91.6	0.234	0.15	233.63	150.9
08	12.9	74.0	0.131	133.6	27.6	0.030	0.036	30.6	36	119.8	0.294	0.22	299.88	216.5
09	12.7	79.9	0.143	141.9	28.8	0.031	0.036	30.8	35	59.8	0.149	0.23	147.87	227.1
10	12.4	60.1	0.110	107.1	33.6	0.038	0.036	37.0	35	20.4	0.052	0.17	50.61	166.1
11	12.5	54.8	0.100	97.7	33.7	0.037	0.035	36.1	35	50.7	0.128	0.11	125.03	107.8
12	12.6	54.7	0.099	97.8	30.1	0.033	0.034	32.6	34	96.0	0.241	0.14	238.01	137.9
13	12.8	63.8	0.113	112.7	27.7	0.030	0.034	29.9	33	78.4	0.194	0.19	193.46	185.5
14	12.7	67.2	0.120	119.8	29.0	0.032	0.033	31.9	33	61.8	0.154	0.20	153.75	195.1
15	12.9	56.6	0.100	99.6	30.8	0.033	0.033	32.9	33	90.3	0.222	0.19	221.11	189.4
16	12.8	56.1	0.100	99.5	30.5	0.033	0.033	32.8	33	69.5	0.172	0.18	171.11	182.0
17	12.9	65.9	0.116	116.4	28.0	0.030	0.033	30.1	33	80.4	0.197	0.20	197.63	196.6
18	13.4	70.3	0.119	121.8	27.8	0.029	0.032	29.7	32	95.1	0.225	0.20	230.31	199.7
19	13.4	77.6	0.132	136.2	26.2	0.027	0.031	27.9	31	93.2	0.220	0.21	227.04	218.3
20	13.3	65.9	0.113	113.6	29.4	0.031	0.031	31.2	31	62.7	0.149	0.20	149.83	202.4
21	13.2	76.9	0.133	134.1	25.8	0.027	0.030	27.2	30	59.8	0.143	0.17	144.14	173.7
22	13.2	77.2	0.133	134.7	28.9	0.030	0.030	30.4	30	100.8	0.242	0.18	245.10	179.7
23	13.3	71.7	0.123	125.0	31.2	0.032	0.030	32.5	30	95.0	0.226	0.20	229.71	206.3
<b>Average</b>	12.7	69.3	0.125	123.6	30.5	0.033		33		70.6	0.18		174.5	
<b>Total</b>				2966.4				794					4188.6	
<b>30-Day Rlg</b>			0.16	154.4							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 3, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.2	67.9	0.117	118.5	34.5	0.036	0.030	36.5	31	55.8	0.134	0.20	135.72	203.5
01	13.0	69.0	0.121	122.1	33.5	0.036	0.031	36.3	31	60.5	0.147	0.17	148.35	171.3
02	13.0	67.0	0.117	117.9	34.0	0.036	0.032	36.3	32	79.6	0.194	0.16	195.55	159.9
03	13.0	68.1	0.119	120.0	32.8	0.035	0.033	35.3	33	67.5	0.164	0.17	165.31	169.7
04	12.8	80.6	0.143	144.1	31.2	0.034	0.033	34.3	34	41.5	0.103	0.15	103.82	154.9
05	12.8	66.5	0.118	118.9	32.9	0.036	0.034	36.3	35	72.5	0.179	0.15	180.43	149.9
06	12.9	66.6	0.118	119.7	30.6	0.033	0.035	33.5	35	78.1	0.192	0.16	194.69	159.6
07	13.0	72.9	0.128	131.6	27.6	0.029	0.034	29.8	35	84.9	0.207	0.19	212.88	196.0
08	13.1	67.3	0.117	120.5	28.1	0.030	0.034	30.9	34	101.5	0.245	0.21	252.25	219.9
09	13.0	70.5	0.123	126.2	32.2	0.034	0.033	34.9	34	52.1	0.127	0.19	130.30	198.5
10	13.0	73.2	0.128	131.3	33.4	0.036	0.033	36.9	34	81.8	0.199	0.19	204.17	195.6
11	13.2	73.6	0.127	132.4	31.7	0.033	0.033	34.4	34	97.8	0.235	0.19	245.06	193.2
12	13.4	60.9	0.103	106.8	34.0	0.035	0.033	36.3	34	85.3	0.202	0.21	209.43	219.6
13	13.2	68.4	0.118	122.3	36.2	0.038	0.034	39.4	35	55.6	0.133	0.19	137.89	197.5
14	13.1	68.7	0.119	123.4	34.8	0.037	0.034	38.4	35	76.2	0.184	0.17	190.77	179.4
15	13.1	67.2	0.117	121.3	33.4	0.035	0.035	36.3	36	84.0	0.203	0.17	210.47	179.7
16	12.7	74.1	0.133	131.4	28.6	0.031	0.035	30.6	36	96.5	0.241	0.21	238.01	213.1
17	12.7	67.3	0.121	113.1	35.6	0.039	0.036	36.5	36	71.3	0.178	0.21	166.39	205.0
18	12.8	69.0	0.123	114.8	38.2	0.041	0.036	38.3	36	38.2	0.094	0.17	87.76	164.1
19	12.5	82.9	0.151	141.2	36.4	0.040	0.037	37.4	37	16.2	0.041	0.10	38.33	97.5
20	12.6	77.0	0.139	129.8	35.2	0.039	0.038	36.4	37	8.4	0.021	0.05	19.61	48.6
21	12.5	75.3	0.137	127.9	31.9	0.035	0.037	32.7	36	6.8	0.017	0.03	15.87	24.6
22	12.7	72.6	0.130	123.7	34.5	0.038	0.037	36.2	36	19.7	0.049	0.03	46.63	27.4
23	12.9	72.9	0.129	125.9	36.4	0.039	0.038	38.0	36	49.2	0.121	0.06	118.05	60.2
Average	12.9	70.8	0.125	124.4	33.2	0.036		35		61.7	0.15		152.0	
Total				2984.8				852					3647.7	
30-Day Rlg			0.15	153.1							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 4, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rtg	CO lbs	CO lbs 8-Hr Rtg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rtg	SO2 lbs	SO2 lbs 3-Hr Rtg
00	13.0	71.4	0.125	123.0	32.1	0.034	0.038	33.5	36	94.4	0.230	0.13	226.32	130.3
01	13.1	67.1	0.117	115.1	32.2	0.034	0.038	33.5	36	71.8	0.174	0.18	171.22	171.9
02	12.8	69.2	0.123	112.8	35.7	0.039	0.037	35.8	35	34.4	0.085	0.16	77.93	158.5
03	12.3	63.0	0.117	99.7	51.0	0.057	0.039	48.6	37	8.0	0.021	0.09	17.89	89.0
04	12.8	76.4	0.136	128.4	41.0	0.044	0.040	41.6	37	74.9	0.185	0.10	174.71	90.2
05	13.2	87.4	0.151	149.7	30.2	0.032	0.040	31.7	37	60.9	0.146	0.12	144.72	112.4
06	13.2	97.9	0.169	170.4	26.0	0.027	0.038	27.2	36	68.6	0.165	0.17	166.32	161.9
07	13.3	91.7	0.157	158.3	28.7	0.030	0.037	30.2	35	67.5	0.161	0.16	162.29	157.8
08	13.3	92.3	0.158	159.3	30.0	0.031	0.037	31.2	35	49.3	0.117	0.15	117.94	148.9
09	13.2	92.2	0.159	162.0	30.0	0.031	0.036	31.6	35	77.2	0.185	0.15	188.52	156.3
10	13.6	85.3	0.143	146.8	31.9	0.033	0.036	33.9	35	75.8	0.176	0.16	180.63	162.4
11	13.6	95.4	0.160	164.2	30.4	0.031	0.032	31.8	32	78.3	0.182	0.18	186.79	185.3
12	13.6	92.7	0.155	158.3	32.1	0.033	0.031	33.7	31	60.0	0.140	0.17	143.01	170.1
13	13.1	102.1	0.177	176.3	31.1	0.033	0.031	32.9	32	36.5	0.088	0.14	87.67	139.2
14	13.5	95.8	0.161	164.7	31.8	0.033	0.032	33.7	32	96.3	0.226	0.15	231.13	153.9
15	13.6	100.6	0.168	172.4	31.2	0.032	0.032	32.8	33	76.6	0.178	0.16	182.68	167.2
16	13.7	95.4	0.158	162.2	31.0	0.031	0.032	31.8	33	105.2	0.243	0.22	249.39	221.1
17	13.7	97.5	0.162	166.3	30.3	0.031	0.032	31.8	33	87.7	0.203	0.21	208.34	213.5
18	13.9	94.9	0.155	158.5	31.2	0.031	0.032	31.7	33	145.5	0.331	0.26	338.51	265.4
19	13.7	114.6	0.190	191.1	30.8	0.031	0.032	31.2	32	76.5	0.177	0.24	178.04	241.6
20	13.2	102.1	0.176	175.3	26.8	0.028	0.031	27.9	32	40.2	0.096	0.20	95.64	204.1
21	13.0	90.7	0.159	154.6	38.1	0.041	0.032	39.9	33	37.8	0.092	0.12	89.45	121.0
22	13.0	75.3	0.132	124.7	44.4	0.047	0.034	44.4	34	43.4	0.106	0.10	100.14	95.1
23	13.0	81.1	0.142	134.1	44.4	0.047	0.036	44.4	35	44.5	0.108	0.10	102.03	97.2
Average	13.3	88.8	0.152	151.2	33.4	0.035		34		67.1	0.16		159.2	
Total				3628.2				827					3821.3	
30-Day Rtg			0.15	152.6							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 5, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.0	81.2	0.142	134.5	41.9	0.045	0.038	42.6	37	42.9	0.104	0.11	98.50	100.2
01	12.9	78.1	0.138	131.0	38.3	0.041	0.039	38.9	38	58.7	0.144	0.12	136.73	112.4
02	13.0	61.4	0.107	101.9	38.8	0.041	0.040	39.0	39	104.4	0.254	0.17	241.78	159.0
03	13.2	64.8	0.112	107.7	45.5	0.048	0.042	46.2	40	97.1	0.233	0.21	224.03	200.8
04	13.5	67.2	0.113	111.5	43.4	0.045	0.044	44.4	42	136.7	0.320	0.27	315.74	260.5
05	13.5	91.4	0.154	154.7	37.1	0.038	0.044	38.2	42	73.7	0.173	0.24	173.81	237.9
06	13.4	99.3	0.169	170.8	33.3	0.034	0.042	34.4	41	63.2	0.149	0.21	150.59	213.4
07	13.5	98.4	0.166	167.4	32.3	0.033	0.041	33.3	40	90.3	0.212	0.18	213.76	179.4
08	13.9	85.7	0.140	141.5	35.4	0.035	0.039	35.4	39	117.5	0.267	0.21	269.86	211.4
09	12.6	65.0	0.117	117.8	34.4	0.038	0.039	38.3	39	65.6	0.165	0.21	166.17	216.6
10	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint
11	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint
12	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint	Maint
13	14.2	102.5	0.164	166.5	31.1	0.030	Maint	30.5	Maint	143.8	0.321	Maint	325.88	Maint
14	14.2	89.8	0.144	147.2	34.5	0.034	Maint	34.8	Maint	81.8	0.182	Maint	186.08	Maint
15	14.1	98.9	0.160	164.0	34.4	0.034	Maint	34.9	Maint	68.0	0.153	0.22	156.84	222.9
16	14.0	103.5	0.168	172.2	32.4	0.032	Maint	32.8	Maint	74.5	0.168	0.17	172.22	171.7
17	14.0	103.5	0.168	172.2	32.4	0.032	Maint	32.8	Maint	78.6	0.178	0.17	182.47	170.5
18	13.8	104.1	0.172	176.3	31.2	0.031	Maint	31.8	Maint	79.7	0.183	0.18	187.59	180.8
19	13.7	104.8	0.174	178.2	30.6	0.031	Maint	31.7	Maint	72.9	0.168	0.18	172.02	180.7
20	13.2	110.4	0.190	189.1	31.1	0.033	0.032	32.8	33	20.3	0.049	0.13	48.76	136.1
21	12.7	105.0	0.188	179.2	41.1	0.045	0.034	42.9	34	3.9	0.010	0.08	9.53	76.8
22	12.6	80.1	0.145	137.2	43.3	0.048	0.036	45.4	36	4.5	0.011	0.02	10.40	22.9
23	12.6	71.2	0.128	119.8	44.4	0.049	0.038	45.9	37	7.5	0.019	0.01	17.79	12.6
Average	13.4	88.9	0.150	149.6	36.5	0.038		37		70.7	0.16		164.8	
Total				3140.7				787					3460.6	
30-Day Rlg			0.15	152.1							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 6, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	12.5	66.6	0.121	111.3	46.4	0.051	0.040	46.9	39	7.0	0.018	0.02	16.55	14.9
01	12.6	56.4	0.102	94.0	47.8	0.052	0.043	48.9	41	13.5	0.034	0.02	31.34	21.9
02	12.5	56.4	0.103	95.3	46.3	0.051	0.045	47.2	43	21.8	0.055	0.04	50.90	32.9
03	12.5	46.7	0.085	79.1	45.8	0.051	0.048	47.4	45	32.9	0.083	0.06	77.21	53.2
04	12.5	54.0	0.098	88.0	49.8	0.055	0.050	49.4	47	23.9	0.060	0.07	53.87	60.7
05	12.5	48.6	0.088	78.6	52.9	0.059	0.052	52.7	48	25.6	0.065	0.07	58.05	63.0
06	13.1	55.3	0.096	92.3	48.7	0.051	0.052	49.0	48	69.4	0.168	0.10	161.53	91.2
07	13.4	80.1	0.136	131.7	47.5	0.049	0.052	47.5	49	78.7	0.186	0.14	180.18	133.3
08	13.9	79.7	0.130	130.2	43.5	0.043	0.051	42.7	48	109.0	0.248	0.20	246.46	196.1
09	12.8	103.1	0.183	166.2	43.0	0.046	0.051	41.8	47	4.7	0.012	0.15	10.90	145.8
10	13.2	67.5	0.116	110.0	42.3	0.044	0.050	41.7	47	56.2	0.135	0.13	128.02	128.5
11	14.2	97.8	0.157	155.7	40.9	0.040	0.048	39.7	46	91.8	0.204	0.12	203.26	114.1
12	14.4	93.0	0.147	146.3	39.0	0.038	0.046	37.8	44	133.4	0.293	0.21	291.56	207.6
13	14.3	103.5	0.165	163.2	39.4	0.038	0.044	37.6	42	69.0	0.153	0.22	151.33	215.4
14	14.4	114.8	0.181	180.5	35.2	0.034	0.042	33.9	40	106.6	0.234	0.23	233.42	225.4
15	14.4	115.9	0.183	182.5	35.6	0.034	0.040	33.9	39	89.4	0.196	0.19	196.51	193.8
16	14.3	99.2	0.158	159.9	35.1	0.034	0.039	34.4	38	80.8	0.179	0.20	181.13	203.7
17	14.4	84.4	0.133	134.7	35.0	0.034	0.037	34.4	37	100.5	0.221	0.20	223.90	200.5
18	14.5	70.0	0.110	111.4	38.0	0.036	0.036	36.5	36	108.6	0.237	0.21	240.10	215.0
19	14.6	83.2	0.130	131.7	39.2	0.037	0.036	37.5	36	100.4	0.217	0.23	220.86	228.3
20	14.5	109.7	0.172	172.0	37.0	0.035	0.035	35.0	35	58.9	0.129	0.19	128.99	196.7
21	13.5	152.0	0.256	242.8	45.8	0.047	0.036	44.6	36	1.9	0.004	0.12	3.79	117.9
22	13.4	121.5	0.206	195.1	46.9	0.048	0.038	45.5	38	3.6	0.009	0.05	8.52	47.1
23	13.6	100.2	0.168	159.3	48.1	0.049	0.040	46.5	39	8.9	0.021	0.01	19.91	10.7
Average	13.6	85.8	0.143	138.0	42.9	0.044		42		58.2	0.13		129.9	
Total				3311.8				1013					3118.3	
30-Day Rlg			0.15	151.0							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 7, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.4	97.5	0.166	157.4	44.9	0.046	0.042	43.6	40	6.1	0.014	0.01	13.28	13.9
01	13.4	94.9	0.161	152.5	42.5	0.044	0.043	41.7	41	9.2	0.022	0.02	20.84	18.0
02	12.9	101.0	0.178	161.5	41.8	0.045	0.044	40.8	42	2.1	0.005	0.01	4.54	12.9
03	13.3	68.9	0.118	110.9	43.9	0.046	0.045	43.2	43	35.5	0.084	0.04	78.95	34.8
04	13.9	72.1	0.118	117.4	41.5	0.041	0.046	40.8	43	65.4	0.149	0.08	148.27	77.3
05	13.6	80.3	0.134	132.1	38.9	0.040	0.045	39.4	43	52.6	0.122	0.12	120.23	115.8
06	13.4	66.4	0.113	110.5	40.6	0.042	0.044	41.1	42	58.2	0.137	0.14	134.03	134.2
07	13.4	71.3	0.121	119.2	39.8	0.041	0.043	40.4	41	67.9	0.160	0.14	157.68	137.3
08	13.5	74.8	0.126	123.7	39.2	0.040	0.042	39.3	41	140.0	0.328	0.21	322.06	204.6
09	13.5	75.7	0.128	125.8	39.7	0.041	0.042	40.3	41	64.3	0.151	0.21	148.45	209.4
10	13.8	66.3	0.109	108.2	41.7	0.042	0.042	41.7	41	70.9	0.163	0.21	161.81	210.8
11	14.1	77.5	0.125	125.9	39.6	0.039	0.041	39.3	40	74.9	0.168	0.16	169.19	159.8
12	14.2	64.3	0.103	104.5	40.3	0.039	0.041	39.6	40	79.6	0.177	0.17	179.53	170.2
13	14.3	77.5	0.123	124.9	40.0	0.039	0.040	39.6	40	86.6	0.192	0.18	194.98	181.2
14	14.4	86.5	0.137	139.5	39.0	0.038	0.040	38.7	40	100.5	0.221	0.20	224.96	199.8
15	14.4	90.4	0.143	145.0	38.9	0.037	0.039	37.5	40	88.9	0.195	0.20	197.79	205.9
16	14.1	90.1	0.145	147.2	38.8	0.038	0.039	38.6	39	51.9	0.116	0.18	117.80	180.2
17	13.9	64.0	0.105	107.1	36.7	0.037	0.039	37.8	39	70.6	0.161	0.16	164.27	160.0
18	13.7	66.3	0.110	112.5	34.7	0.035	0.038	35.8	38	72.3	0.167	0.15	170.79	151.0
19	13.6	62.7	0.105	107.4	34.5	0.035	0.037	35.8	38	79.2	0.184	0.17	188.18	174.4
20	12.7	76.1	0.136	131.3	33.1	0.036	0.037	34.7	37	19.1	0.048	0.13	46.32	135.1
21	12.6	63.3	0.114	107.6	45.0	0.049	0.038	46.2	38	12.1	0.030	0.09	28.31	87.6
22	12.9	56.6	0.100	94.6	46.0	0.049	0.040	46.3	39	54.5	0.134	0.07	126.75	67.1
23	13.2	51.8	0.089	85.0	43.7	0.046	0.041	44.0	40	90.9	0.218	0.13	208.30	121.1
<b>Average</b>	13.6	74.8	0.125	123.0	40.2	0.041		40		60.6	0.14		138.6	
<b>Total</b>				2951.7				966					3327.3	
<b>30-Day Rlg</b>			0.15	149.9							0.17			



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 8, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rtg	CO lbs	CO lbs 8-Hr Rtg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rtg	SO2 lbs	SO2 lbs 3-Hr Rtg
00	13.1	50.3	0.087	83.1	44.3	0.047	0.042	44.9	41	69.5	0.168	0.17	160.52	165.2
01	13.0	53.1	0.093	88.9	42.7	0.045	0.043	43.0	41	73.0	0.178	0.19	170.08	179.6
02	13.0	54.7	0.096	91.6	39.7	0.042	0.044	40.1	42	98.3	0.239	0.20	228.13	186.2
03	12.9	51.2	0.090	86.1	39.6	0.042	0.045	40.2	42	57.9	0.142	0.19	135.85	178.0
04	13.0	57.3	0.100	95.9	37.0	0.039	0.045	37.4	43	74.5	0.181	0.19	173.60	179.2
05	13.0	61.2	0.107	103.5	35.9	0.038	0.044	36.8	42	85.6	0.208	0.18	201.24	170.2
06	13.1	79.3	0.138	138.3	33.4	0.035	0.042	35.1	40	44.5	0.107	0.17	107.25	160.7
07	12.8	75.8	0.135	134.3	32.4	0.035	0.040	34.8	39	59.0	0.146	0.15	145.28	151.3
08	12.8	74.7	0.133	133.6	31.1	0.034	0.039	34.2	38	88.1	0.218	0.16	219.02	157.2
09	13.0	70.3	0.123	125.2	34.5	0.037	0.038	37.7	37	86.3	0.210	0.19	213.76	192.7
10	13.4	80.6	0.137	140.9	37.9	0.039	0.037	40.1	37	73.3	0.173	0.20	177.97	203.6
11	13.6	97.4	0.163	171.0	35.4	0.036	0.037	37.8	37	85.3	0.198	0.19	207.72	199.8
12	13.6	89.1	0.149	154.7	36.6	0.037	0.036	38.4	37	74.4	0.173	0.18	179.63	188.4
13	13.5	96.5	0.163	169.4	33.4	0.034	0.036	35.3	37	63.8	0.150	0.17	155.93	181.1
14	13.5	92.3	0.155	161.5	31.7	0.033	0.036	34.4	37	92.7	0.217	0.18	226.09	187.2
15	13.6	90.3	0.151	158.1	30.3	0.031	0.035	32.4	36	87.3	0.203	0.19	212.48	198.2
16	13.6	93.7	0.157	165.1	30.2	0.031	0.035	32.6	36	84.8	0.197	0.21	207.15	215.2
17	13.8	96.8	0.160	168.2	32.1	0.032	0.034	33.6	36	84.0	0.193	0.20	202.94	207.5
18	13.7	93.7	0.156	164.0	31.5	0.032	0.033	33.6	35	77.1	0.178	0.19	187.17	199.1
19	13.8	79.5	0.131	137.3	34.3	0.034	0.033	35.6	34	88.3	0.202	0.19	211.68	200.6
20	13.3	87.7	0.150	150.3	31.5	0.033	0.033	33.1	34	27.2	0.065	0.15	65.15	154.7
21	13.1	97.2	0.169	167.2	36.5	0.039	0.033	38.6	34	48.1	0.116	0.13	114.74	130.5
22	13.3	94.0	0.161	158.3	38.9	0.040	0.034	40.3	35	94.7	0.225	0.14	221.20	133.7
23	13.0	97.8	0.171	164.8	37.1	0.040	0.035	38.6	36	36.9	0.090	0.14	86.75	140.9
Average	13.3	79.8	0.136	138.0	35.3	0.037		37		73.1	0.17		175.5	
Total				3311.3				889					4211.3	
30-Day Rtg			0.15	150.0							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 9, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.3	97.1	0.166	164.2	33.6	0.035	0.036	34.6	36	92.3	0.220	0.18	217.60	175.2
01	13.3	97.4	0.167	165.2	33.3	0.035	0.036	34.6	36	79.7	0.190	0.17	187.93	164.1
02	13.3	87.4	0.149	148.4	34.4	0.036	0.037	35.6	36	93.4	0.222	0.21	219.58	208.4
03	13.5	72.2	0.122	120.8	39.8	0.041	0.037	40.6	37	58.5	0.137	0.18	135.67	181.1
04	13.6	85.6	0.143	145.0	33.2	0.034	0.038	34.5	37	97.5	0.227	0.20	230.25	195.2
05	13.7	84.7	0.141	142.7	34.5	0.035	0.037	35.4	37	90.3	0.209	0.19	211.49	192.5
06	13.7	81.5	0.135	135.8	39.1	0.039	0.037	39.2	37	84.6	0.195	0.21	196.15	212.6
07	13.8	90.2	0.149	149.7	35.9	0.036	0.036	36.2	36	84.4	0.194	0.20	194.91	200.9
08	13.8	90.4	0.149	149.5	37.2	0.037	0.037	37.1	37	69.7	0.160	0.18	160.56	183.9
09	13.6	105.8	0.177	177.2	32.3	0.033	0.036	33.0	36	51.3	0.119	0.16	119.13	158.2
10	13.5	101.3	0.171	172.0	32.7	0.034	0.036	34.2	36	71.8	0.168	0.15	168.99	149.6
11	13.8	99.9	0.165	170.5	30.7	0.031	0.035	32.0	35	145.1	0.333	0.21	344.16	210.8
12	13.7	120.2	0.200	205.5	29.7	0.030	0.034	30.8	35	78.2	0.181	0.23	185.98	233.0
13	13.8	91.7	0.151	155.2	31.5	0.032	0.034	32.9	34	99.5	0.228	0.25	234.27	254.8
14	13.7	95.4	0.158	161.8	33.5	0.034	0.033	34.8	34	61.5	0.142	0.18	145.39	188.5
15	13.4	115.3	0.196	200.9	29.4	0.030	0.033	30.8	33	53.8	0.127	0.17	130.19	170.0
16	13.4	97.9	0.166	170.6	30.6	0.032	0.032	32.9	33	74.0	0.175	0.15	179.81	151.8
17	13.5	93.6	0.158	162.3	29.3	0.030	0.032	30.8	32	99.9	0.234	0.18	240.44	183.5
18	13.6	85.6	0.143	146.9	29.6	0.030	0.031	30.8	32	105.6	0.246	0.22	252.77	224.3
19	13.6	81.9	0.137	139.5	32.3	0.033	0.031	33.6	32	76.7	0.178	0.22	181.19	224.8
20	12.9	89.1	0.157	151.5	29.1	0.031	0.032	29.9	32	15.8	0.039	0.15	37.64	157.2
21	13.0	65.6	0.115	111.1	40.9	0.044	0.033	42.5	33	41.5	0.101	0.11	97.60	105.5
22	12.9	78.6	0.139	134.3	39.7	0.043	0.034	41.6	34	41.4	0.102	0.08	98.56	77.9
23	13.2	64.0	0.110	107.2	40.7	0.043	0.036	41.9	36	70.1	0.168	0.12	163.75	120.0
Average	13.5	90.5	0.153	153.7	33.9	0.035		35		76.5	0.18		180.6	
Total				3687.8				840					4334.0	
30-Day Rlg			0.15	149.9							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 10, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.3	69.7	0.119	117.1	36.7	0.038	0.037	37.4	36	77.7	0.185	0.15	182.10	148.1
01	13.4	66.2	0.112	110.6	37.4	0.039	0.038	38.5	37	78.9	0.186	0.18	183.75	176.5
02	13.2	80.2	0.138	135.5	34.0	0.036	0.038	35.3	38	59.6	0.143	0.17	140.41	168.8
03	13.5	66.2	0.112	109.6	37.4	0.038	0.039	37.2	38	94.7	0.222	0.18	217.18	180.4
04	13.3	83.5	0.143	139.9	38.2	0.040	0.040	39.1	39	37.5	0.089	0.15	87.07	148.2
05	13.1	80.5	0.140	135.6	34.5	0.036	0.039	34.9	38	63.3	0.153	0.15	148.21	150.8
06	13.3	73.6	0.126	122.2	34.9	0.036	0.038	34.9	37	78.7	0.187	0.14	181.37	138.9
07	13.1	76.3	0.132	128.7	37.1	0.039	0.038	38.0	37	71.8	0.173	0.17	168.62	166.1
08	13.3	72.1	0.123	119.4	35.2	0.037	0.038	35.9	37	95.8	0.228	0.20	221.39	190.5
09	13.3	76.5	0.131	127.5	34.9	0.036	0.037	35.0	36	53.2	0.127	0.18	123.58	171.2
10	12.2	193.8	0.361	305.1	53.4	0.061	0.040	51.5	38	31.4	0.081	0.15	68.44	137.8
11	13.6	111.2	0.186	187.1	36.7	0.037	0.040	37.2	38	116.5	0.271	0.16	272.60	154.9
12	13.8	98.4	0.162	162.6	36.3	0.036	0.040	36.1	38	106.7	0.245	0.20	245.86	195.6
13	13.7	129.8	0.215	215.8	35.7	0.036	0.040	36.1	38	48.2	0.111	0.21	111.39	210.0
14	13.8	120.4	0.198	198.7	34.1	0.034	0.040	34.1	38	59.4	0.136	0.16	136.48	164.6
15	13.8	139.4	0.230	230.8	33.2	0.033	0.039	33.1	37	41.8	0.096	0.11	96.34	114.7
16	13.8	151.8	0.250	250.9	33.2	0.033	0.038	33.1	37	29.4	0.067	0.10	67.23	100.0
17	13.7	133.8	0.222	222.8	31.5	0.032	0.038	32.1	37	24.0	0.055	0.07	55.19	72.9
18	13.4	106.2	0.180	179.8	32.3	0.033	0.034	33.0	34	36.1	0.085	0.07	84.89	69.1
19	13.3	87.5	0.150	148.7	33.7	0.035	0.034	34.7	34	67.5	0.161	0.10	159.63	99.9
20	13.3	87.0	0.149	144.0	34.4	0.036	0.034	34.8	34	53.5	0.127	0.12	122.72	122.4
21	13.2	82.0	0.141	136.1	32.6	0.034	0.034	32.8	33	78.0	0.187	0.16	180.47	154.3
22	13.3	95.4	0.163	159.1	38.4	0.040	0.035	39.0	34	55.8	0.133	0.15	129.79	144.3
23	13.4	81.1	0.138	134.7	39.9	0.041	0.036	40.0	35	99.7	0.235	0.19	229.34	179.9
Average	13.4	98.4	0.168	163.4	36.1	0.037		36		65.0	0.15		150.6	
Total				3922.3				874					3614.1	
30-Day Rlg			0.15	149.9							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 11, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.4	81.1	0.138	133.7	43.1	0.044	0.037	43.6	36	56.9	0.134	0.17	129.81	163.0
01	13.2	85.0	0.146	139.3	42.1	0.044	0.038	42.0	37	65.4	0.157	0.18	149.83	169.7
02	13.2	77.3	0.133	127.1	42.8	0.045	0.040	43.0	39	80.2	0.192	0.16	183.46	154.4
03	13.2	81.6	0.141	135.4	38.4	0.040	0.041	38.4	39	92.2	0.221	0.19	212.23	181.8
04	13.5	73.6	0.124	118.5	41.4	0.042	0.041	40.1	40	63.5	0.149	0.19	142.37	179.4
05	13.0	87.1	0.152	138.9	41.8	0.044	0.043	41.1	41	21.2	0.052	0.14	47.50	134.0
06	12.9	78.0	0.137	122.3	45.0	0.048	0.044	42.5	41	19.6	0.048	0.08	42.52	77.5
07	12.9	77.5	0.137	122.8	40.7	0.044	0.044	39.5	41	35.2	0.086	0.06	77.12	55.7
08	12.9	82.8	0.146	129.5	38.5	0.041	0.044	36.4	40	49.7	0.122	0.09	108.23	76.0
09	12.8	81.7	0.145	129.7	37.0	0.040	0.043	35.8	40	87.5	0.216	0.14	193.17	126.2
10	12.7	75.3	0.135	121.5	34.7	0.038	0.042	34.2	39	93.1	0.232	0.19	208.87	170.1
11	12.7	72.8	0.130	117.4	37.3	0.041	0.042	37.0	38	59.3	0.148	0.20	133.60	178.5
12	12.7	81.6	0.146	130.9	37.0	0.040	0.042	35.9	38	33.3	0.083	0.15	74.43	139.0
13	12.3	95.5	0.177	159.8	33.0	0.037	0.041	33.4	37	30.8	0.079	0.10	71.31	93.1
14	12.3	83.4	0.154	139.6	33.2	0.037	0.040	33.5	36	55.1	0.142	0.10	128.69	91.5
15	12.7	81.3	0.146	132.3	33.6	0.037	0.039	33.5	35	87.7	0.218	0.15	198.48	132.8
16	13.2	68.5	0.118	106.4	36.2	0.038	0.039	34.3	35	97.8	0.234	0.20	210.95	179.4
17	13.1	77.6	0.135	124.3	34.6	0.037	0.038	34.1	34	61.5	0.148	0.20	137.18	182.2
18	13.4	92.6	0.157	150.3	33.1	0.034	0.038	32.5	34	67.5	0.159	0.18	152.21	166.8
19	13.2	104.8	0.180	173.6	31.0	0.033	0.037	31.7	34	58.3	0.140	0.15	134.27	141.2
20	13.2	105.9	0.182	178.4	28.1	0.029	0.035	28.3	33	87.1	0.209	0.17	203.71	163.4
21	13.2	105.6	0.182	175.6	34.2	0.036	0.035	34.7	33	76.5	0.183	0.18	176.61	171.5
22	13.3	99.6	0.170	165.5	34.4	0.036	0.035	35.0	33	90.6	0.215	0.20	210.28	196.9
23	12.8	84.1	0.149	130.7	39.9	0.043	0.036	37.7	34	31.2	0.077	0.16	67.57	151.5
Average	13.0	84.8	0.148	137.6	37.1	0.040		37		62.6	0.15		141.4	
Total				3303.5				878					3394.4	
30-Day Rlg			0.15	148.8							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 12, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO			SO2 ppm	SO2		SO2 lbs 3-Hr Rlg		
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg	CO lbs		8-Hr Rlg	lb/mmBtu		SO2 lbs	
00	11.4	50.0	0.100	59.8	68.9	0.084	0.042	50.2	36	1.6	0.004	0.10	2.39	93.4
01	10.9	49.1	0.102	54.7	105.2	0.134	0.054	71.9	40	0.0	0.000	0.03	0.00	23.3
02	11.0	45.6	0.094	50.8	103.4	0.130	0.066	70.2	45	0.0	0.000	0.00	0.00	0.8
03	10.9	44.2	0.092	50.4	107.3	0.136	0.079	74.5	50	0.0	0.000	0.00	0.00	0.0
04	11.2	35.5	0.072	39.6	138.9	0.172	0.096	94.6	59	0.0	0.000	0.00	0.00	0.0
05	11.4	37.8	0.075	45.8	111.9	0.136	0.109	83.1	65	0.0	0.000	0.00	0.00	0.0
06	12.8	63.4	0.113	102.7	64.3	0.070	0.113	63.6	68	64.9	0.160	0.05	145.39	48.5
07	13.3	82.7	0.141	138.6	40.4	0.042	0.113	41.3	69	69.9	0.166	0.11	163.19	102.9
08	13.3	90.2	0.154	152.1	37.5	0.039	0.107	38.5	67	54.9	0.131	0.15	129.41	146.0
09	13.3	81.3	0.139	136.5	38.0	0.040	0.096	39.3	63	69.4	0.165	0.15	162.01	151.5
10	13.3	81.1	0.139	135.8	38.4	0.040	0.084	39.1	59	71.7	0.171	0.16	167.08	152.8
11	13.5	99.7	0.168	168.6	37.1	0.038	0.072	38.1	55	80.6	0.189	0.18	189.66	172.9
12	13.4	114.7	0.195	195.7	35.3	0.036	0.055	36.1	47	46.4	0.109	0.16	110.39	155.7
13	13.7	96.3	0.160	160.8	36.4	0.037	0.043	37.2	42	117.7	0.272	0.19	273.28	191.1
14	13.8	99.2	0.163	163.8	37.2	0.037	0.039	37.2	38	96.5	0.221	0.20	222.04	201.9
15	13.6	121.6	0.203	205.4	35.6	0.036	0.038	36.4	38	55.7	0.130	0.21	131.55	209.0
16	13.3	133.3	0.228	231.0	33.5	0.035	0.037	35.5	37	54.5	0.130	0.16	131.70	161.8
17	13.3	110.3	0.188	191.5	33.4	0.035	0.037	35.5	37	91.8	0.218	0.16	220.86	161.4
18	13.7	104.6	0.174	176.5	34.0	0.034	0.036	34.5	36	109.9	0.254	0.20	257.63	203.4
19	13.6	112.4	0.188	190.0	34.1	0.035	0.036	35.4	36	66.3	0.154	0.21	155.65	211.4
20	13.4	112.8	0.191	187.1	33.1	0.034	0.035	33.3	36	50.8	0.120	0.18	117.54	176.9
21	13.4	97.7	0.166	162.6	33.4	0.034	0.035	33.3	35	85.8	0.203	0.16	198.84	157.3
22	13.7	79.2	0.131	128.0	36.4	0.037	0.035	36.2	35	95.1	0.220	0.18	214.96	177.1
23	13.6	92.9	0.155	151.5	34.3	0.035	0.035	34.2	35	61.4	0.143	0.19	139.73	184.5
Average	12.9	84.8	0.147	136.6	54.5	0.062		47		56.0	0.13		130.6	
Total				3279.3				1129					3133.3	
30-Day Rlg			0.15	148.0							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 13, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.5	79.8	0.134	129.2	35.1	0.036	0.035	34.7	35	68.3	0.160	0.17	154.22	169.6
01	13.4	76.5	0.130	125.2	32.4	0.034	0.035	32.7	34	87.2	0.206	0.17	198.32	164.1
02	13.4	84.1	0.143	137.8	38.6	0.040	0.036	38.6	35	83.5	0.197	0.19	189.89	180.8
03	13.3	75.0	0.128	123.5	34.8	0.036	0.036	34.7	35	73.1	0.174	0.19	167.93	185.4
04	13.3	85.0	0.145	139.8	34.3	0.036	0.036	34.7	35	59.5	0.142	0.17	136.87	164.9
05	13.2	97.8	0.168	163.5	31.6	0.033	0.036	32.1	35	78.2	0.188	0.17	183.02	162.6
06	13.3	89.4	0.153	148.4	29.9	0.031	0.035	30.1	34	88.7	0.211	0.18	204.65	174.8
07	13.4	90.2	0.153	148.6	29.7	0.031	0.035	30.1	33	119.1	0.281	0.23	272.94	220.2
08	13.2	96.8	0.167	162.3	28.8	0.030	0.034	29.2	33	69.9	0.168	0.22	163.25	213.6
09	13.5	76.4	0.129	126.5	32.1	0.033	0.034	32.4	33	105.3	0.247	0.23	242.23	226.1
10	13.4	84.5	0.143	140.6	32.3	0.033	0.033	32.4	32	62.0	0.146	0.19	143.53	183.0
11	13.5	105.5	0.178	179.7	29.1	0.030	0.032	30.3	31	75.6	0.177	0.19	178.68	188.1
12	13.6	92.8	0.155	154.4	30.2	0.031	0.032	30.9	31	85.3	0.198	0.17	198.26	173.5
13	13.5	99.3	0.167	167.6	29.5	0.030	0.031	30.1	31	70.4	0.165	0.18	165.58	180.8
14	13.5	93.6	0.158	158.6	29.9	0.031	0.031	31.1	31	81.6	0.191	0.18	191.67	185.2
15	13.4	113.4	0.193	193.1	27.9	0.029	0.031	29.2	31	55.5	0.131	0.16	131.77	163.0
16	13.3	115.8	0.198	198.7	25.7	0.027	0.031	27.1	30	74.4	0.177	0.17	177.62	167.0
17	13.6	87.1	0.146	145.8	29.4	0.030	0.030	30.0	30	127.6	0.297	0.20	296.61	202.0
18	13.5	91.8	0.155	154.6	29.2	0.030	0.030	29.9	30	83.7	0.196	0.22	195.51	223.2
19	13.3	112.0	0.192	192.4	27.2	0.028	0.030	28.1	30	63.2	0.150	0.21	150.35	214.2
20	13.2	104.3	0.180	175.7	27.4	0.029	0.029	28.3	29	69.6	0.167	0.17	162.98	169.6
21	13.2	98.4	0.170	165.7	27.3	0.029	0.029	28.3	29	87.6	0.210	0.18	204.69	172.7
22	13.3	75.1	0.128	125.2	30.3	0.032	0.029	31.3	29	96.8	0.230	0.20	225.01	197.6
23	13.2	85.9	0.148	145.0	30.2	0.032	0.030	31.3	29	98.9	0.237	0.23	232.14	220.6
Average	13.4	92.1	0.157	154.2	30.5	0.032		31		81.9	0.19		190.3	
Total				3701.9				748					4567.7	
30-Day Rlg			0.15	147.5							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 14, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.3	94.4	0.161	157.7	31.2	0.032	0.030	31.3	30	71.7	0.171	0.21	167.49	208.2
01	13.0	96.4	0.169	165.5	30.0	0.032	0.031	31.3	30	43.9	0.107	0.17	104.81	168.1
02	12.9	89.8	0.158	154.8	30.0	0.032	0.031	31.3	30	69.5	0.170	0.15	166.52	146.3
03	13.1	69.5	0.121	118.5	30.9	0.033	0.031	32.3	31	110.1	0.266	0.18	260.55	177.3
04	13.1	84.8	0.147	144.0	30.0	0.032	0.032	31.3	31	53.7	0.130	0.19	127.34	184.8
05	13.0	75.4	0.132	128.5	34.8	0.037	0.033	36.0	32	80.3	0.195	0.20	189.83	192.6
06	13.1	84.0	0.146	143.7	34.9	0.037	0.033	36.4	33	85.2	0.206	0.18	202.77	173.3
07	13.0	99.4	0.174	171.5	32.5	0.035	0.034	34.5	33	78.8	0.192	0.20	189.22	193.9
08	13.1	96.4	0.167	165.4	32.3	0.034	0.034	33.7	33	80.8	0.195	0.20	193.11	195.0
09	13.1	91.1	0.158	156.5	32.3	0.034	0.034	33.7	34	93.3	0.225	0.20	222.82	201.7
10	13.3	80.4	0.138	136.8	34.3	0.036	0.035	35.7	34	95.5	0.227	0.22	225.07	213.7
11	13.4	88.5	0.150	150.7	32.1	0.033	0.035	33.2	34	88.3	0.209	0.22	209.98	219.3
12	13.3	110.3	0.189	191.9	28.1	0.029	0.034	29.4	34	77.2	0.184	0.21	186.85	207.3
13	13.4	111.3	0.189	191.5	28.3	0.029	0.033	29.4	33	101.7	0.240	0.21	243.14	213.3
14	13.6	90.6	0.152	152.5	31.2	0.032	0.033	32.1	33	99.1	0.231	0.22	231.81	220.6
15	13.6	88.6	0.148	148.0	31.5	0.032	0.032	32.0	32	87.5	0.204	0.23	203.98	226.3
16	13.6	94.4	0.158	158.6	30.5	0.031	0.032	31.1	32	78.6	0.183	0.21	183.64	206.5
17	13.4	111.6	0.189	189.7	27.9	0.029	0.031	29.1	32	56.2	0.133	0.17	133.47	173.7
18	13.5	98.3	0.166	166.0	28.7	0.029	0.031	29.0	31	114.4	0.268	0.19	267.97	195.0
19	13.5	104.7	0.176	175.5	28.4	0.029	0.030	28.8	30	68.4	0.160	0.19	158.64	186.7
20	13.5	96.8	0.163	158.5	30.1	0.031	0.030	30.1	30	60.7	0.142	0.19	138.07	188.2
21	13.4	104.5	0.177	171.2	29.2	0.030	0.030	29.0	30	65.3	0.154	0.15	149.00	148.6
22	13.2	110.2	0.190	183.8	28.5	0.030	0.030	29.0	30	56.1	0.134	0.14	129.65	138.9
23	13.1	116.1	0.202	195.4	27.8	0.029	0.030	28.1	29	70.5	0.170	0.15	164.48	147.7
Average	13.3	95.3	0.163	161.5	30.6	0.032		32		78.6	0.19		185.4	
Total				3876.2				758					4450.2	
30-Day Rlg			0.15	147.9							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 15, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO			SO2 ppm	SO2		SO2 lbs 3-Hr Rlg	SO2 lbs 3-Hr Rlg	
			lb/mmBtu	NOx lbs		lb/mmBtu	lb/mmBtu	8-Hr Rlg		CO lbs	8-Hr Rlg			lb/mmBtu
00	13.0	109.0	0.191	185.0	27.1	0.029	0.030	28.1	29	84.5	0.206	0.17	199.55	164.6
01	13.3	81.1	0.139	135.3	27.6	0.029	0.030	28.2	29	123.8	0.295	0.22	287.18	217.1
02	13.3	84.6	0.145	140.5	29.2	0.030	0.030	29.1	29	58.5	0.139	0.21	134.65	207.1
03	13.1	101.9	0.177	171.9	31.7	0.034	0.030	33.0	29	40.5	0.098	0.18	95.17	172.3
04	13.0	111.6	0.195	189.6	29.6	0.032	0.030	31.1	29	59.2	0.144	0.13	140.01	123.3
05	12.9	105.2	0.186	180.4	29.7	0.032	0.031	31.0	30	84.0	0.206	0.15	199.80	145.0
06	13.2	91.6	0.158	153.1	30.2	0.032	0.031	31.0	30	113.0	0.271	0.21	262.52	200.8
07	13.2	105.3	0.181	175.1	31.0	0.033	0.031	31.9	30	56.4	0.135	0.20	130.61	197.6
08	13.2	99.1	0.171	165.0	29.9	0.031	0.032	29.9	31	92.7	0.222	0.21	214.25	202.5
09	13.5	77.6	0.131	125.3	32.3	0.033	0.032	31.6	31	105.6	0.248	0.20	237.26	194.0
10	13.4	105.1	0.178	171.6	31.8	0.033	0.033	31.8	31	62.1	0.147	0.21	141.69	197.7
11	13.4	122.6	0.208	207.5	27.9	0.029	0.032	28.9	31	92.9	0.219	0.20	218.45	199.1
12	13.4	115.3	0.196	196.7	28.0	0.029	0.032	29.1	31	84.9	0.201	0.19	201.70	187.3
13	13.6	105.5	0.176	176.6	29.6	0.030	0.031	30.1	31	126.2	0.294	0.24	295.03	238.4
14	13.3	131.0	0.224	223.7	28.1	0.029	0.031	29.0	30	60.2	0.143	0.21	142.81	213.2
15	13.1	137.4	0.239	238.4	26.1	0.028	0.030	27.9	30	66.3	0.160	0.20	159.60	199.1
16	13.3	130.7	0.224	224.8	26.5	0.028	0.030	28.1	30	100.4	0.239	0.18	239.84	180.8
17	13.4	119.2	0.202	202.7	27.8	0.029	0.029	29.1	29	83.8	0.198	0.20	198.69	199.4
18	13.4	107.2	0.182	181.1	30.0	0.031	0.029	30.8	29	90.3	0.213	0.22	211.96	216.8
19	13.1	123.9	0.215	215.0	27.6	0.029	0.029	29.0	29	62.0	0.150	0.19	149.99	186.9
20	12.9	124.1	0.219	211.4	28.1	0.030	0.029	29.0	29	35.6	0.087	0.15	83.96	148.6
21	12.9	220.2	0.388	374.9	32.3	0.035	0.030	33.8	30	62.1	0.152	0.13	146.88	126.9
22	12.8	96.8	0.172	166.8	27.9	0.030	0.030	29.1	30	79.1	0.196	0.15	190.10	140.3
23	12.9	77.5	0.137	133.0	28.4	0.030	0.030	29.1	30	112.5	0.276	0.21	268.02	201.7
Average	13.2	111.8	0.193	189.4	29.1	0.031		30		80.7	0.19		189.6	
Total				4545.4				720					4549.7	
30-Day Rlg			0.15	149.8							0.17			



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 16, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	12.9	77.7	0.137	132.9	31.3	0.034	0.031	33.0	30	57.1	0.140	0.20	135.79	198.0
01	12.9	92.0	0.162	158.7	29.9	0.032	0.031	31.3	31	73.1	0.179	0.20	175.33	193.0
02	13.0	88.2	0.154	151.2	30.8	0.033	0.032	32.4	31	82.5	0.201	0.17	197.36	169.5
03	13.1	95.9	0.166	165.4	30.6	0.032	0.032	31.7	31	63.3	0.153	0.18	151.52	174.7
04	12.9	103.8	0.183	180.6	27.6	0.030	0.032	29.6	31	47.3	0.116	0.16	114.46	154.4
05	12.7	103.9	0.186	182.6	31.0	0.034	0.032	33.4	31	61.5	0.153	0.14	150.23	138.7
06	12.8	88.2	0.157	154.7	32.4	0.035	0.033	34.5	32	73.5	0.182	0.15	179.36	148.0
07	12.9	84.9	0.150	148.9	32.2	0.035	0.033	34.7	33	83.4	0.205	0.18	203.50	177.7
08	13.1	98.8	0.172	171.4	32.2	0.034	0.033	33.9	33	75.7	0.183	0.19	182.32	188.4
09	13.2	88.2	0.152	150.9	34.2	0.036	0.034	35.7	33	88.1	0.211	0.20	209.46	198.4
10	13.0	90.4	0.158	157.0	33.0	0.035	0.034	34.8	34	96.6	0.235	0.21	233.57	208.5
11	13.4	93.8	0.159	160.7	33.3	0.034	0.034	34.4	34	113.5	0.268	0.24	270.87	238.0
12	13.4	112.3	0.191	194.4	30.0	0.031	0.034	31.6	34	93.8	0.222	0.24	224.96	243.1
13	13.4	106.2	0.180	182.8	29.0	0.030	0.034	30.5	34	75.3	0.178	0.22	180.76	225.5
14	13.3	121.4	0.208	211.2	28.0	0.029	0.033	29.4	33	88.8	0.211	0.20	214.27	206.7
15	13.4	105.9	0.180	181.7	29.8	0.031	0.033	31.3	33	97.5	0.230	0.21	232.19	209.1
16	13.5	98.8	0.166	166.2	31.4	0.032	0.032	32.0	32	118.9	0.279	0.24	279.31	241.9
17	13.6	116.1	0.194	194.4	30.9	0.031	0.032	31.1	32	93.1	0.217	0.24	217.50	243.0
18	13.6	116.3	0.194	194.9	29.9	0.030	0.031	30.1	31	135.3	0.315	0.27	316.48	271.1
19	13.5	129.6	0.218	218.5	30.1	0.031	0.031	31.1	31	85.4	0.200	0.24	200.46	244.8
20	13.2	101.6	0.175	166.2	34.1	0.036	0.031	34.2	31	48.9	0.117	0.21	111.09	209.3
21	13.1	107.6	0.187	174.6	33.9	0.036	0.032	33.6	32	53.1	0.128	0.15	119.54	143.7
22	13.1	92.6	0.161	150.2	36.0	0.038	0.033	35.4	32	103.4	0.250	0.17	233.18	154.6
23	13.1	101.3	0.176	164.2	35.1	0.037	0.034	34.5	33	76.4	0.185	0.19	172.55	175.1
<b>Average</b>	13.2	100.6	0.174	171.4	31.5	0.033		33		82.7	0.20		196.1	
<b>Total</b>				4114.3				784					4706.1	
<b>30-Day Rlg</b>			0.15	150.3							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 17, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO lb/mmBtu 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.2	86.5	0.149	139.0	35.4	0.037	0.035	34.5	33	72.8	0.175	0.20	163.22	189.7
01	13.0	103.0	0.180	167.9	32.7	0.035	0.035	32.6	33	53.0	0.129	0.16	120.32	152.0
02	12.8	104.2	0.185	172.5	29.8	0.032	0.035	29.8	33	76.0	0.188	0.16	175.35	153.0
03	12.8	95.9	0.170	158.6	32.5	0.035	0.036	32.6	33	83.2	0.206	0.17	192.14	162.6
04	13.2	103.2	0.178	174.8	33.6	0.035	0.036	34.4	33	139.0	0.333	0.24	326.97	231.5
05	13.1	86.7	0.151	146.6	35.4	0.037	0.036	35.9	34	95.4	0.230	0.26	223.35	247.5
06	13.0	89.1	0.156	151.1	36.6	0.039	0.036	37.8	34	62.8	0.153	0.24	148.21	232.8
07	12.8	108.4	0.193	187.9	33.6	0.036	0.036	35.0	34	56.0	0.138	0.17	134.34	168.6
08	12.9	112.0	0.197	194.1	31.9	0.034	0.035	33.5	34	95.1	0.233	0.17	229.62	170.7
09	13.1	112.9	0.196	192.5	31.8	0.034	0.035	33.4	34	89.9	0.217	0.20	213.07	192.3
10	13.2	107.2	0.185	181.9	33.4	0.035	0.036	34.4	35	111.3	0.267	0.24	262.49	235.1
11	13.2	102.2	0.176	172.2	34.9	0.037	0.036	36.2	35	76.4	0.183	0.22	179.03	218.2
12	13.2	113.8	0.196	194.1	33.4	0.035	0.036	34.7	35	73.5	0.176	0.21	174.29	205.3
13	13.3	127.0	0.217	217.8	30.8	0.032	0.035	32.1	35	87.4	0.208	0.19	208.73	187.4
14	13.3	134.3	0.230	230.8	30.8	0.032	0.034	32.1	34	81.7	0.194	0.19	194.68	192.6
15	13.4	110.3	0.187	186.1	33.5	0.035	0.034	34.8	34	105.0	0.248	0.22	246.78	216.7
16	13.4	107.5	0.182	181.0	35.6	0.037	0.035	36.6	34	67.6	0.160	0.20	158.26	199.9
17	13.2	127.6	0.220	218.7	33.2	0.035	0.035	34.8	34	55.6	0.133	0.18	132.19	179.1
18	13.2	123.7	0.213	213.5	32.1	0.034	0.035	34.1	34	89.8	0.215	0.17	215.49	168.6
19	13.3	119.2	0.204	204.5	33.3	0.035	0.034	35.1	34	84.9	0.202	0.18	202.46	183.4
20	13.0	102.3	0.179	170.6	32.2	0.034	0.034	32.4	34	43.6	0.106	0.17	101.03	173.0
21	12.9	87.7	0.155	144.9	40.6	0.044	0.036	41.1	35	47.3	0.116	0.14	108.47	137.3
22	12.9	73.9	0.130	121.1	43.4	0.047	0.038	43.8	37	71.2	0.175	0.13	163.01	124.2
23	12.9	67.6	0.119	111.0	43.3	0.046	0.039	42.9	38	77.0	0.189	0.16	176.28	149.3
Average	13.1	104.4	0.181	176.4	34.3	0.036		35		79.0	0.19		185.4	
Total				4233.2				845					4449.8	
30-Day Rlg			0.15	151.4							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 18, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx lb/mmBtu	NOx lbs	CO ppm	CO lb/mmBtu	CO 8-Hr Rlg	CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2 lb/mmBtu	SO2 lb/mmBtu 3-Hr Rlg	SO2 lbs	SO2 lbs 3-Hr Rlg
00	13.1	82.4	0.143	140.6	41.1	0.043	0.040	42.3	38	83.5	0.202	0.19	198.59	179.3
01	13.2	81.4	0.140	138.3	39.7	0.042	0.041	41.5	39	70.3	0.169	0.19	166.96	180.6
02	13.2	80.2	0.138	136.7	39.7	0.042	0.042	41.6	40	79.5	0.191	0.19	189.15	184.9
03	13.2	92.1	0.159	157.6	33.2	0.035	0.042	34.7	40	55.8	0.134	0.16	132.86	163.0
04	13.3	100.8	0.172	170.3	32.2	0.034	0.042	33.7	40	77.1	0.184	0.17	182.22	168.1
05	13.3	99.4	0.170	168.6	31.7	0.033	0.040	32.7	39	78.6	0.187	0.17	185.41	166.8
06	13.4	92.3	0.157	156.2	31.6	0.033	0.039	32.8	38	95.3	0.225	0.20	223.90	197.2
07	13.6	79.3	0.133	132.5	33.5	0.034	0.037	33.9	37	105.8	0.246	0.22	245.09	218.1
08	13.6	84.6	0.142	138.4	34.3	0.035	0.036	34.4	36	75.4	0.176	0.22	171.83	213.6
09	13.5	109.7	0.185	183.2	31.1	0.032	0.035	31.7	34	57.0	0.134	0.19	132.70	183.2
10	13.4	108.6	0.184	183.3	29.7	0.031	0.033	30.9	33	90.6	0.214	0.17	213.21	172.6
11	13.7	111.8	0.186	188.7	30.1	0.030	0.033	30.4	33	95.8	0.221	0.19	224.16	190.0
12	13.7	118.1	0.196	198.8	29.0	0.029	0.032	29.4	32	87.1	0.201	0.21	203.87	213.7
13	13.7	111.0	0.184	186.4	30.5	0.031	0.032	31.4	32	86.3	0.199	0.21	201.61	209.9
14	13.7	107.8	0.179	180.5	31.1	0.031	0.032	31.3	32	77.6	0.179	0.19	180.49	195.3
15	13.6	107.9	0.181	180.8	31.2	0.032	0.031	32.2	31	70.1	0.163	0.18	163.77	182.0
16	13.6	104.8	0.175	175.8	32.0	0.033	0.031	33.2	31	77.7	0.181	0.17	181.85	175.4
17	13.5	108.3	0.182	183.1	31.0	0.032	0.031	32.2	31	64.2	0.151	0.17	151.89	165.8
18	13.2	125.6	0.216	217.3	28.0	0.029	0.031	29.2	31	48.8	0.117	0.15	117.69	150.5
19	13.3	95.7	0.164	164.6	30.6	0.032	0.031	32.1	31	111.0	0.264	0.18	264.92	178.2
20	13.3	83.7	0.143	141.3	29.1	0.030	0.031	29.6	31	62.4	0.149	0.18	147.20	176.6
21	13.3	92.7	0.159	155.1	32.8	0.034	0.032	33.4	32	73.5	0.175	0.20	171.83	194.7
22	13.3	98.4	0.168	166.2	33.9	0.035	0.032	34.6	32	58.2	0.139	0.15	137.48	152.2
23	13.3	88.5	0.151	149.9	33.2	0.035	0.033	34.7	32	93.0	0.221	0.18	219.39	176.2
Average	13.4	98.5	0.167	166.4	32.5	0.034		33		78.1	0.18		183.7	
Total				3994.2				804					4408.1	
30-Day Rlg			0.15	150.9							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 19, 2002

<i>Emission Limits</i>		
	<i>lb/mmBtu</i>	<i>lb/hr</i>
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO			SO2 ppm	SO2		SO2 lbs 3-Hr Rlg	SO2 lbs 3-Hr Rlg	
			lb/mmBtu	NOx lbs		CO lb/mmBtu	lb/mmBtu	8-Hr Rlg		CO lbs	lb/mmBtu			SO2 lbs
00	13.3	101.5	0.174	172.5	32.8	0.034	0.033	33.7	32	66.6	0.158	0.17	157.65	171.5
01	13.4	87.0	0.148	147.3	34.6	0.036	0.033	35.8	33	101.2	0.239	0.21	237.83	205.0
02	13.4	102.4	0.174	174.6	32.8	0.034	0.034	34.1	34	62.2	0.147	0.18	147.51	181.0
03	13.5	97.3	0.164	163.2	31.2	0.032	0.034	31.8	33	108.2	0.254	0.21	252.76	212.7
04	13.6	91.3	0.153	151.7	34.5	0.035	0.034	34.7	34	84.8	0.197	0.20	195.33	198.5
05	13.4	111.8	0.190	188.4	32.2	0.033	0.034	32.7	34	46.9	0.111	0.19	110.06	186.1
06	13.3	120.0	0.205	203.0	28.7	0.030	0.034	29.7	33	70.2	0.167	0.16	165.38	156.9
07	13.6	284.8	0.476	474.1	33.2	0.034	0.034	33.8	33	93.0	0.216	0.16	214.68	163.4
08	13.6	212.5	0.355	351.7	33.2	0.034	0.034	33.6	33	69.0	0.161	0.18	159.05	179.7
09	13.5	126.3	0.213	209.4	32.1	0.033	0.033	32.4	33	72.1	0.169	0.18	166.14	180.0
10	13.5	299.5	0.505	502.5	33.7	0.035	0.033	34.8	33	65.2	0.153	0.16	152.25	159.1
11	13.6	147.0	0.246	253.7	29.0	0.029	0.033	29.9	33	82.5	0.192	0.17	197.97	172.1
12	13.7	116.8	0.194	200.7	26.6	0.027	0.032	27.9	32	103.6	0.239	0.19	247.29	199.2
13	13.7	116.2	0.193	200.6	27.1	0.027	0.031	28.1	31	101.8	0.235	0.22	244.28	229.8
14	13.6	113.0	0.189	195.1	27.5	0.028	0.031	28.9	31	74.6	0.174	0.22	179.62	223.7
15	13.7	94.4	0.157	161.3	29.5	0.030	0.030	30.8	31	125.0	0.289	0.23	296.95	240.3
16	13.7	110.1	0.183	188.0	28.4	0.029	0.030	29.8	30	94.4	0.218	0.23	224.00	233.5
17	13.6	111.4	0.186	191.1	27.6	0.028	0.029	28.8	30	84.9	0.198	0.24	203.45	241.5
18	13.6	103.5	0.173	176.5	27.5	0.028	0.028	28.6	29	110.4	0.257	0.22	262.22	229.9
19	13.6	94.6	0.158	160.1	30.1	0.031	0.029	31.4	29	94.2	0.219	0.22	221.87	229.2
20	13.5	100.3	0.169	167.6	28.1	0.029	0.029	28.8	29	59.6	0.140	0.21	138.81	207.6
21	13.3	127.4	0.218	213.8	31.2	0.032	0.029	31.4	30	43.2	0.103	0.15	101.01	153.9
22	13.4	121.3	0.206	203.5	30.1	0.031	0.030	30.6	30	96.6	0.228	0.16	225.24	155.0
23	13.4	96.6	0.164	161.6	32.8	0.034	0.030	33.5	30	86.2	0.204	0.18	201.04	175.8
Average	13.5	128.6	0.216	217.2	30.6	0.031		31		83.2	0.19		195.9	
Total				5212.0				756					4702.4	
30-Day Rlg			0.15	153.0							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 20, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.4	89.7	0.152	148.9	34.1	0.035	0.031	34.3	31	82.7	0.195	0.21	191.00	205.8
01	13.4	95.9	0.163	160.4	33.6	0.035	0.032	34.5	32	86.7	0.205	0.20	201.78	197.9
02	13.4	96.1	0.163	160.6	34.3	0.035	0.033	34.5	32	77.0	0.182	0.19	179.36	190.7
03	13.4	106.0	0.180	177.8	31.6	0.033	0.033	32.6	33	91.0	0.215	0.20	212.40	197.8
04	13.4	109.5	0.186	184.2	31.1	0.032	0.033	31.7	33	74.9	0.177	0.19	175.28	189.0
05	13.3	109.9	0.188	186.2	28.8	0.030	0.033	29.7	33	67.9	0.162	0.18	160.43	182.7
06	13.4	92.2	0.156	155.7	30.3	0.031	0.033	30.7	33	91.0	0.215	0.18	213.17	183.0
07	13.2	112.3	0.193	192.4	28.3	0.030	0.033	29.7	32	51.7	0.124	0.17	122.95	165.5
08	13.2	109.6	0.189	186.9	26.4	0.028	0.032	27.7	31	84.0	0.201	0.18	198.81	178.3
09	13.3	126.2	0.216	213.4	27.1	0.028	0.031	27.7	31	89.7	0.213	0.18	211.41	177.7
10	13.3	209.9	0.359	358.1	28.1	0.029	0.030	28.9	30	79.7	0.190	0.20	189.53	199.9
11	13.5	167.8	0.283	285.7	29.0	0.030	0.030	30.3	30	137.2	0.322	0.24	325.06	242.0
12	13.4	138.8	0.236	238.5	29.4	0.030	0.030	30.3	29	76.8	0.181	0.23	182.94	232.5
13	13.5	87.9	0.148	150.5	27.4	0.028	0.029	28.5	29	96.9	0.227	0.24	230.79	246.3
14	13.5	100.2	0.169	171.8	26.0	0.027	0.029	27.5	29	67.0	0.157	0.19	159.62	191.1
15	13.4	100.2	0.170	172.8	25.0	0.026	0.028	26.4	28	71.9	0.170	0.18	172.84	187.8
16	13.4	93.8	0.159	161.7	24.7	0.026	0.028	26.4	28	106.8	0.252	0.19	256.21	196.2
17	13.6	92.8	0.155	157.9	26.6	0.027	0.028	27.5	28	111.1	0.259	0.23	263.84	231.0
18	13.6	94.7	0.158	162.0	26.8	0.027	0.028	27.7	28	108.1	0.252	0.25	258.33	259.5
19	13.6	109.9	0.184	187.4	26.4	0.027	0.027	27.5	28	102.1	0.238	0.25	242.36	254.8
20	13.5	86.3	0.145	143.7	27.5	0.028	0.027	27.7	27	79.2	0.186	0.23	184.33	228.3
21	13.4	79.1	0.134	132.1	26.7	0.028	0.027	27.6	27	58.1	0.137	0.19	135.01	187.2
22	13.3	72.8	0.125	123.9	31.5	0.033	0.028	32.7	28	86.6	0.206	0.18	204.25	174.5
23	13.3	78.2	0.134	133.3	31.1	0.032	0.029	31.8	29	85.1	0.202	0.18	202.01	180.4
Average	13.4	106.7	0.181	181.1	28.8	0.030		30		86.0	0.20		203.1	
Total				4345.9				714					4873.7	
30-Day Rlg			0.16	153.9							0.17			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 21, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.5	79.2	0.133	132.1	32.0	0.033	0.029	32.8	29	105.9	0.248	0.22	246.24	217.5
01	13.6	84.3	0.141	140.0	30.4	0.031	0.030	30.8	30	100.3	0.234	0.23	232.36	226.9
02	13.5	84.4	0.142	140.8	30.5	0.031	0.030	30.7	30	85.6	0.201	0.23	199.35	226.0
03	13.5	82.1	0.138	137.8	28.4	0.029	0.031	29.0	30	97.2	0.228	0.22	227.70	219.8
04	13.4	109.0	0.185	185.2	27.5	0.028	0.031	28.0	30	59.0	0.139	0.19	139.15	188.7
05	13.3	94.4	0.161	160.8	26.8	0.028	0.031	27.8	30	81.7	0.194	0.19	193.58	186.8
06	13.4	78.5	0.133	131.9	29.2	0.030	0.030	29.7	30	89.8	0.212	0.18	210.20	181.0
07	13.2	98.8	0.170	168.4	27.2	0.029	0.030	28.7	30	55.1	0.132	0.18	130.72	178.2
08	13.2	97.4	0.168	167.0	25.1	0.026	0.029	25.8	29	89.7	0.215	0.19	213.69	184.9
09	13.3	95.3	0.163	163.2	25.2	0.026	0.028	26.0	28	87.1	0.207	0.18	207.23	183.9
10	13.3	95.1	0.163	163.6	24.3	0.025	0.028	25.1	28	72.2	0.172	0.20	172.60	197.8
11	13.6	104.7	0.175	180.0	24.1	0.025	0.027	25.7	27	138.4	0.322	0.23	331.24	237.0
12	13.5	95.1	0.160	162.3	26.9	0.028	0.027	28.4	27	93.4	0.219	0.24	222.13	242.0
13	13.4	97.6	0.166	168.6	26.8	0.028	0.027	28.4	27	81.1	0.191	0.24	193.96	249.1
14	13.5	95.4	0.161	163.3	27.3	0.028	0.027	28.4	27	94.2	0.221	0.21	224.16	213.4
15	13.4	101.2	0.172	173.2	27.0	0.028	0.027	28.2	27	53.7	0.127	0.18	127.90	182.0
16	13.1	113.0	0.196	198.8	24.0	0.025	0.027	25.4	27	59.0	0.143	0.16	145.04	165.7
17	13.2	109.3	0.188	191.8	22.7	0.024	0.026	24.5	27	108.7	0.261	0.18	266.30	179.7
18	13.4	104.0	0.176	180.8	25.7	0.027	0.027	27.7	27	127.4	0.301	0.24	309.28	240.2
19	13.4	115.0	0.195	200.1	24.6	0.025	0.027	25.7	27	82.3	0.194	0.25	199.10	258.2
20	13.3	90.2	0.154	152.5	23.1	0.024	0.026	23.8	27	72.3	0.172	0.22	170.33	226.2
21	13.5	91.7	0.155	153.3	28.4	0.029	0.026	28.7	27	77.8	0.182	0.18	180.02	183.2
22	13.4	111.7	0.190	189.8	29.2	0.030	0.027	30.0	27	70.3	0.166	0.17	165.78	172.0
23	13.4	96.4	0.164	164.6	29.8	0.031	0.027	31.1	27	90.0	0.213	0.19	213.75	186.5
Average	13.4	96.8	0.165	165.4	26.9	0.028		28		86.3	0.20		205.1	
Total				3969.9				670					4921.8	
30-Day Rlg			0.16	154.0							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 22, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.5	89.8	0.151	151.5	30.7	0.031	0.028	31.1	28	109.9	0.258	0.21	258.90	212.8
01	13.6	120.4	0.201	201.7	29.5	0.030	0.028	30.1	29	85.9	0.200	0.22	200.70	224.5
02	13.4	122.2	0.207	207.7	26.4	0.027	0.028	27.1	28	63.1	0.149	0.20	149.52	203.0
03	13.2	117.4	0.202	202.9	23.9	0.025	0.028	25.1	28	76.1	0.182	0.18	182.86	177.7
04	13.3	121.4	0.208	208.7	23.9	0.025	0.029	25.1	29	87.0	0.207	0.18	207.72	180.0
05	13.4	144.2	0.245	245.0	24.1	0.025	0.028	25.0	28	78.6	0.186	0.19	185.98	192.2
06	13.2	150.9	0.260	258.1	23.9	0.025	0.027	24.8	27	75.0	0.180	0.19	178.69	190.8
07	13.2	163.1	0.281	277.8	24.1	0.025	0.027	24.7	27	76.6	0.184	0.18	181.92	182.2
08	13.3	203.1	0.348	343.7	24.2	0.025	0.026	24.7	26	85.4	0.203	0.19	200.48	187.0
09	13.4	145.1	0.246	243.2	23.3	0.024	0.025	23.7	25	82.6	0.195	0.19	192.82	191.7
10	13.4	133.7	0.227	223.1	23.6	0.024	0.025	23.6	25	107.7	0.254	0.22	249.63	214.3
11	13.4	130.2	0.221	219.9	24.8	0.026	0.025	25.9	25	77.2	0.182	0.21	181.05	207.8
12	13.4	59.3	0.101	100.8	24.8	0.026	0.025	26.0	25	81.4	0.192	0.21	191.69	207.5
13	13.5	77.4	0.130	130.9	22.7	0.023	0.025	23.2	25	92.9	0.218	0.20	219.48	197.4
14	13.5	78.5	0.132	133.1	22.2	0.023	0.025	23.2	24	93.4	0.219	0.21	220.75	210.6
15	13.5	86.5	0.146	147.7	22.2	0.023	0.024	23.3	24	82.3	0.193	0.21	195.24	211.8
16	13.4	94.2	0.160	161.9	21.9	0.023	0.024	23.3	24	89.5	0.211	0.21	213.45	209.8
17	13.4	94.2	0.160	161.9	21.8	0.023	0.024	23.3	24	104.0	0.246	0.22	248.85	219.2
18	13.4	91.6	0.156	158.2	22.9	0.024	0.024	24.3	24	81.1	0.192	0.22	194.69	219.0
19	13.4	91.9	0.156	158.0	23.0	0.024	0.024	24.3	24	82.0	0.194	0.21	196.48	213.3
20	13.2	84.2	0.145	140.6	21.3	0.022	0.023	21.3	23	53.3	0.128	0.17	124.11	171.8
21	13.2	84.6	0.146	140.2	26.8	0.028	0.024	26.9	24	69.1	0.166	0.16	159.36	160.0
22	13.2	82.7	0.143	137.5	27.9	0.029	0.025	27.9	24	91.2	0.219	0.17	210.50	164.7
23	13.1	78.2	0.136	132.4	28.7	0.030	0.025	29.2	25	90.2	0.218	0.20	212.16	194.0
Average	13.4	110.2	0.188	186.9	24.5	0.025		25		84.0	0.20		198.2	
Total				4486.5				607					4757.0	
30-Day Rlg			0.16	155.1							0.18			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 23, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO			SO2 ppm	SO2		SO2 lbs 3-Hr Rlg	SO2 lbs	
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg	CO lbs		8-Hr Rlg	lb/mmBtu			3-Hr Rlg
00	13.3	82.7	0.142	139.2	28.3	0.029	0.026	28.4	26	84.5	0.201	0.21	197.06	206.6
01	13.3	87.3	0.149	147.3	28.3	0.029	0.027	28.7	26	76.8	0.183	0.20	180.95	196.7
02	12.9	88.9	0.157	153.4	28.4	0.030	0.028	29.3	27	46.5	0.114	0.17	111.36	163.1
03	13.1	88.6	0.154	153.2	25.3	0.027	0.028	26.9	27	92.4	0.223	0.17	221.84	171.4
04	13.2	88.3	0.152	151.0	26.3	0.028	0.029	27.8	28	84.8	0.203	0.18	201.70	178.3
05	13.2	86.7	0.149	148.4	26.5	0.028	0.029	27.9	28	82.3	0.197	0.21	196.21	206.6
06	13.2	90.9	0.157	156.4	25.3	0.027	0.029	26.9	28	66.9	0.160	0.19	159.36	185.8
07	13.2	89.3	0.154	153.4	24.4	0.026	0.028	25.9	28	76.4	0.183	0.18	182.27	179.3
08	13.2	86.6	0.149	148.4	24.5	0.026	0.028	25.9	27	80.6	0.193	0.18	192.23	178.0
09	13.3	83.1	0.142	141.6	24.1	0.025	0.027	24.9	27	83.0	0.198	0.19	197.45	190.7
10	13.3	83.7	0.143	144.5	23.1	0.024	0.026	24.2	26	93.8	0.223	0.20	225.32	205.0
11	13.5	91.4	0.154	158.4	22.1	0.023	0.026	23.7	26	138.7	0.325	0.25	334.23	252.3
12	13.5	88.9	0.150	153.2	22.8	0.023	0.025	23.5	25	87.5	0.205	0.25	209.35	256.3
13	13.5	89.5	0.151	154.2	23.4	0.024	0.025	24.5	25	91.4	0.214	0.25	218.54	254.0
14	13.5	91.0	0.153	156.4	23.6	0.024	0.024	24.5	25	74.1	0.174	0.20	177.90	201.9
15	13.5	88.1	0.149	152.3	24.3	0.025	0.024	25.6	25	77.3	0.181	0.19	185.05	193.8
16	13.5	84.3	0.142	146.5	26.7	0.027	0.024	27.9	25	66.9	0.157	0.17	162.02	175.0
17	13.3	84.0	0.144	146.5	26.3	0.027	0.025	27.5	25	50.4	0.120	0.15	122.11	156.4
18	13.2	78.6	0.136	138.2	26.5	0.028	0.025	28.5	26	70.0	0.168	0.15	170.76	151.6
19	13.3	75.4	0.129	131.7	26.4	0.028	0.026	28.6	26	98.2	0.234	0.17	238.96	177.3
20	13.1	70.6	0.123	122.8	24.5	0.026	0.026	26.0	27	57.5	0.139	0.18	138.81	182.8
21	13.1	130.3	0.226	225.2	32.2	0.034	0.027	33.9	28	88.2	0.213	0.20	212.21	196.7
22	13.3	91.2	0.156	156.5	36.1	0.038	0.029	38.1	30	94.5	0.225	0.19	225.79	192.3
23	13.2	94.9	0.163	164.2	35.3	0.037	0.031	37.3	31	62.5	0.150	0.20	151.07	196.4
<b>Average</b>	13.3	88.1	0.151	151.8	26.4	0.028		28		80.2	0.19		192.2	
<b>Total</b>				3642.9				666					4612.6	
<b>30-Day Rlg</b>			0.16	154.9							0.18			



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 24, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.1	83.0	0.144	145.4	32.9	0.035	0.032	35.3	32	65.5	0.158	0.18	159.50	178.8
01	13.2	71.1	0.123	123.4	35.4	0.037	0.033	37.1	33	105.0	0.252	0.19	252.88	187.8
02	13.3	68.9	0.118	118.4	36.3	0.038	0.034	38.1	34	78.3	0.186	0.20	186.65	199.7
03	13.1	87.6	0.152	152.5	37.4	0.040	0.036	40.1	36	53.7	0.130	0.19	130.46	190.0
04	13.0	84.0	0.147	147.2	34.7	0.037	0.037	37.0	37	59.1	0.144	0.15	144.16	153.8
05	13.0	78.9	0.138	138.5	33.6	0.036	0.037	36.1	37	89.8	0.219	0.16	219.77	164.8
06	13.1	77.9	0.135	131.7	35.5	0.037	0.037	36.1	37	81.9	0.198	0.19	193.23	185.7
07	13.0	84.0	0.147	144.7	37.2	0.040	0.038	39.4	37	79.9	0.194	0.20	190.95	201.3
08	13.0	82.6	0.145	143.6	35.3	0.038	0.038	37.6	38	79.0	0.192	0.19	190.14	191.4
09	13.1	70.0	0.122	121.3	35.9	0.038	0.038	37.8	38	125.2	0.302	0.23	301.15	227.4
10	13.0	78.5	0.137	134.3	33.8	0.036	0.038	35.3	37	113.3	0.276	0.26	270.65	254.0
11	13.1	78.7	0.137	133.0	35.6	0.038	0.038	36.9	37	71.8	0.174	0.25	168.87	246.9
12	13.4	73.9	0.125	125.9	37.0	0.038	0.038	38.3	37	89.0	0.210	0.22	211.49	217.0
13	13.5	83.1	0.140	142.7	34.0	0.035	0.038	35.7	37	73.6	0.173	0.19	176.30	185.6
14	13.6	72.5	0.121	122.9	35.2	0.036	0.037	36.6	37	102.6	0.239	0.21	242.70	210.2
15	13.6	69.9	0.117	118.7	36.5	0.037	0.037	37.5	37	83.8	0.195	0.20	197.79	205.6
16	13.6	65.5	0.110	111.6	36.6	0.037	0.037	37.5	37	71.3	0.166	0.20	168.37	203.0
17	13.5	79.2	0.133	134.9	34.8	0.036	0.037	36.5	37	76.3	0.179	0.18	181.56	182.6
18	13.5	93.5	0.158	162.2	34.5	0.035	0.037	35.9	37	89.3	0.209	0.18	214.50	188.1
19	13.4	103.5	0.176	179.4	33.0	0.034	0.036	34.6	37	128.7	0.304	0.23	309.81	235.3
20	13.1	111.6	0.194	192.8	35.7	0.038	0.036	37.8	37	89.8	0.217	0.24	215.68	246.7
21	13.2	116.9	0.201	202.0	34.5	0.036	0.036	36.0	37	88.4	0.212	0.24	211.98	245.8
22	13.0	115.8	0.203	203.5	35.3	0.038	0.036	38.1	37	41.0	0.100	0.18	100.23	176.0
23	12.9	99.1	0.175	177.5	37.3	0.040	0.037	40.6	37	18.9	0.046	0.12	46.66	119.6
<b>Average</b>	<b>13.2</b>	<b>84.6</b>	<b>0.146</b>	<b>146.2</b>	<b>35.3</b>	<b>0.037</b>		<b>37</b>		<b>81.5</b>	<b>0.19</b>		<b>195.2</b>	
<b>Total</b>				<b>3508.1</b>				<b>892</b>					<b>4685.5</b>	
<b>30-Day Rlg</b>			<b>0.16</b>	<b>154.1</b>							<b>0.18</b>			

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Emissions Report**  
 September 25, 2002

<i>Emission Limits</i>		
	lb/mmBtu	lb/hr
CO 8-Hour Rolling Average	0.175	186
SO2 3-Hour Rolling Average	0.3	318.9
NOx 30-Day Rolling Average	0.17	180.7
SO2 30-Day Rolling Average	0.2	-----

Hour	CO2%	NOx ppm	NOx		CO ppm	CO		CO lbs	CO lbs 8-Hr Rlg	SO2 ppm	SO2		SO2 lbs	SO2 lbs 3-Hr Rlg
			lb/mmBtu	NOx lbs		lb/mmBtu	8-Hr Rlg				lb/mmBtu	3-Hr Rlg		
00	13.1	104.3	0.181	183.6	38.8	0.041	0.037	41.6	38	91.7	0.222	0.12	225.17	124.0
01	12.8	76.5	0.136	129.6	37.4	0.040	0.038	38.1	38	42.9	0.106	0.12	101.03	124.3
02	12.6	74.3	0.134	123.7	40.5	0.045	0.039	41.5	39	57.4	0.144	0.16	132.93	153.0
03	12.3	81.4	0.150	134.3	51.7	0.058	0.042	51.9	41	33.0	0.085	0.11	76.12	103.4
04	12.2	73.9	0.138	118.8	60.8	0.069	0.046	59.4	43	62.5	0.162	0.13	139.43	116.2
05	12.3	72.0	0.133	118.1	60.0	0.068	0.050	60.4	46	76.8	0.198	0.15	175.88	130.5
06	12.6	75.0	0.135	125.8	54.5	0.060	0.053	55.9	49	60.9	0.153	0.17	142.52	152.6
07	12.5	85.0	0.155	143.1	51.1	0.057	0.055	52.6	50	58.3	0.148	0.17	136.62	151.7
08	12.4	80.8	0.148	138.9	48.8	0.055	0.057	51.6	51	53.0	0.135	0.15	126.72	135.3
09	12.5	82.4	0.150	143.7	47.0	0.052	0.058	49.8	53	85.9	0.217	0.17	207.86	157.1
10	12.7	85.0	0.152	149.2	43.4	0.047	0.058	46.1	53	80.1	0.200	0.18	196.38	177.0
11	12.8	76.9	0.137	136.8	39.6	0.043	0.056	42.9	52	62.3	0.154	0.19	153.80	186.0
12	12.7	123.8	0.222	222.2	37.7	0.041	0.053	41.0	50	80.3	0.200	0.18	200.20	183.5
13	13.0	74.5	0.130	130.9	38.8	0.041	0.050	41.3	48	83.9	0.204	0.19	205.43	186.5
14	10.1	79.0	0.171	88.5	229.6	0.302	0.080	156.8	60	15.5	0.047	0.15	24.32	143.3
15	10.4	84.3	0.181	115.7	159.8	0.209	0.099	133.7	70	0.1	0.000	0.08	0.00	76.6
16	5.4	96.8	0.332	75.2	698.5	1.457	0.274	329.7	105	0.0	0.000	0.02	0.00	8.1
17	10.8	73.2	0.153	99.4	187.3	0.238	0.297	154.6	118	4.2	0.012	0.00	7.79	2.6
18	11.6	64.7	0.127	90.5	81.0	0.097	0.304	69.1	121	3.9	0.011	0.01	7.84	5.2
19	11.4	54.9	0.110	72.0	109.2	0.133	0.315	87.1	127	12.2	0.034	0.02	22.26	12.6
20	12.8	37.9	0.067	49.5	105.1	0.114	0.324	84.3	132	0.8	0.002	0.02	1.48	10.5
21	12.4	54.7	0.100	67.2	94.3	0.105	0.332	70.6	136	0.2	0.000	0.01	0.00	7.9
22	12.1	53.7	0.101	65.4	97.0	0.111	0.308	71.9	125	0.0	0.000	0.00	0.00	0.5
23	12.0	51.8	0.098	63.6	102.1	0.118	0.297	76.6	118	0.0	0.000	0.00	0.00	0.0
<b>Average</b>	<b>11.9</b>	<b>75.7</b>	<b>0.148</b>	<b>116.1</b>	<b>104.8</b>	<b>0.150</b>		<b>80</b>		<b>40.2</b>	<b>0.10</b>		<b>95.2</b>	
<b>Total</b>				<b>2785.7</b>				<b>1909</b>					<b>2283.8</b>	
<b>30-Day Rlg</b>			<b>0.16</b>	<b>154.1</b>							<b>0.18</b>			

Opacity Data

**Cedar Bay Generating**  
Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
August 27, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	9	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	9	9	9
04	9	9	9	9	9	9	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	9	Cal	Cal	9	9	9	9	9	9
07	9	9	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	9	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	9	9	9	9	9	9
20	9	9	9	9	9	9	9	9	9	9
21	9	9	9	9	9	9	9	9	10	9
22	9	9	9	9	9	9	9	9	9	9
23	9	9	Down	Down	Down	Down	Down	Down	Down	Down

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 August 28, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	DCal	DCal	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
11	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
12	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
13	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
14	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
15	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
16	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
17	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
18	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
19	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
20	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
21	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
22	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 August 29, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	DCal	DCal	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
11	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
12	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
13	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
14	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
15	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
16	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
17	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
18	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
19	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
20	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
21	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
22	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 August 30, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	DCal	DCal	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	10	10	10	10	10	9
13	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	9	9	9	9	9	9
20	9	9	9	9	9	9	9	10	9	9
21	9	9	9	9	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9
23	9	9	9	9	9	9	9	9	9	10

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 August 31, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	9	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	9	9	9
04	9	9	9	9	9	9	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	9	Cal	Cal	9	9	9	9	9	9
07	9	9	9	9	9	9	9	9	10	9
08	9	9	9	9	9	9	9	9	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	10
11	10	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	10	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	9	9	9	9	9	9
20	9	10	9	9	9	9	9	9	9	9
21	9	9	10	10	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9
23	9	9	9	9	9	9	9	10	9	Inval

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 1, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	9	9	9	9	9	10	10	9
03	9	9	9	9	9	9	9	9	9	9
04	9	9	9	9	9	9	9	9	9	9
05	9	9	9	9	9	10	10	9	9	9
06	9	9	Cal	Cal	9	9	9	9	9	9
07	9	9	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	9	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	9	9	9	9	9	9
20	9	9	9	9	9	9	9	9	9	9
21	9	9	9	9	9	9	9	9	9	9
22	9	9	9	10	9	9	9	9	9	9
23	9	9	9	9	9	9	9	9	9	9



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 2, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	10	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	10	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	9	9	9
04	9	9	9	9	9	10	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	9	Cal	Cal	9	9	9	9	9	10
07	9	9	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	9	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	9	9	9	9	9	9
20	9	9	9	9	9	9	10	9	9	9
21	10	10	9	9	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9
23	9	9	9	10	10	9	9	9	9	9

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 3, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	10	10	9
02	9	9	9	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	9	9	9
04	9	10	9	9	9	9	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	Cal	Cal	Cal	9	9	9	9	9	9
07	9	9	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	9	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	9	9
19	9	9	9	9	10	9	9	9	9	9
20	9	9	9	9	9	9	9	9	9	9
21	9	9	9	9	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9
23	10	9	9	9	9	9	9	9	9	9

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 4, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	9	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	9	9	9
04	9	10	10	9	9	9	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	Cal	Cal	Cal	9	9	9	9	9	9
07	10	10	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	10	9	9
09	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9
13	9	9	9	9	9	9	9	9	10	10
14	10	10	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	10	10
16	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9
18	9	9	9	9	9	9	9	9	10	10
19	9	9	9	9	9	9	9	9	9	9
20	9	9	9	9	9	9	10	10	10	9
21	9	9	9	9	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9
23	9	9	9	9	9	9	9	9	10	9

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 5, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	9	9	9	9	9	9	9	9	9	9
01	9	9	9	9	9	9	9	9	9	9
02	9	9	9	9	9	9	9	9	9	9
03	9	9	9	9	9	9	9	10	9	9
04	9	9	9	9	9	9	9	9	9	9
05	9	9	9	9	9	9	9	9	9	9
06	9	Cal	Cal	9	9	9	9	10	9	9
07	9	9	9	9	9	9	9	9	9	9
08	9	9	9	9	9	9	9	9	9	9
09	9	Down	9	9	Down	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	Down	Down	Down	9
12	Down	Down	Down	Down	9	9	9	Down	Down	Down
13	Down	Down	Down	Down	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	Maint	Maint
15	Maint	Maint	Maint	Maint	Maint	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	7	7	7	7	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	7	7
20	7	8	7	7	7	7	7	7	7	7
21	7	8	8	7	7	7	7	7	8	7
22	7	7	7	7	7	7	7	7	7	7
23	7	7	7	7	7	7	7	7	7	7

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 6, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	7	7	7	7	7	8	8	7	7	7
01	7	7	7	7	7	7	7	7	7	7
02	7	7	7	7	7	7	7	7	7	7
03	7	7	7	7	7	7	7	7	7	7
04	7	7	7	7	7	8	7	7	7	7
05	7	7	7	7	7	7	7	7	7	7
06	7	7	7	7	7	7	7	7	7	7
07	7	7	7	7	7	7	7	7	7	7
08	7	7	7	7	7	7	7	7	7	7
09	7	7	7	7	7	7	7	7	7	7
10	7	7	7	7	7	7	7	7	7	7
11	7	7	7	7	7	7	7	7	7	7
12	7	7	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	7	7	7	7	7	7	7	7
15	7	7	7	Cal	Cal	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	7	7	7	8	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	7	7
20	8	8	8	7	7	7	7	7	7	7
21	7	7	7	7	7	7	7	7	7	7
22	7	7	8	8	8	7	7	7	7	7
23	7	7	7	7	8	7	7	7	7	7

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 7, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	7	7	7	7	7	7	7	7	7	7
01	7	7	7	7	7	7	7	7	7	7
02	7	7	7	7	8	8	8	7	7	7
03	8	7	7	7	7	7	8	7	8	7
04	7	7	7	7	7	7	7	7	7	7
05	7	7	7	7	7	7	7	7	7	7
06	<b>Down</b>	<b>Down</b>	<b>Down</b>	<b>Down</b>	<b>Down</b>	<b>Down</b>	<b>Down</b>	7	7	7
07	7	7	8	7	7	7	7	7	7	7
08	7	7	7	7	7	7	7	8	8	7
09	7	7	7	7	8	7	7	7	7	7
10	7	7	7	7	7	7	7	7	7	7
11	7	7	7	7	7	7	7	7	7	7
12	7	7	7	7	7	7	7	7	7	7
13	7	7	8	7	7	7	7	7	7	7
14	7	7	7	7	7	7	7	7	7	7
15	7	7	7	<b>Cal</b>	<b>Cal</b>	7	7	7	7	7
16	7	7	7	7	7	7	7	7	8	7
17	7	7	7	7	7	7	7	7	7	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	8	8
20	8	8	8	8	7	7	7	7	7	7
21	7	7	7	7	7	7	7	7	7	7
22	7	7	7	7	7	7	8	8	7	8
23	8	7	7	7	7	7	8	8	8	7

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 8, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	7	7	7	7	7	7	7	7	7	7
01	7	7	7	7	7	7	7	7	7	8
02	8	8	8	7	7	7	7	8	8	7
03	7	7	7	7	7	7	7	7	7	7
04	7	7	7	7	7	7	8	8	8	7
05	7	7	7	8	8	7	7	7	7	7
06	7	7	7	7	7	7	7	7	7	7
07	7	8	8	8	8	7	7	7	7	7
08	7	7	7	7	7	8	8	7	8	8
09	7	8	7	7	7	7	7	7	7	7
10	7	7	7	7	7	7	7	7	7	7
11	7	7	7	7	7	7	7	7	7	7
12	7	7	7	7	7	7	8	8	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	7	7	7	7	7	7	7	8
15	7	7	7	Cal	Cal	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	7	7	7	7	7
18	7	7	7	8	8	8	7	7	7	7
19	8	7	7	7	7	7	7	7	7	7
20	7	7	8	9	9	8	8	8	7	8
21	8	7	7	7	7	7	7	7	7	7
22	7	7	7	7	7	7	7	7	7	7
23	7	7	7	7	7	7	8	8	7	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 9, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	7	7	7	7	7	7	8	7	7
01	7	7	7	7	7	7	7	7	7	7
02	7	7	7	7	7	7	7	7	7	8
03	8	8	7	7	7	8	8	7	7	7
04	7	7	7	7	7	7	7	7	7	7
05	8	7	7	7	7	7	8	8	Down	Down
06	Down	8	7	8	8	8	7	7	7	7
07	7	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	7	8	8
09	7	7	8	8	8	8	8	8	7	7
10	7	7	7	7	7	7	7	7	7	8
11	8	8	7	8	7	7	7	7	7	7
12	7	7	7	7	7	8	8	8	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	8	8	8	7	7	7	7	7
15	7	7	7	Cal	Cal	7	7	7	7	7
16	7	7	7	8	8	7	7	7	7	7
17	7	7	7	7	7	7	7	7	7	7
18	7	7	7	7	7	7	7	8	8	8
19	7	7	7	7	7	7	7	7	7	7
20	8	8	8	7	7	7	7	7	7	7
21	8	8	7	7	8	7	7	7	7	7
22	7	7	8	7	7	7	7	7	7	7
23	7	7	7	7	7	7	7	7	8	8



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 10, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	7	8	7	8	8	8	8	8	8	8
02	8	7	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	7	8	8	8	7	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	Down	Down	8	7	7	8	7
11	7	7	7	8	8	7	8	8	8	8
12	8	8	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	8	8	8	7	7	7	7	7
15	8	7	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	8	8	7	7	7	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	7	7
20	7	7	8	8	8	7	8	8	8	7
21	8	7	7	8	8	8	8	8	7	8
22	8	8	8	7	8	8	8	8	8	8
23	8	8	8	8	8	8	8	7	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 11, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	7	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	7	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	7	7	8	8	8	8	7	8
12	8	7	7	7	7	8	7	7	7	7
13	7	8	7	7	7	7	7	7	7	7
14	7	7	7	7	7	7	7	7	7	7
15	7	7	Cal	Cal	7	7	7	7	7	7
16	8	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	8	8	8	8	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	7	7
20	7	8	8	8	9	10	8	8	8	7
21	7	7	7	7	8	8	7	7	7	7
22	7	8	8	8	8	8	7	8	7	8
23	8	8	8	8	8	8	8	8	7	7

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 12, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	7	8	8	7	8	8	8	8	8
01	8	7	7	8	8	8	7	7	8	7
02	8	7	7	8	7	8	8	8	8	7
03	8	7	8	7	8	8	8	7	8	8
04	8	8	8	8	7	8	7	8	8	8
05	8	8	8	8	8	7	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	7	7	8	7	7	7	7	7	7	7
11	7	7	8	8	8	7	8	7	7	7
12	7	7	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	8	8	7
14	7	7	7	7	7	7	7	7	7	7
15	7	7	Cal	Cal	7	7	7	7	7	7
16	7	7	7	8	8	8	8	7	7	7
17	7	8	8	8	8	8	7	8	8	8
18	8	8	8	8	8	8	8	7	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 13, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	7	8	8	8
11	8	8	8	8	8	7	8	8	7	8
12	8	8	8	8	8	8	8	8	8	8
13	8	8	8	8	8	8	8	8	8	8
14	8	8	8	8	7	8	8	8	8	8
15	8	8	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	8	8	8	7	7	7
18	7	7	7	7	7	7	7	7	7	7
19	7	7	7	7	7	7	7	7	8	8
20	7	7	7	8	7	7	7	7	7	7
21	7	7	8	7	7	7	7	7	7	7
22	7	7	7	7	7	7	7	7	7	7
23	8	8	8	7	7	7	7	7	7	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 14, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	7	7	7	7	7	7	7	7
01	7	7	7	8	8	8	7	8	7	7
02	7	7	7	7	7	7	7	7	7	7
03	7	7	7	7	7	7	7	7	7	8
04	10	8	8	7	7	7	7	7	7	7
05	7	7	7	7	7	7	7	7	7	7
06	7	7	7	7	7	8	8	8	7	7
07	7	7	7	7	7	7	7	7	7	7
08	7	7	7	7	7	7	7	7	7	7
09	8	8	8	7	7	7	7	7	7	7
10	7	7	7	7	7	7	7	8	7	7
11	7	7	7	7	7	7	7	7	7	7
12	7	8	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	7	7	7	7	7	8	7	7
15	7	7	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	7	8	8	8	7
18	7	7	8	8	7	7	7	7	7	7
19	7	8	7	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 15, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	7	7
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	7	8	7	7
04	7	8	8	8	8	7	8	8	8	8
05	8	7	8	8	8	8	7	8	7	7
06	8	8	7	8	8	8	8	8	8	8
07	7	7	7	7	7	7	7	7	7	7
08	8	7	7	7	7	7	7	7	8	8
09	8	8	7	7	8	8	8	7	7	7
10	7	7	7	7	7	7	7	7	7	7
11	7	7	7	7	7	7	8	8	8	7
12	7	7	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	8	8
14	8	7	7	7	7	7	7	7	7	7
15	7	7	Cal	Cal	7	7	7	7	7	7
16	7	8	8	8	7	8	8	8	8	8
17	8	8	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	Invalid	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 16, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	9	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8	8	8
13	8	8	8	8	8	8	8	8	8	8
14	8	8	8	8	8	8	8	8	8	8
15	8	7	Cal	Cal	7	7	7	7	7	7
16	7	7	8	8	7	7	7	7	7	7
17	7	7	7	7	7	7	7	7	7	7
18	7	7	7	7	7	8	8	8	8	7
19	7	7	7	7	7	7	7	7	7	7
20	7	7	7	7	7	7	7	7	7	8
21	8	7	8	7	7	7	7	8	7	7
22	7	7	7	7	7	7	7	7	7	7
23	7	7	7	7	7	7	7	7	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 17, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	7	8	8	7	7	7	7	7	7
01	7	7	7	7	7	7	7	7	7	7
02	7	7	7	7	7	7	7	7	8	9
03	8	7	8	7	7	7	8	8	7	7
04	7	7	7	7	7	7	7	7	7	7
05	8	8	8	8	8	8	8	8	8	8
06	8	8	7	7	7	8	8	8	8	8
07	8	7	7	7	7	7	8	8	7	8
08	8	7	8	8	8	8	8	7	7	7
09	7	7	7	7	7	7	7	7	7	7
10	8	8	8	7	7	7	7	7	7	7
11	7	7	7	7	7	7	7	7	8	8
12	8	7	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	8	8
14	7	7	7	7	7	7	7	7	7	7
15	7	7	Cal	Cal	7	7	7	7	8	8
16	8	8	7	7	7	7	7	7	7	7
17	7	7	7	7	7	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	9	9	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 18, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	7	7	8	8	8	8	8
13	8	8	8	8	8	8	8	8	8	8
14	8	8	8	8	7	7	7	7	7	8
15	7	8	Cal	Cal	8	7	7	7	7	7
16	7	7	7	7	7	8	8	8	8	8
17	8	8	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	3	8
20	8	8	8	9	9	8	8	8	3	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 19, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	46-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8	8	8
13	8	7	8	8	8	8	8	8	8	8
14	8	8	8	8	8	8	8	8	8	8
15	8	8	Cal	Cal	7	8	8	8	8	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	8	8	8	8	7	7	7
18	7	7	7	7	7	7	7	7	7	7
19	8	8	8	8	7	8	7	7	7	7
20	7	7	8	8	8	8	8	8	8	8
21	8	7	7	7	7	7	7	7	7	7
22	7	8	8	8	7	7	7	8	8	8
23	8	8	8	8	8	8	7	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 20, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	7	8	8	8	8
01	7	8	7	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	7	8	8
03	8	7	7	7	8	8	8	8	8	8
04	8	8	8	8	7	8	8	7	7	8
05	8	8	8	7	8	8	7	8	8	8
06	8	8	8	8	8	8	8	7	7	8
07	8	7	7	7	8	8	7	8	8	8
08	8	8	8	8	8	7	7	7	7	7
09	7	8	8	8	7	7	7	7	7	7
10	7	7	7	7	7	7	7	8	8	7
11	8	7	8	7	7	8	8	7	7	7
12	7	7	7	7	8	8	8	8	7	7
13	7	7	7	7	7	8	8	8	7	7
14	7	7	7	7	7	7	7	7	7	7
15	7	7	Cal	Cal	8	8	8	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	9
21	9	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 21, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8	7	8
13	8	8	8	8	7	8	8	7	7	7
14	7	7	7	7	7	7	8	8	8	7
15	7	7	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	8
17	8	8	8	8	7	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	9	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 22, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	9	8
07	8	8	8	8	8	8	8	8	6	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	7	8	7	8	8	9	8
13	8	8	8	8	8	8	8	7	8	8
14	8	8	7	7	7	7	7	7	7	8
15	8	8	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	8
17	7	8	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 23, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8	8	8
13	8	8	8	8	8	8	8	8	8	8
14	8	8	8	8	8	7	8	8	8	8
15	8	8	Cal	Cal	8	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	8	8	8	8	8	8	8	8	8
18	8	7	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 24, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	8	8	8	8	8	8	8	8	8	8
01	8	8	8	8	8	8	8	8	8	8
02	8	8	8	8	8	8	8	8	8	8
03	8	8	8	8	8	8	8	8	8	8
04	8	8	8	8	8	8	8	8	8	8
05	8	8	8	8	8	8	8	8	8	8
06	8	8	8	8	8	8	8	8	8	8
07	8	8	8	8	8	8	8	8	8	8
08	8	8	8	8	8	8	8	8	8	8
09	8	8	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8	8	8
11	8	8	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8	8	8
13	8	8	8	8	8	8	8	8	8	8
14	8	8	8	8	8	8	8	8	8	8
15	8	8	Cal	Cal	7	7	7	7	7	7
16	7	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	8	8	8	7	8
18	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	7	7	8	8	8
23	8	8	8	7	7	7	7	7	8	7

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Opacity Report**  
 September 25, 2002

Emission Limit

Opacity 20% (27% Rule)

Hour	00-06	06-12	12-18	18-24	24-30	30-36	36-42	42-48	48-54	54-60
00	7	7	8	8	8	8	8	8	7	7
01	7	7	7	7	7	7	7	7	7	7
02	8	8	9	8	8	7	7	7	7	7
03	7	7	7	7	7	7	7	8	7	7
04	7	7	7	7	7	7	7	7	7	7
05	7	7	7	7	7	7	7	7	7	7
06	7	7	7	7	7	7	7	7	8	8
07	7	7	7	7	7	7	7	7	7	7
08	7	7	7	7	7	7	7	7	7	7
09	7	7	7	7	7	7	7	7	8	7
10	7	7	7	7	7	7	7	7	7	7
11	7	7	7	7	7	7	7	7	7	7
12	7	7	7	7	7	7	7	7	7	7
13	7	7	7	7	7	7	7	7	7	7
14	7	7	7	7	Down	Down	Down	Down	7	7
15	7	7	Cal	Cal	8	7	7	8	8	Down
16	Down	Down	Down	Down	Down	Down	Down	8	8	7
17	7	7	7	8	8	8	8	8	8	8
18	8	8	8	8	7	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	8



*operational Data*

**Cedar Bay Generating**

Jacksonville, FLA

**Boiler 1-C Daily Operations Report**

August 27, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	78.8	723	11.99	Down	1012.0	247.2	1.347	91.5
01	Down	3.00	79.3	725	4.26	Down	1018.3	247.2	1.347	92.5
02	Down	3.00	74.4	686	4.00	Down	956.3	230.3	1.346	91.6
03	Down	3.00	46.2	422	4.00	Down	599.5	113.7	1.338	100.0
04	Down	3.00	45.1	398	4.00	Down	585.6	101.8	1.337	100.0
05	Down	1.33	61.1	508	9.46	Down	779.7	156.2	1.351	99.9
06	Down	Down	82.3	741	12.51	Down	1041.3	250.9	1.359	92.9
07	Down	Down	80.6	744	4.55	Down	1019.8	250.2	1.359	92.4
08	Down	0.54	81.0	742	6.59	Down	1027.5	250.3	1.356	82.7
09	Down	3.00	80.9	745	14.25	Down	1038.5	249.9	1.347	79.3
10	Down	3.00	81.4	748	15.70	Down	1044.9	250.1	1.346	86.1
11	Down	3.00	83.5	762	14.78	Down	1071.4	253.7	1.347	84.7
12	Down	3.00	83.1	768	16.40	Down	1066.4	255.2	1.347	79.7
13	Down	3.00	82.0	761	16.28	Down	999.0	253.5	1.813	88.9
14	Down	3.00	82.1	755	14.50	Down	1000.2	253.3	1.814	90.1
15	Down	3.00	82.0	755	16.43	Down	999.0	253.5	1.813	85.5
16	Down	3.00	82.1	747	14.72	Down	1000.2	253.7	1.814	91.7
17	Down	3.00	83.5	757	14.83	Down	1017.0	255.7	1.814	83.7
18	Down	3.00	82.9	753	16.47	Down	1009.8	255.2	1.814	86.5
19	Down	3.00	82.6	744	16.48	Down	1006.2	254.1	1.814	86.4
20	Down	3.00	79.4	715	14.16	Down	967.8	248.3	1.813	90.9
21	Down	2.96	79.7	716	15.62	Down	971.2	248.1	1.813	83.9
22	Down	3.00	79.5	716	15.29	Down	969.0	248.0	1.813	89.0
23	Down	0.68	17.6	164	3.61	Down	214.6	247.8	1.812	89.1
Average	Down	2.71	74.6	679	11.70	Down	934.0	227	1.561	89
Total	Down	59.5	1791.1	16295	280.9	Down	22415.2	5437		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 August 28, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
01	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
02	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
03	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
04	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
05	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
06	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
07	Down	0.93	Down	Down	Down	Down	2.3	Down	0.000	100.0
08	Down	0.58	Down	Down	Down	Down	1.5	Down	0.000	100.0
09	Down	0.66	Down	Down	Down	Down	1.7	Down	0.000	100.0
10	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
11	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
12	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
13	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
14	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
15	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
16	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
17	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
18	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
19	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
20	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
21	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
22	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
23	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
Average	Down	0.72	Down	Down	Down	Down	1.8	Down	0.000	100
Total	Down	2.2	Down	Down	Down	Down	5.5	Down		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 August 29, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
01	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
02	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
03	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
04	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
05	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
06	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
07	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
08	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
09	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
10	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
11	48.0	Down	Down	Down	Down	6.6	6.6	Down	0.052	100.0
12	671.4	Down	Down	Down	Down	92.3	92.3	Down	0.052	100.0
13	997.2	Down	Down	Down	Down	137.1	137.1	Down	0.052	100.0
14	1123.8	Down	Down	Down	Down	154.5	154.5	Down	0.052	100.0
15	960.6	Down	Down	Down	Down	132.1	132.1	Down	0.052	100.0
16	117.8	Down	Down	Down	Down	16.2	16.2	Down	0.052	100.0
17	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
18	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
19	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
20	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
21	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
22	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
23	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
Average	653.1	Down	Down	Down	Down	89.8	89.8	Down	0.052	100
Total	3918.8	Down	Down	Down	Down	538.8	538.8	Down		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 August 30, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
01	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
02	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
03	198.3	Down	Down	Down	Down	27.3	27.3	Down	0.052	100.0
04	494.1	Down	Down	Down	Down	67.9	67.9	Down	0.052	100.0
05	Down	Down	Down	Down	Down	Down	Down	Down	Inval	100.0
06	858.4	Down	Down	Down	Down	118.0	118.0	Down	0.052	100.0
07	1345.8	Down	Down	Down	Down	185.0	185.0	Down	0.052	100.0
08	1601.4	Down	Down	Down	Down	220.2	220.2	Down	0.052	100.0
09	1682.4	Down	Down	Down	Down	231.3	231.3	Down	0.052	100.0
10	2020.2	Down	Down	171	0.02	277.8	277.8	129.4	0.052	100.0
11	2040.0	Down	Down	236	0.03	280.5	280.5	131.4	0.052	100.0
12	2008.8	Down	3.9	268	0.90	276.2	325.7	148.9	0.242	100.0
13	250.6	Down	49.4	421	5.30	34.5	627.3	194.7	1.735	99.9
14	Down	2.48	66.5	584	6.80	Down	804.2	226.5	1.820	98.7
15	Down	3.00	80.0	716	14.57	Down	967.6	243.7	1.820	85.9
16	Down	2.91	80.3	728	13.74	Down	970.9	246.0	1.820	92.0
17	Down	2.91	82.1	753	15.82	Down	992.5	251.6	1.821	81.7
18	Down	2.81	81.3	745	13.74	Down	982.7	250.8	1.821	92.0
19	Down	2.65	82.9	751	12.55	Down	1001.5	253.0	1.822	87.8
20	Down	2.91	81.6	746	16.40	Down	986.5	249.6	1.820	81.8
21	Down	2.98	78.7	728	14.54	Down	951.9	250.2	1.820	90.4
22	Down	2.80	78.6	720	6.35	Down	950.3	249.8	1.820	96.6
23	Down	2.80	79.2	720	4.00	Down	957.5	250.1	1.820	95.3
Average	1250.0	2.83	70.4	592	8.91	171.9	596.3	220	1.030	96
Total	12500.0	28.3	844.5	8287	124.8	1718.7	11926.6	3077		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 August 31, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	2.81	80.7	729	5.91	Down	985.8	250.8	1.327	87.0
01	Down	2.81	80.8	729	16.10	Down	987.0	250.3	1.327	81.8
02	Down	2.90	80.9	737	14.97	Down	988.5	250.9	1.327	86.2
03	Down	3.00	80.1	735	15.91	Down	979.1	249.8	1.327	86.1
04	Down	2.94	80.0	733	12.82	Down	977.7	249.9	1.327	90.1
05	Down	2.84	80.4	733	4.91	Down	982.2	249.8	1.327	92.1
06	Down	2.84	80.9	733	4.49	Down	988.3	250.1	1.327	85.8
07	Down	2.97	80.7	735	11.40	Down	986.3	250.1	1.327	77.0
08	Down	2.99	80.8	733	16.17	Down	987.6	250.4	1.327	82.7
09	Down	2.88	80.8	727	7.19	Down	987.3	250.2	1.327	95.2
10	Down	2.88	81.6	733	8.02	Down	996.9	250.6	1.327	90.0
11	Down	2.88	83.8	754	13.59	Down	1023.5	255.3	1.328	79.3
12	Down	2.90	84.1	760	15.71	Down	1027.3	256.3	1.328	82.6
13	Down	2.17	83.6	756	15.72	Down	1009.8	256.9	1.822	84.2
14	Down	0.54	83.0	749	15.72	Down	997.6	256.4	1.830	97.2
15	Down	3.00	83.0	750	15.72	Down	1005.1	254.3	1.817	97.7
16	Down	3.00	83.0	751	15.72	Down	1005.1	253.8	1.817	98.1
17	Down	2.98	83.0	758	13.14	Down	1005.1	255.3	1.817	93.1
18	Down	2.97	83.2	764	15.72	Down	1007.4	255.6	1.818	88.7
19	Down	2.96	83.0	762	11.05	Down	1005.0	256.2	1.818	93.6
20	Down	2.99	81.4	745	9.29	Down	985.9	250.7	1.817	94.8
21	Down	2.96	81.2	743	4.08	Down	983.4	250.3	1.817	93.5
22	Down	2.92	82.2	737	9.53	Down	995.3	249.7	1.818	90.3
23	Down	2.91	80.6	704	14.77	Down	976.0	248.2	1.817	83.1
Average	Down	2.79	81.8	741	11.99	Down	994.7	252	1.553	89
Total 30-Day Rlg Avg	Down	67.0	1962.8	17790	287.7	Down	23873.2	6051		87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 1, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	2.91	77.3	670	17.85	Down	945.4	245.1	1.327	86.1
01	Down	2.96	78.2	687	16.51	Down	956.4	245.7	1.327	79.4
02	Down	2.95	76.2	665	16.10	Down	932.1	234.8	1.326	89.6
03	Down	3.00	77.5	681	14.44	Down	948.0	238.0	1.326	80.9
04	Down	3.00	76.5	667	11.06	Down	935.9	218.3	1.326	93.1
05	Down	2.94	76.6	662	4.04	Down	937.0	216.8	1.326	98.2
06	Down	2.96	76.6	661	5.42	Down	937.0	219.4	1.326	89.2
07	Down	1.42	76.6	667	14.82	Down	933.1	222.5	1.331	82.9
08	Down	2.97	76.5	671	10.19	Down	935.8	220.4	1.326	89.5
09	Down	3.00	76.6	675	4.78	Down	937.1	220.8	1.326	88.8
10	Down	2.54	76.6	669	13.79	Down	936.0	217.6	1.328	79.8
11	Down	2.07	76.6	666	11.65	Down	934.8	215.8	1.328	90.3
12	Down	Down	76.6	663	5.27	Down	929.5	216.3	1.335	95.4
13	Down	Down	76.5	661	4.06	Down	928.3	216.9	1.335	90.0
14	Down	0.72	76.6	647	4.00	Down	931.3	202.6	1.332	95.8
15	Down	2.99	70.6	600	4.00	Down	864.3	200.0	1.325	98.7
16	Down	3.00	70.2	604	4.00	Down	859.4	197.0	1.325	99.0
17	Down	3.00	71.9	603	4.00	Down	880.0	199.8	1.325	98.5
18	Down	2.62	77.4	662	4.00	Down	945.9	219.1	1.328	91.1
19	Down	Down	79.4	678	13.53	Down	963.4	233.0	1.335	84.6
20	Down	Down	78.8	676	11.24	Down	956.2	233.6	1.335	89.4
21	Down	Down	78.5	673	15.25	Down	952.5	219.6	1.335	83.1
22	Down	Down	77.7	667	14.47	Down	942.8	222.3	1.335	88.8
23	Down	Down	77.7	671	8.20	Down	942.8	226.8	1.335	91.0
Average	Down	2.65	76.4	660	9.69	Down	931.9	221	1.329	90
Total	Down	45.1	1833.7	15846	232.7	Down	22365.0	5304		
30-Day Rtg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 2, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	78.3	672	6.41	Down	966.5	225.5	1.361	86.7
01	Down	0.67	80.9	690	12.34	Down	1000.1	229.2	1.359	86.0
02	Down	2.31	79.4	692	10.64	Down	985.3	236.6	1.355	91.3
03	Down	0.03	80.1	701	4.00	Down	988.9	232.8	1.361	95.2
04	Down	Down	82.4	724	11.65	Down	1017.1	239.2	1.361	86.6
05	Down	Down	82.6	728	8.95	Down	1019.6	240.9	1.361	92.4
06	Down	Down	82.6	726	4.03	Down	1019.6	241.3	1.361	91.4
07	Down	Down	83.2	728	6.13	Down	1027.0	242.6	1.361	82.8
08	Down	Down	85.0	736	16.50	Down	1049.2	243.9	1.361	78.4
09	Down	Down	82.7	729	11.22	Down	1020.8	242.7	1.361	89.1
10	Down	Down	81.1	727	4.00	Down	1001.1	243.1	1.361	96.2
11	Down	Down	81.4	729	4.00	Down	1004.8	243.3	1.361	90.6
12	Down	Down	82.3	732	7.37	Down	1015.9	244.2	1.361	82.3
13	Down	Down	83.1	734	11.42	Down	1025.8	245.9	1.361	85.7
14	Down	Down	83.2	740	8.68	Down	1027.0	247.3	1.361	88.7
15	Down	Down	83.0	742	11.14	Down	1024.6	249.2	1.361	83.7
16	Down	Down	82.9	739	10.38	Down	1023.3	250.0	1.361	87.4
17	Down	Down	83.6	744	11.72	Down	1032.0	254.3	1.361	85.5
18	Down	Down	85.3	762	15.98	Down	1052.9	258.0	1.361	83.5
19	Down	Down	86.0	769	14.43	Down	1061.6	255.9	1.361	83.8
20	Down	Down	83.8	750	12.02	Down	1034.4	249.8	1.361	89.1
21	Down	Down	84.0	746	6.96	Down	1036.9	250.1	1.361	89.5
22	Down	Down	84.4	743	7.80	Down	1041.8	250.1	1.361	82.2
23	Down	Down	84.7	739	13.62	Down	1045.5	250.3	1.361	83.4
Average	Down	1.00	82.8	730	9.64	Down	1021.7	244	1.361	87
Total	Down	3.0	1986.0	17522	231.4	Down	24521.7	5866		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 3, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	84.4	749	12.66	Down	1074.2	250.2	1.383	90.3
01	Down	Down	84.1	748	6.81	Down	1070.4	250.1	1.383	89.4
02	Down	Down	84.0	745	8.34	Down	1069.2	250.3	1.383	86.0
03	Down	Down	84.0	746	12.10	Down	1069.2	250.2	1.383	88.1
04	Down	Down	84.0	742	5.88	Down	1069.2	250.6	1.383	92.6
05	Down	Down	84.0	744	4.81	Down	1069.2	249.9	1.383	87.1
06	Down	Down	84.5	742	6.63	Down	1075.5	249.7	1.383	86.1
07	Down	Down	85.7	750	7.36	Down	1090.8	250.4	1.383	85.0
08	Down	Down	85.8	744	12.12	Down	1092.1	250.2	1.383	82.3
09	Down	Down	85.5	747	10.61	Down	1088.2	250.6	1.383	90.8
10	Down	Down	85.5	753	8.55	Down	1088.2	250.5	1.383	85.6
11	Down	Down	86.9	767	13.63	Down	1106.1	254.6	1.383	83.0
12	Down	Down	86.4	771	16.06	Down	1099.7	255.8	1.383	85.4
13	Down	Down	86.4	773	10.17	Down	1099.7	256.1	1.383	90.4
14	Down	Down	86.4	774	8.54	Down	1099.7	255.7	1.383	86.7
15	Down	Down	86.4	766	10.32	Down	1099.7	246.3	1.383	85.3
16	Down	Down	82.3	708	11.53	Down	1047.5	234.8	1.383	82.6
17	Down	Down	77.9	664	16.35	Down	991.5	235.5	1.383	87.1
18	Down	Down	77.8	672	16.34	Down	990.2	237.9	1.383	93.2
19	Down	Down	77.9	675	9.53	Down	991.5	240.0	1.383	97.0
20	Down	Down	77.8	688	4.00	Down	990.2	243.5	1.383	98.5
21	Down	Down	77.8	686	4.00	Down	990.2	237.8	1.383	98.8
22	Down	Down	79.3	693	4.00	Down	1009.3	238.7	1.383	96.5
23	Down	Down	81.3	714	4.00	Down	1034.8	241.6	1.383	91.3
Average	Down	Down	83.2	732	9.35	Down	1058.6	247	1.383	89
Total	Down	Down	1996.1	17561	224.3	Down	25406.3	5934		
30-Day Rlg Avg										88



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 4, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	82.0	721	4.83	Down	1036.2	230.7	1.345	82.9
01	Down	Down	82.0	716	12.25	Down	1036.2	233.8	1.345	87.1
02	Down	Down	76.4	677	7.02	Down	965.4	217.4	1.345	93.7
03	Down	Down	71.0	612	4.00	Down	897.2	185.5	1.345	98.4
04	Down	Down	78.7	680	7.08	Down	994.5	213.4	1.345	86.2
05	Down	Down	82.6	721	13.62	Down	1043.7	227.3	1.345	89.1
06	Down	Down	84.0	744	12.02	Down	1061.4	235.7	1.345	87.7
07	Down	Down	84.0	752	16.02	Down	1061.4	241.5	1.345	88.0
08	Down	Down	84.0	756	10.94	Down	1061.4	231.2	1.345	91.3
09	Down	2.46	84.4	757	7.44	Down	1071.5	231.5	1.340	86.2
10	Down	3.00	84.9	754	15.96	Down	1078.9	230.6	1.338	86.8
11	Down	3.00	84.9	757	14.91	Down	1078.9	236.2	1.338	86.4
12	Down	3.00	84.5	761	11.58	Down	1073.8	238.2	1.338	89.5
13	Down	3.00	82.4	750	5.52	Down	1047.3	235.3	1.338	93.4
14	Down	3.00	84.6	763	12.65	Down	1075.1	244.1	1.338	83.1
15	Down	3.00	84.9	771	14.98	Down	1078.9	246.6	1.338	86.7
16	Down	3.00	84.9	775	16.05	Down	1078.9	250.0	1.338	81.8
17	Down	3.00	84.9	773	16.16	Down	1078.9	251.6	1.338	84.8
18	Down	3.00	84.6	778	16.13	Down	1075.1	252.7	1.338	75.3
19	Down	3.00	83.2	770	14.26	Down	1057.4	252.6	1.338	86.8
20	Down	3.00	82.4	764	6.38	Down	1047.3	249.9	1.338	92.8
21	Down	3.00	80.4	747	4.00	Down	1022.0	244.2	1.338	93.1
22	Down	3.00	78.1	719	4.00	Down	993.0	235.3	1.338	92.1
23	Down	3.00	78.1	715	4.00	Down	993.0	234.8	1.338	91.9
Average	Down	2.96	82.2	739	10.49	Down	1042.0	236	1.341	88
Total	Down	44.5	1971.9	17733	251.8	Down	25007.4	5652		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 5, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	78.3	715	4.00	Down	998.0	235.1	1.351	92.3
01	Down	3.00	78.5	710	4.00	Down	1000.5	235.0	1.351	89.3
02	Down	3.00	78.7	712	6.40	Down	1003.1	235.1	1.351	81.2
03	Down	3.00	79.5	716	12.38	Down	1013.2	234.6	1.351	82.8
04	Down	3.00	81.6	737	15.18	Down	1039.7	243.2	1.352	76.3
05	Down	3.00	83.1	757	15.10	Down	1058.7	249.8	1.352	87.2
06	Down	3.00	83.6	762	10.22	Down	1065.0	250.0	1.352	89.0
07	Down	3.00	83.4	760	10.41	Down	1062.5	249.9	1.352	84.3
08	Down	3.00	83.6	761	14.93	Down	1065.0	249.9	1.352	80.3
09	Down	3.00	83.3	710	14.21	Down	1061.2	249.9	1.352	87.8
10	Down	1.63	83.1	757	15.79	Down	1055.1	249.7	1.355	100.0
11	Down	1.26	84.3	574	12.00	Down	1069.3	253.5	1.357	100.0
12	Down	Down	84.0	328	6.65	Down	1062.2	254.3	1.360	100.0
13	Down	Down	84.6	463	9.61	Down	1069.8	253.6	1.360	76.4
14	Down	2.40	84.7	776	15.13	Down	1077.3	255.0	1.353	86.5
15	Down	3.00	84.8	780	11.45	Down	1080.2	256.1	1.352	88.7
16	Down	3.00	84.8	783	10.23	Down	1080.2	257.0	1.352	87.6
17	Down	3.00	84.8	784	9.73	Down	1080.2	257.3	1.352	86.8
18	Down	3.00	84.8	787	6.57	Down	1080.2	257.4	1.352	86.5
19	Down	3.00	84.7	787	4.92	Down	1078.9	257.0	1.352	87.6
20	Down	3.00	82.3	762	4.03	Down	1048.6	250.8	1.352	96.4
21	Down	3.00	78.8	728	4.00	Down	1004.3	240.4	1.351	99.3
22	Down	3.00	78.2	717	4.00	Down	996.7	238.4	1.351	99.2
23	Down	3.00	77.4	714	4.00	Down	986.6	235.6	1.351	98.6
Average	Down	2.83	82.3	712	9.37	Down	1047.4	248	1.353	89
Total	Down	62.3	1974.9	17080	224.9	Down	25136.5	5949		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 6, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	76.0	693	4.00	Down	948.5	230.2	1.253	98.6
01	Down	3.00	76.2	695	4.00	Down	951.0	229.8	1.253	97.3
02	Down	3.00	76.5	690	4.00	Down	954.7	228.1	1.253	95.6
03	Down	3.00	76.9	690	4.00	Down	959.6	229.9	1.253	93.4
04	Down	3.00	74.2	663	4.00	Down	926.4	219.5	1.253	95.2
05	Down	3.00	73.8	660	4.00	Down	921.5	217.9	1.252	94.8
06	Down	3.00	79.5	698	11.78	Down	991.6	234.3	1.254	86.6
07	Down	3.00	80.1	722	16.18	Down	998.9	239.2	1.254	85.2
08	Down	1.54	82.5	739	16.49	Down	1021.6	246.9	1.262	80.3
09	Down	2.70	75.1	680	12.51	Down	936.1	222.7	1.255	99.0
10	Down	3.00	78.4	690	11.92	Down	978.0	228.6	1.254	89.2
11	Down	3.00	82.0	742	17.09	Down	1022.3	250.9	1.254	83.7
12	Down	3.00	82.3	752	17.09	Down	1026.0	253.2	1.254	76.6
13	Down	3.00	81.8	740	17.09	Down	1019.8	251.5	1.254	87.8
14	Down	3.00	82.5	745	16.81	Down	1028.5	251.9	1.254	81.3
15	Down	3.00	82.5	747	14.94	Down	1028.5	252.8	1.254	84.4
16	Down	3.00	83.7	756	11.96	Down	1043.2	253.8	1.255	85.7
17	Down	3.00	83.8	762	12.31	Down	1044.4	254.3	1.255	82.4
18	Down	3.00	83.8	757	16.46	Down	1044.4	252.3	1.255	81.1
19	Down	3.00	83.8	751	16.24	Down	1044.4	251.4	1.255	82.7
20	Down	3.00	82.7	744	13.64	Down	1030.9	249.5	1.255	89.7
21	Down	3.00	78.4	711	4.19	Down	978.0	236.5	1.254	99.7
22	Down	3.00	78.3	713	4.00	Down	976.8	238.0	1.254	99.3
23	Down	3.00	78.4	725	4.00	Down	978.0	238.4	1.254	98.3
Average	Down	2.93	79.7	719	10.78	Down	993.9	240	1.254	89
Total	Down	70.2	1913.2	17265	258.7	Down	23853.1	5763		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 7, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	78.4	720	4.00	Down	1002.5	236.9	1.255	98.9
01	Down	3.00	78.3	725	3.95	Down	1001.3	238.5	1.255	98.2
02	Down	3.00	75.0	690	3.27	Down	959.6	226.5	1.254	99.6
03	Down	3.00	77.7	705	5.31	Down	993.7	233.9	1.254	93.3
04	Down	3.00	82.3	749	13.47	Down	1051.8	250.6	1.255	88.1
05	Down	3.00	81.5	746	5.64	Down	1041.7	250.6	1.255	90.3
06	Down	3.00	80.9	298	1.60	Down	1034.1	250.1	1.255	89.1
07	Down	3.00	81.5	741	4.00	Down	1041.7	249.6	1.255	87.3
08	Down	3.00	81.2	735	8.99	Down	1037.9	249.3	1.255	73.9
09	Down	3.00	81.3	725	13.20	Down	1039.2	250.0	1.255	88.0
10	Down	3.00	82.1	746	11.13	Down	1049.3	251.3	1.255	87.0
11	Down	3.00	83.3	758	13.55	Down	1064.4	255.2	1.255	86.6
12	Down	3.00	83.9	759	15.66	Down	1072.0	254.2	1.256	85.9
13	Down	3.00	84.0	763	15.26	Down	1073.3	254.9	1.256	84.7
14	Down	3.00	84.2	764	16.37	Down	1075.8	255.7	1.256	82.4
15	Down	3.00	83.9	766	15.92	Down	1072.0	255.5	1.256	84.5
16	Down	3.00	84.0	767	9.46	Down	1073.3	255.6	1.256	90.8
17	Down	3.00	84.4	774	4.48	Down	1078.3	257.4	1.256	87.2
18	Down	3.00	84.6	778	4.10	Down	1080.9	258.5	1.256	86.7
19	Down	3.00	84.6	777	4.71	Down	1080.9	257.9	1.256	85.4
20	Down	3.00	79.8	728	4.00	Down	1020.2	242.2	1.255	96.2
21	Down	3.00	78.0	693	4.00	Down	997.5	232.8	1.255	97.6
22	Down	3.00	78.2	694	4.00	Down	1000.0	233.2	1.255	89.3
23	Down	3.00	79.0	707	5.39	Down	1010.1	236.9	1.255	82.6
Average	Down	3.00	81.3	721	7.98	Down	1039.6	248	1.255	89
Total	Down	72.0	1952.1	17308	191.5	Down	24951.5	5940		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 8, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	79.0	714	6.52	Down	1009.9	237.9	1.256	86.6
01	Down	3.00	79.0	709	5.14	Down	1009.9	237.1	1.256	85.8
02	Down	2.60	79.0	705	8.61	Down	1008.0	237.2	1.257	81.0
03	Down	3.00	79.1	705	9.29	Down	1011.2	234.8	1.256	88.7
04	Down	3.00	79.3	710	7.59	Down	1013.7	238.9	1.256	85.6
05	Down	3.00	80.0	711	8.90	Down	1022.5	240.7	1.256	83.4
06	Down	3.00	82.9	741	11.99	Down	1059.1	250.7	1.255	91.5
07	Down	3.00	82.3	739	4.28	Down	1051.5	250.1	1.255	88.4
08	Down	3.00	83.1	739	6.32	Down	1061.6	249.7	1.255	82.6
09	Down	3.00	84.2	736	12.42	Down	1075.5	249.8	1.256	83.3
10	Down	3.00	85.1	750	15.62	Down	1086.8	251.1	1.256	86.2
11	Down	3.00	86.8	767	15.25	Down	1108.3	257.0	1.256	84.2
12	Down	3.00	85.9	767	13.90	Down	1096.9	256.8	1.256	86.2
13	Down	3.00	86.0	770	9.66	Down	1098.2	257.2	1.256	88.1
14	Down	3.00	86.2	772	9.57	Down	1100.7	257.8	1.256	82.7
15	Down	3.00	86.6	773	12.49	Down	1105.8	257.6	1.256	83.8
16	Down	3.00	87.0	772	13.70	Down	1110.8	257.3	1.256	84.3
17	Down	3.00	87.0	772	15.89	Down	1110.8	257.6	1.256	84.6
18	Down	3.00	87.0	776	13.05	Down	1110.8	257.5	1.256	85.8
19	Down	3.00	86.7	774	16.00	Down	1107.0	258.4	1.256	83.9
20	Down	3.00	82.9	739	7.43	Down	1059.1	247.5	1.255	94.8
21	Down	3.00	81.8	722	4.06	Down	1045.2	244.4	1.255	90.8
22	Down	3.00	81.3	725	8.28	Down	1038.9	241.9	1.255	82.1
23	Down	3.00	79.7	708	7.20	Down	1018.8	241.7	1.256	92.8
Average	Down	2.98	83.2	742	10.13	Down	1063.4	249	1.256	86
Total	Down	71.6	1997.9	17796	243.2	Down	25521.0	5973		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 9, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	81.8	725	7.39	Down	1021.0	242.7	1.332	83.5
01	Down	3.00	81.8	723	9.52	Down	1021.0	242.7	1.332	85.7
02	Down	3.00	81.8	726	10.29	Down	1021.0	242.4	1.332	83.3
03	Down	3.00	81.9	728	12.80	Down	1022.2	242.5	1.332	89.7
04	Down	3.00	83.9	748	12.69	Down	1046.9	250.3	1.332	83.0
05	Down	3.00	83.7	637	13.54	Down	1044.4	250.0	1.332	84.3
06	Down	3.00	83.2	677	12.56	Down	1038.2	250.9	1.332	85.4
07	Down	3.00	83.1	751	14.38	Down	1037.0	250.5	1.332	85.4
08	Down	3.00	83.0	752	13.86	Down	1035.8	249.7	1.332	88.0
09	Down	3.00	82.8	750	7.22	Down	1033.3	249.9	1.332	91.1
10	Down	3.00	83.2	747	7.60	Down	1038.2	249.8	1.332	87.4
11	Down	3.00	85.5	778	16.49	Down	1066.6	257.3	1.333	75.0
12	Down	3.00	85.0	774	15.78	Down	1060.4	256.7	1.333	86.4
13	Down	3.00	85.0	779	16.12	Down	1060.4	257.6	1.333	82.9
14	Down	3.00	84.7	776	14.08	Down	1056.7	257.6	1.332	89.3
15	Down	3.00	84.8	776	6.24	Down	1058.0	257.2	1.332	90.5
16	Down	3.00	85.0	778	4.27	Down	1060.4	257.3	1.333	86.9
17	Down	3.00	85.0	776	8.51	Down	1060.4	258.1	1.333	82.4
18	Down	3.00	85.0	774	13.74	Down	1060.4	257.4	1.333	81.5
19	Down	3.00	84.2	773	12.37	Down	1050.6	257.4	1.332	86.6
20	Down	3.00	79.8	726	4.01	Down	996.3	244.0	1.332	97.1
21	Down	3.00	79.9	723	4.00	Down	997.5	242.5	1.332	92.4
22	Down	3.00	79.9	714	4.00	Down	997.5	241.9	1.332	92.3
23	Down	3.00	80.6	724	12.14	Down	1006.2	244.6	1.332	87.4
Average	Down	3.00	83.1	743	10.57	Down	1037.1	251	1.332	87
Total	Down	72.0	1994.6	17835	253.6	Down	24890.4	6013		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 10, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	81.4	737	9.75	Down	1039.1	247.9	1.287	85.6
01	Down	3.00	81.7	747	12.38	Down	1042.9	250.3	1.287	85.5
02	Down	3.00	81.2	742	7.91	Down	1036.6	249.9	1.287	88.9
03	Down	3.00	80.9	743	10.99	Down	1032.8	250.2	1.287	82.8
04	Down	3.00	80.9	741	9.04	Down	1032.8	249.9	1.287	93.1
05	Down	3.00	80.1	737	4.52	Down	1022.7	250.4	1.287	88.1
06	Down	3.00	80.2	734	6.62	Down	1024.0	249.8	1.287	85.5
07	Down	3.00	80.6	733	4.60	Down	1029.0	250.5	1.287	86.6
08	Down	0.09	80.9	728	11.99	Down	1021.9	250.1	1.299	82.4
09	Down	0.45	81.0	734	10.91	Down	1024.6	250.0	1.297	90.2
10	Down	1.47	70.1	622	9.22	Down	890.8	238.1	1.292	93.7
11	Down	3.00	83.2	753	15.73	Down	1061.9	255.2	1.287	78.9
12	Down	3.00	83.0	769	15.74	Down	1059.3	258.3	1.287	81.0
13	Down	3.00	83.0	769	15.73	Down	1059.3	257.5	1.287	91.4
14	Down	3.00	83.0	771	15.73	Down	1059.3	258.1	1.287	89.4
15	Down	3.00	83.0	772	15.73	Down	1059.3	257.7	1.287	92.5
16	Down	3.00	83.0	772	15.74	Down	1059.3	258.3	1.287	94.8
17	Down	3.00	83.0	777	10.20	Down	1059.3	258.6	1.287	95.7
18	Down	3.00	82.6	779	4.00	Down	1054.3	258.7	1.287	93.4
19	Down	3.00	82.0	770	4.07	Down	1046.7	258.1	1.287	87.5
20	Down	3.00	79.9	745	4.00	Down	1020.2	250.9	1.287	90.1
21	Down	3.00	79.8	741	7.51	Down	1018.9	249.7	1.287	85.5
22	Down	3.00	80.7	742	6.53	Down	1030.3	250.4	1.287	89.7
23	Down	3.00	80.7	748	8.88	Down	1030.3	250.3	1.287	81.7
Average	Down	2.71	81.1	746	9.90	Down	1034.0	252	1.288	88
Total	Down	65.0	1945.9	17906	237.5	Down	24815.6	6052		
30-Day Rig Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 11, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	80.1	734	12.49	Down	1055.3	247.7	1.339	90.0
01	Down	3.00	78.9	729	6.76	Down	1039.7	246.3	1.339	88.3
02	Down	3.00	79.0	729	7.62	Down	1041.0	245.2	1.339	85.7
03	Down	3.00	79.4	729	8.42	Down	1046.2	247.0	1.339	83.5
04	Down	3.00	79.0	727	13.39	Down	1041.0	248.4	1.339	88.9
05	Down	3.00	75.5	700	5.31	Down	995.7	252.1	1.339	96.1
06	Down	3.00	73.2	680	4.00	Down	965.9	251.1	1.338	96.4
07	Down	3.00	74.1	686	4.00	Down	977.6	250.6	1.339	93.6
08	Down	3.00	73.3	676	4.00	Down	967.2	250.7	1.338	90.9
09	Down	3.00	73.9	678	4.90	Down	975.0	250.3	1.338	83.9
10	Down	3.00	74.4	679	9.81	Down	981.5	250.5	1.339	82.7
11	Down	3.00	74.6	691	15.96	Down	984.0	258.0	1.339	88.9
12	Down	3.00	74.1	695	13.54	Down	977.6	258.1	1.339	93.8
13	Down	3.00	74.6	692	4.85	Down	984.0	258.2	1.339	94.1
14	Down	3.00	74.9	691	4.00	Down	987.9	257.9	1.339	89.4
15	Down	3.00	74.9	690	5.17	Down	987.9	258.2	1.339	83.7
16	Down	3.00	74.5	695	12.90	Down	982.7	258.0	1.339	82.5
17	Down	2.98	76.1	708	10.88	Down	1003.4	257.0	1.339	88.9
18	Down	2.76	79.2	735	13.67	Down	1042.2	257.5	1.341	88.1
19	Down	3.00	79.3	735	8.06	Down	1044.9	256.3	1.339	89.5
20	Down	3.00	80.6	743	9.53	Down	1061.8	251.2	1.339	84.4
21	Down	3.00	79.8	731	8.23	Down	1051.4	250.6	1.339	86.3
22	Down	3.00	80.5	736	11.39	Down	1060.5	250.3	1.339	83.9
23	Down	3.00	72.5	665	6.59	Down	956.8	223.4	1.338	94.2
Average	Down	2.99	76.5	706	8.56	Down	1008.8	251	1.339	89
Total	Down	71.7	1836.4	16954	205.5	Down	24211.2	6034		
30-Day Rlg Avg										88



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 12, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	1.64	49.5	453	4.00	Down	630.5	127.5	1.542	99.7
01	Down	Down	44.7	380	4.00	Down	560.3	89.6	1.564	100.0
02	Down	Down	45.0	384	4.00	Down	564.0	91.2	1.564	100.0
03	Down	1.65	45.3	386	4.00	Down	577.9	92.3	1.540	100.0
04	Down	3.00	45.2	392	4.00	Down	585.0	91.7	1.521	100.0
05	Down	3.00	50.3	422	5.34	Down	649.0	108.0	1.525	100.0
06	Down	3.00	75.1	655	8.29	Down	959.8	220.7	1.538	89.6
07	Down	3.00	81.3	734	15.29	Down	1037.5	249.6	1.539	89.2
08	Down	3.00	81.7	741	14.83	Down	1042.5	250.4	1.539	91.5
09	Down	3.00	81.2	747	12.10	Down	1036.3	250.5	1.539	89.3
10	Down	3.00	80.8	745	9.37	Down	1031.2	250.7	1.539	88.9
11	Down	3.00	83.0	757	16.11	Down	1058.8	256.5	1.540	87.7
12	Down	3.00	83.0	758	13.79	Down	1058.8	255.8	1.540	92.9
13	Down	3.00	83.1	769	14.22	Down	1060.1	256.6	1.540	82.3
14	Down	3.00	83.1	773	16.48	Down	1060.1	256.6	1.540	85.6
15	Down	3.00	83.7	774	13.17	Down	1067.6	257.8	1.540	91.6
16	Down	3.00	83.8	774	5.61	Down	1068.8	258.0	1.540	91.6
17	Down	3.00	83.8	769	9.10	Down	1068.8	258.2	1.540	85.8
18	Down	3.00	83.9	772	16.50	Down	1070.1	258.4	1.540	83.5
19	Down	3.00	83.6	770	13.90	Down	1066.3	258.0	1.540	90.0
20	Down	3.00	81.0	742	5.45	Down	1033.8	250.7	1.539	92.2
21	Down	3.00	81.0	739	8.47	Down	1033.8	250.3	1.539	86.8
22	Down	3.00	80.8	741	15.84	Down	1031.2	250.3	1.539	85.7
23	Down	3.00	80.8	743	11.56	Down	1031.2	250.1	1.539	90.7
Average	Down	2.88	73.1	663	10.23	Down	932.6	214	1.540	91
Total	Down	63.3	1754.7	15920	245.4	Down	22383.4	5142		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 13, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	79.7	738	8.27	Down	1023.0	247.3	1.344	88.1
01	Down	3.00	79.6	734	8.23	Down	1021.7	246.9	1.344	84.7
02	Down	3.00	79.7	725	9.76	Down	1023.0	246.7	1.344	85.3
03	Down	3.00	79.8	733	10.54	Down	1024.2	247.4	1.344	87.1
04	Down	3.00	79.7	729	7.97	Down	1023.0	247.4	1.344	89.4
05	Down	3.00	80.5	734	5.11	Down	1033.2	250.8	1.343	86.0
06	Down	3.00	80.2	731	8.05	Down	1029.3	250.2	1.343	84.3
07	Down	2.09	80.5	735	8.05	Down	1031.0	250.1	1.345	79.1
08	Down	0.36	80.9	731	8.18	Down	1031.6	250.3	1.349	87.5
09	Down	3.00	81.1	737	14.97	Down	1040.8	250.3	1.343	81.6
10	Down	3.00	81.3	744	13.02	Down	1043.3	251.2	1.343	89.1
11	Down	3.00	83.5	764	14.18	Down	1071.4	256.7	1.344	86.8
12	Down	3.00	82.4	765	15.83	Down	1057.4	257.9	1.343	85.3
13	Down	3.00	83.0	768	12.10	Down	1065.0	258.4	1.343	87.7
14	Down	3.00	83.0	773	11.72	Down	1065.0	258.5	1.343	85.8
15	Down	3.00	83.2	769	8.85	Down	1067.6	257.7	1.344	90.3
16	Down	3.00	83.0	770	4.72	Down	1065.0	258.3	1.343	86.8
17	Down	3.00	82.6	766	14.38	Down	1059.9	258.3	1.343	77.9
18	Down	3.00	82.5	765	12.42	Down	1058.6	257.5	1.343	85.4
19	Down	3.00	82.9	769	8.24	Down	1063.7	258.2	1.343	88.8
20	Down	3.00	80.7	740	4.34	Down	1035.7	251.0	1.343	87.6
21	Down	3.00	80.6	736	5.81	Down	1034.4	249.9	1.343	84.4
22	Down	3.00	80.9	738	11.61	Down	1038.2	250.0	1.343	82.9
23	Down	3.00	81.0	734	10.56	Down	1039.5	249.9	1.343	82.4
Average	Down	2.85	81.3	747	9.87	Down	1043.6	253	1.344	86
Total	Down	68.5	1952.3	17928	236.9	Down	25045.5	6060		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 14, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	81.0	741	14.94	Down	1025.3	250.2	1.363	87.5
01	Down	3.00	81.0	740	6.20	Down	1025.3	251.3	1.363	92.1
02	Down	3.00	81.0	741	4.55	Down	1025.3	251.0	1.363	87.5
03	Down	3.00	81.0	740	10.70	Down	1025.3	249.7	1.363	80.5
04	Down	3.00	81.0	734	11.41	Down	1025.3	250.5	1.363	90.5
05	Down	3.00	80.5	733	6.35	Down	1019.1	250.1	1.363	85.7
06	Down	3.00	81.4	738	10.70	Down	1030.4	250.5	1.362	84.9
07	Down	3.00	81.5	736	10.24	Down	1031.6	250.3	1.362	85.9
08	Down	3.00	81.9	739	11.96	Down	1036.7	250.8	1.362	85.7
09	Down	3.00	81.9	740	13.20	Down	1036.7	250.4	1.362	83.5
10	Down	3.00	82.0	746	16.49	Down	1037.9	250.5	1.362	83.3
11	Down	3.00	83.1	756	15.94	Down	1051.7	254.9	1.362	84.7
12	Down	3.00	84.0	771	9.00	Down	1063.0	257.0	1.362	86.5
13	Down	3.00	83.8	769	11.87	Down	1060.5	257.6	1.362	82.4
14	Down	3.00	83.0	764	15.00	Down	1050.5	256.9	1.362	83.0
15	Down	3.00	82.7	761	15.19	Down	1046.7	256.9	1.362	85.0
16	Down	3.00	83.0	763	13.67	Down	1050.5	256.9	1.362	86.6
17	Down	3.00	83.0	762	8.81	Down	1050.5	258.0	1.362	90.2
18	Down	3.00	82.7	765	12.68	Down	1046.7	258.6	1.362	80.3
19	Down	3.00	82.0	756	14.26	Down	1037.9	257.5	1.362	88.3
20	Down	3.00	80.4	742	13.32	Down	1017.8	250.6	1.363	89.6
21	Down	3.00	80.0	739	9.27	Down	1012.8	250.1	1.363	88.7
22	Down	3.00	80.0	738	5.21	Down	1012.8	250.4	1.363	90.2
23	Down	3.00	80.0	734	4.24	Down	1012.8	250.6	1.363	87.5
Average	Down	3.00	81.7	748	11.05	Down	1034.7	253	1.362	86
Total	Down	72.0	1961.9	17948	265.2	Down	24833.1	6074		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 15, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	80.1	729	5.20	Down	1013.6	250.0	1.284	84.0
01	Down	3.00	80.5	733	14.38	Down	1018.6	249.6	1.285	77.0
02	Down	3.00	80.1	731	14.21	Down	1013.6	250.3	1.284	89.2
03	Down	3.00	80.3	733	11.66	Down	1016.1	250.1	1.284	92.4
04	Down	3.00	80.4	735	5.19	Down	1017.3	250.4	1.284	88.8
05	Down	3.00	80.2	731	4.75	Down	1014.8	250.5	1.284	84.0
06	Down	3.00	80.1	731	10.77	Down	1013.6	250.9	1.284	78.9
07	Down	3.00	80.0	725	11.86	Down	1012.3	250.4	1.284	89.5
08	Down	3.00	79.8	729	9.37	Down	1009.8	250.6	1.284	82.7
09	Down	3.00	79.1	732	16.06	Down	1001.0	250.4	1.284	80.7
10	Down	3.00	79.7	733	13.81	Down	1008.5	251.3	1.284	88.6
11	Down	3.00	82.5	752	13.78	Down	1043.7	256.8	1.284	82.9
12	Down	3.00	83.0	761	14.37	Down	1050.0	257.3	1.284	84.3
13	Down	3.00	83.0	768	16.50	Down	1050.0	258.7	1.284	77.1
14	Down	3.00	82.6	760	13.31	Down	1045.0	258.6	1.284	88.9
15	Down	3.00	82.5	760	8.20	Down	1043.7	257.9	1.284	87.5
16	Down	3.00	83.0	760	10.85	Down	1050.0	258.9	1.284	81.4
17	Down	3.00	83.0	759	12.71	Down	1050.0	258.7	1.284	84.6
18	Down	3.00	82.3	762	15.59	Down	1041.2	258.1	1.284	83.4
19	Down	3.00	82.7	762	9.70	Down	1046.2	257.6	1.284	88.3
20	Down	3.00	79.8	729	4.38	Down	1009.8	246.4	1.284	93.2
21	Down	3.00	79.9	727	4.09	Down	1011.0	245.5	1.284	88.2
22	Down	3.00	80.2	723	4.51	Down	1014.8	246.1	1.284	84.7
23	Down	3.00	80.3	722	9.32	Down	1016.1	246.3	1.284	78.5
Average	Down	3.00	81.0	741	10.61	Down	1025.4	253	1.284	85
Total	Down	72.0	1945.1	17787	254.6	Down	24610.7	6062		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 16, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	80.2	722	12.51	Down	1014.8	245.9	1.284	89.1
01	Down	3.00	81.0	735	9.30	Down	1024.9	249.7	1.285	86.1
02	Down	3.00	81.2	738	13.40	Down	1027.4	248.5	1.285	84.4
03	Down	3.00	81.9	740	15.47	Down	1036.2	249.5	1.284	88.1
04	Down	3.00	81.6	739	9.02	Down	1032.4	250.7	1.284	91.0
05	Down	3.00	81.2	734	4.12	Down	1027.4	250.6	1.285	88.1
06	Down	3.00	81.5	729	9.50	Down	1031.1	250.3	1.284	85.8
07	Down	3.00	82.1	732	12.23	Down	1038.7	250.7	1.284	84.0
08	Down	3.00	82.4	735	14.06	Down	1042.4	250.8	1.284	85.7
09	Down	3.00	82.1	740	13.68	Down	1038.7	250.9	1.284	83.6
10	Down	3.00	82.2	741	9.50	Down	1039.9	250.9	1.284	81.7
11	Down	3.00	83.6	749	16.50	Down	1057.5	254.8	1.284	79.1
12	Down	3.00	84.2	753	16.38	Down	1065.1	255.9	1.284	82.7
13	Down	3.00	84.0	756	15.89	Down	1062.5	255.7	1.284	86.1
14	Down	3.00	84.0	762	10.80	Down	1062.5	257.0	1.284	83.6
15	Down	3.00	83.5	758	14.64	Down	1056.3	256.8	1.284	82.1
16	Down	3.00	82.8	755	14.79	Down	1047.5	256.5	1.284	78.3
17	Down	3.00	82.9	756	16.34	Down	1048.7	256.7	1.284	83.1
18	Down	3.00	83.1	763	16.47	Down	1051.2	257.4	1.284	75.5
19	Down	3.00	82.9	758	16.03	Down	1048.7	256.4	1.284	84.4
20	Down	3.00	78.5	717	10.78	Down	993.5	239.5	1.284	90.9
21	Down	3.00	77.2	704	4.83	Down	977.1	234.7	1.284	90.0
22	Down	3.00	77.1	699	8.14	Down	975.9	234.0	1.284	80.5
23	Down	3.00	77.1	696	9.38	Down	975.9	233.9	1.284	85.6
Average	Down	3.00	81.6	738	12.24	Down	1032.3	250	1.284	85
Total	Down	72.0	1958.3	17711	293.8	Down	24776.3	6002		
30-Day Rig Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 17, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	77.1	700	9.99	Down	998.1	234.2	1.331	86.9
01	Down	3.00	77.1	697	5.55	Down	998.1	233.3	1.331	90.3
02	Down	3.00	77.1	694	4.33	Down	998.1	233.0	1.331	85.9
03	Down	3.00	77.1	689	5.45	Down	998.1	232.8	1.331	84.5
04	Down	3.00	81.2	721	14.50	Down	1050.7	246.4	1.332	75.0
05	Down	3.00	80.3	727	16.05	Down	1039.1	249.6	1.332	82.7
06	Down	3.00	80.1	727	12.62	Down	1036.6	249.7	1.332	88.5
07	Down	3.00	80.5	728	7.98	Down	1041.7	249.8	1.332	89.6
08	Down	3.00	81.5	733	9.56	Down	1054.5	250.6	1.332	82.5
09	Down	3.00	81.2	732	13.37	Down	1050.7	250.5	1.332	83.7
10	Down	3.00	81.3	736	16.48	Down	1052.0	250.4	1.332	80.0
11	Down	3.00	80.9	742	15.40	Down	1046.8	253.4	1.332	86.3
12	Down	3.00	81.9	750	13.87	Down	1059.7	253.8	1.332	86.8
13	Down	3.00	83.0	757	14.88	Down	1073.8	255.5	1.332	84.4
14	Down	3.00	83.0	760	16.21	Down	1073.8	255.6	1.332	85.4
15	Down	3.00	82.3	761	14.96	Down	1064.8	255.4	1.332	81.4
16	Down	3.00	81.8	756	14.01	Down	1058.4	254.9	1.332	88.0
17	Down	3.00	82.2	762	6.97	Down	1063.5	256.4	1.332	90.0
18	Down	3.00	82.9	765	7.83	Down	1072.5	258.3	1.332	83.9
19	Down	3.00	82.9	761	11.40	Down	1072.5	257.7	1.332	84.8
20	Down	3.00	78.8	730	4.96	Down	1019.9	241.5	1.331	92.0
21	Down	3.00	77.3	702	4.00	Down	1000.6	235.9	1.331	91.3
22	Down	3.00	77.0	696	4.14	Down	996.8	235.4	1.331	86.9
23	Down	3.00	77.1	695	4.90	Down	998.1	234.7	1.331	85.8
Average	Down	3.00	80.2	730	10.39	Down	1038.3	247	1.332	86
Total	Down	72.0	1925.6	17521	249.4	Down	24918.9	5930		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 18, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	81.3	729	13.44	Down	1037.3	247.1	1.240	83.7
01	Down	3.00	81.7	744	12.30	Down	1042.4	250.6	1.240	86.4
02	Down	3.00	81.9	748	12.82	Down	1044.9	249.8	1.240	84.6
03	Down	3.00	82.0	750	10.99	Down	1046.2	250.5	1.240	89.2
04	Down	3.00	81.9	746	8.70	Down	1044.9	250.7	1.240	85.2
05	Down	3.00	82.0	749	8.43	Down	1046.2	250.5	1.240	84.9
06	Down	3.00	82.3	754	11.19	Down	1050.0	249.9	1.240	81.9
07	Down	3.00	82.4	756	16.19	Down	1051.3	249.1	1.240	80.2
08	Down	3.00	81.2	741	14.98	Down	1036.0	246.5	1.240	85.8
09	Down	3.00	81.9	751	10.72	Down	1044.9	250.6	1.240	89.2
10	Down	3.00	82.4	751	11.83	Down	1051.3	250.5	1.240	82.7
11	Down	3.00	83.9	771	16.46	Down	1070.3	258.0	1.240	82.2
12	Down	3.00	83.9	772	16.30	Down	1070.3	257.8	1.240	83.8
13	Down	3.00	83.8	773	16.17	Down	1069.0	256.8	1.240	84.0
14	Down	3.00	83.4	773	15.13	Down	1063.9	257.4	1.240	85.6
15	Down	3.00	83.1	774	12.89	Down	1060.1	258.0	1.240	86.9
16	Down	3.00	83.1	770	13.80	Down	1060.1	257.7	1.240	85.4
17	Down	3.00	83.2	768	12.65	Down	1061.4	257.4	1.240	87.8
18	Down	3.00	83.2	767	5.40	Down	1061.4	258.2	1.240	90.6
19	Down	3.00	83.0	764	8.97	Down	1058.9	258.2	1.240	78.7
20	Down	3.00	81.7	745	10.65	Down	1042.4	249.7	1.240	88.0
21	Down	3.00	81.2	735	8.47	Down	1036.0	250.3	1.240	85.9
22	Down	3.00	81.8	733	11.30	Down	1043.6	250.1	1.240	88.8
23	Down	3.00	82.1	741	11.19	Down	1047.4	250.5	1.240	82.2
Average	Down	3.00	82.4	754	12.12	Down	1051.7	253	1.240	85
Total	Down	72.0	1978.4	18105	291.0	Down	25240.2	6069		
30-Day Rlg Avg										88

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 19, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	82.0	738	10.67	Down	1076.3	250.5	1.283	87.7
01	Down	3.00	82.3	743	14.02	Down	1080.2	249.9	1.283	81.4
02	Down	3.00	83.0	745	13.33	Down	1089.3	250.3	1.283	88.5
03	Down	3.00	82.3	749	12.09	Down	1080.2	250.8	1.283	80.2
04	Down	3.00	82.0	743	15.92	Down	1076.3	250.3	1.283	84.6
05	Down	3.00	82.0	743	10.93	Down	1076.3	250.6	1.283	91.3
06	Down	3.00	81.9	745	6.15	Down	1075.0	251.2	1.283	87.0
07	Down	3.00	82.2	744	15.03	Down	1078.9	251.2	1.283	83.2
08	Down	3.00	81.7	744	13.24	Down	1072.4	251.6	1.283	87.5
09	Down	3.00	81.3	739	11.48	Down	1067.3	249.9	1.283	86.8
10	Down	3.00	82.3	742	12.58	Down	1080.2	249.9	1.283	88.1
11	Down	3.00	85.3	766	15.84	Down	1119.2	257.7	1.283	85.0
12	Down	3.00	85.6	769	16.42	Down	1123.1	257.6	1.283	81.4
13	Down	3.00	86.0	775	16.50	Down	1128.3	259.1	1.283	81.7
14	Down	3.00	85.4	774	15.36	Down	1120.5	258.1	1.283	86.4
15	Down	3.00	85.0	774	16.47	Down	1115.3	257.4	1.283	77.5
16	Down	3.00	85.0	772	16.30	Down	1115.3	257.1	1.283	83.0
17	Down	3.00	85.0	773	13.07	Down	1115.3	257.0	1.283	84.6
18	Down	3.00	84.4	771	14.14	Down	1107.5	257.3	1.283	80.0
19	Down	3.00	83.8	766	15.81	Down	1099.7	257.2	1.283	82.9
20	Down	3.00	82.0	744	12.77	Down	1076.3	250.4	1.283	89.1
21	Down	3.00	81.1	731	5.55	Down	1064.7	250.3	1.283	92.0
22	Down	3.00	81.7	730	6.62	Down	1072.4	250.2	1.283	82.2
23	Down	3.00	81.5	728	10.46	Down	1069.9	250.6	1.283	84.1
Average	Down	3.00	83.1	752	12.95	Down	1090.8	253	1.283	85
Total	Down	72.0	1994.8	18048	310.8	Down	26179.9	6076		
30-Day Rlg Avg										88



**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 20, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	81.0	724	12.52	Down	1005.3	250.7	1.192	83.6
01	Down	3.00	81.4	726	12.01	Down	1010.2	250.2	1.192	82.8
02	Down	3.00	81.5	734	14.80	Down	1011.4	250.2	1.192	84.7
03	Down	3.00	81.7	735	13.89	Down	1013.9	249.8	1.192	82.0
04	Down	3.00	81.9	734	15.07	Down	1016.3	250.1	1.192	85.2
05	Down	3.00	81.9	739	9.37	Down	1016.3	250.8	1.192	86.4
06	Down	3.00	82.0	741	11.97	Down	1017.6	250.3	1.192	82.0
07	Down	3.00	82.0	735	8.24	Down	1017.6	251.0	1.192	89.6
08	Down	3.00	81.8	733	5.86	Down	1015.1	250.5	1.192	83.1
09	Down	3.00	81.7	730	9.27	Down	1013.9	250.1	1.192	82.1
10	Down	3.00	82.5	734	10.80	Down	1023.7	249.8	1.192	84.1
11	Down	3.00	83.5	751	15.95	Down	1036.1	255.4	1.192	73.0
12	Down	3.00	83.6	753	14.13	Down	1037.3	254.7	1.192	84.8
13	Down	3.00	84.1	758	14.82	Down	1043.4	256.1	1.192	81.0
14	Down	3.00	84.1	760	13.43	Down	1043.4	256.8	1.192	86.8
15	Down	3.00	84.1	760	10.27	Down	1043.4	255.5	1.192	85.7
16	Down	3.00	84.1	755	12.64	Down	1043.4	256.0	1.192	78.9
17	Down	1.86	84.5	761	16.28	Down	1045.6	257.4	1.196	78.3
18	Down	3.00	84.8	766	16.32	Down	1052.1	258.4	1.192	78.9
19	Down	0.75	84.7	767	13.25	Down	1045.2	258.0	1.199	80.2
20	Down	2.79	82.0	744	13.47	Down	1017.1	250.1	1.193	84.4
21	Down	3.00	81.5	737	9.56	Down	1011.4	249.9	1.192	88.5
22	Down	3.00	82.0	736	9.37	Down	1017.6	250.4	1.192	82.7
23	Down	3.00	82.3	733	10.55	Down	1021.3	250.4	1.192	83.1
Average	Down	2.85	82.7	744	12.24	Down	1025.8	253	1.193	83
Total	Down	68.4	1984.7	17846	293.8	Down	24618.6	6062		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 21, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	2.10	82.3	738	15.49	Down	1009.2	250.3	1.239	80.0
01	Down	2.15	82.3	741	15.36	Down	1009.3	250.6	1.239	81.1
02	Down	2.64	82.1	742	12.28	Down	1008.1	250.2	1.238	83.8
03	Down	3.00	82.6	744	13.51	Down	1015.1	250.2	1.237	81.6
04	Down	3.00	82.8	743	11.82	Down	1017.5	250.9	1.237	88.8
05	Down	3.00	82.1	739	8.15	Down	1009.0	250.5	1.237	84.3
06	Down	3.00	82.0	733	13.05	Down	1007.7	250.4	1.237	82.9
07	Down	3.00	81.9	731	8.22	Down	1006.5	251.0	1.237	89.3
08	Down	3.00	82.2	732	7.47	Down	1010.2	249.9	1.237	82.6
09	Down	3.00	82.8	733	11.64	Down	1017.5	250.9	1.237	83.3
10	Down	3.00	83.0	733	11.32	Down	1019.9	251.0	1.237	86.1
11	Down	3.00	85.1	758	16.43	Down	1045.6	257.7	1.237	74.0
12	Down	3.00	83.9	752	16.39	Down	1030.9	257.5	1.237	82.3
13	Down	3.00	84.0	754	15.55	Down	1032.1	257.8	1.237	84.6
14	Down	3.00	83.9	758	16.39	Down	1030.9	258.3	1.237	82.1
15	Down	3.00	83.3	755	13.43	Down	1023.6	257.3	1.237	89.7
16	Down	3.00	83.9	753	6.35	Down	1030.9	255.9	1.237	88.4
17	Down	3.00	84.4	753	9.30	Down	1037.0	256.7	1.237	78.9
18	Down	3.00	85.0	754	16.38	Down	1044.3	257.2	1.237	75.7
19	Down	3.00	84.9	756	16.32	Down	1043.1	258.0	1.237	84.3
20	Down	3.00	81.9	732	13.21	Down	1006.5	249.7	1.237	86.1
21	Down	3.00	81.8	730	13.83	Down	1005.3	250.2	1.237	85.3
22	Down	3.00	82.6	732	12.69	Down	1015.1	250.4	1.237	86.6
23	Down	3.00	83.0	736	13.21	Down	1019.9	250.5	1.237	82.8
Average	Down	2.91	83.1	743	12.82	Down	1020.6	253	1.237	84
Total	Down	69.9	1993.8	17832	307.8	Down	24495.2	6074		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 22, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	83.0	742	15.91	Down	1051.4	250.2	1.247	79.3
01	Down	3.00	83.0	742	15.86	Down	1051.4	250.4	1.247	84.0
02	Down	3.00	83.0	742	10.74	Down	1051.4	250.7	1.247	88.1
03	Down	3.00	83.1	743	9.26	Down	1052.6	250.4	1.247	85.4
04	Down	3.00	83.0	740	10.74	Down	1051.4	250.9	1.247	83.4
05	Down	3.00	82.7	738	11.87	Down	1047.6	251.1	1.247	85.1
06	Down	3.00	82.1	728	10.66	Down	1040.1	250.1	1.247	85.6
07	Down	1.40	82.1	731	9.88	Down	1036.1	250.5	1.252	85.3
08	Down	Down	82.3	733	11.18	Down	1035.1	249.8	1.256	83.8
09	Down	Down	82.4	735	12.40	Down	1036.3	250.7	1.256	84.5
10	Down	Down	81.9	732	15.13	Down	1030.1	251.1	1.256	79.8
11	Down	Down	82.9	753	15.96	Down	1042.6	255.2	1.256	85.5
12	Down	Down	83.2	760	15.46	Down	1046.4	256.6	1.256	84.7
13	Down	Down	83.9	763	15.81	Down	1055.2	257.1	1.256	82.6
14	Down	Down	84.0	762	16.49	Down	1056.5	256.8	1.256	82.6
15	Down	Down	84.3	765	16.27	Down	1060.2	257.5	1.256	84.6
16	Down	Down	84.3	767	12.84	Down	1060.2	257.6	1.256	83.2
17	Down	Down	84.3	767	12.86	Down	1060.2	258.3	1.256	80.4
18	Down	Down	84.5	764	14.88	Down	1062.8	258.0	1.256	84.7
19	Down	Down	84.4	761	15.94	Down	1061.5	258.2	1.256	84.6
20	Down	Down	80.8	727	10.70	Down	1016.2	250.4	1.256	89.8
21	Down	Down	80.0	721	6.23	Down	1006.2	250.0	1.256	86.8
22	Down	Down	80.1	721	7.38	Down	1007.4	250.5	1.256	82.6
23	Down	Down	81.1	717	11.64	Down	1020.0	250.0	1.256	82.6
Average	Down	2.80	82.8	744	12.75	Down	1043.3	253	1.253	84
Total	Down	22.4	1986.4	17854	306.1	Down	25038.9	6073		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 23, 2002

*Operational Limits*

Oil Heat Input - 380 mmBtu/hr                      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	Down	81.7	724	14.22	Down	1025.5	250.2	1.275	84.2
01	Down	Down	82.4	730	14.40	Down	1034.3	250.2	1.275	85.6
02	Down	Down	81.4	723	12.10	Down	1021.7	249.7	1.275	91.1
03	Down	Down	82.9	735	8.92	Down	1040.6	250.2	1.275	82.5
04	Down	Down	82.8	735	11.50	Down	1039.3	250.1	1.275	84.1
05	Down	Down	83.0	731	13.69	Down	1041.8	250.1	1.275	84.5
06	Down	Down	83.0	738	11.08	Down	1041.8	250.7	1.275	87.5
07	Down	Down	83.0	738	9.90	Down	1041.8	250.2	1.275	85.6
08	Down	Down	83.0	738	10.29	Down	1041.8	250.2	1.275	84.9
09	Down	Down	83.1	740	11.71	Down	1043.1	250.0	1.275	84.5
10	Down	Down	84.2	746	13.72	Down	1056.9	250.8	1.275	82.5
11	Down	Down	85.7	767	15.79	Down	1075.7	256.4	1.275	74.5
12	Down	Down	85.1	764	16.29	Down	1068.2	258.1	1.275	83.9
13	Down	Down	85.1	766	16.48	Down	1068.2	257.8	1.275	83.2
14	Down	Down	85.2	767	15.36	Down	1069.4	256.9	1.275	86.4
15	Down	Down	85.2	760	15.34	Down	1069.4	255.7	1.275	85.8
16	Down	Down	86.0	776	10.96	Down	1079.5	258.3	1.275	87.7
17	Down	Down	84.8	774	5.92	Down	1064.4	259.0	1.275	90.6
18	Down	Down	84.7	771	4.24	Down	1063.2	257.2	1.275	86.8
19	Down	Down	85.1	769	7.87	Down	1068.2	256.8	1.275	81.6
20	Down	0.09	83.2	750	7.20	Down	1044.5	250.3	1.275	89.1
21	Down	3.00	82.4	740	5.83	Down	1041.8	249.3	1.266	83.2
22	Down	3.00	83.0	745	13.22	Down	1049.3	250.3	1.266	82.2
23	Down	3.00	83.3	740	11.48	Down	1053.1	250.1	1.266	88.2
Average	Down	2.27	83.7	749	11.56	Down	1051.8	253	1.274	85
Total	Down	9.1	2009.3	17967	277.5	Down	25243.5	6067		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 24, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr      SO2 Reduction - 80%  
 Total Heat Input - 1169 mmBtu/hr

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	83.5	747	6.11	Down	1055.6	251.2	1.266	87.5
01	Down	3.00	83.0	744	10.98	Down	1049.3	250.3	1.266	80.1
02	Down	3.00	83.0	744	12.91	Down	1049.3	249.9	1.266	85.3
03	Down	3.00	83.0	744	11.89	Down	1049.3	250.3	1.266	89.7
04	Down	3.00	82.8	744	5.80	Down	1046.8	250.8	1.266	88.6
05	Down	3.00	83.0	742	6.84	Down	1049.3	250.3	1.266	82.7
06	Down	3.00	80.7	725	7.38	Down	1020.4	250.5	1.266	84.4
07	Down	3.00	81.4	731	7.44	Down	1029.2	250.3	1.266	84.7
08	Down	3.00	81.9	732	8.11	Down	1035.5	250.1	1.266	84.8
09	Down	3.00	82.2	741	8.19	Down	1039.3	250.6	1.266	76.1
10	Down	0.07	81.7	727	8.57	Down	1025.7	250.2	1.275	78.4
11	Down	0.84	80.7	722	9.21	Down	1015.0	253.0	1.272	86.3
12	Down	3.00	83.3	747	15.40	Down	1053.1	256.0	1.266	83.4
13	Down	3.00	84.3	756	14.80	Down	1065.6	257.7	1.266	86.3
14	Down	3.00	84.0	759	16.30	Down	1061.9	257.4	1.266	81.1
15	Down	3.00	83.9	758	16.26	Down	1060.6	257.0	1.266	84.6
16	Down	3.00	83.9	760	14.52	Down	1060.6	257.0	1.266	86.9
17	Down	3.00	83.9	760	11.56	Down	1060.6	258.1	1.266	85.9
18	Down	3.00	84.9	750	13.75	Down	1073.2	249.9	1.266	83.5
19	Down	3.00	84.3	754	13.25	Down	1065.6	251.4	1.266	76.0
20	Down	3.00	82.2	733	17.11	Down	1039.3	249.7	1.266	82.9
21	Down	3.00	82.7	744	17.11	Down	1045.6	250.8	1.266	83.3
22	Down	3.00	82.9	745	11.82	Down	1048.1	249.5	1.266	92.1
23	Down	3.00	83.9	754	4.00	Down	1060.6	250.4	1.266	96.4
Average	Down	2.79	83.0	744	11.22	Down	1048.3	252	1.267	85
Total	Down	66.9	1991.1	17863	269.3	Down	25159.5	6052		
30-Day Rlg Avg										87

**Cedar Bay Generating**  
 Jacksonville, FLA  
**Boiler 1-C Daily Operations Report**  
 September 25, 2002

**Operational Limits**

Oil Heat Input - 380 mmBtu/hr  
 Total Heat Input - 1169 mmBtu/hr

SO2 Reduction - 80%

Hour	Oil Flow gallons	Fiber Flow klbs	Coal Flow klbs	Steam Flow klbs	Limestone klbs	Oil Heat Input mmBtu	Total Heat Input mmBtu	Megawatts	SO2 Inlet lb/mmBtu	SO2 Reduction %
00	Down	3.00	83.9	748	8.16	Down	972.4	249.4	1.259	82.4
01	Down	3.00	78.8	701	4.16	Down	913.8	217.7	1.259	91.6
02	Down	3.00	76.3	667	4.31	Down	885.0	200.5	1.258	88.6
03	Down	3.00	74.0	630	4.01	Down	858.6	193.7	1.258	93.2
04	Down	3.00	71.1	612	4.03	Down	825.2	216.7	1.257	87.1
05	Down	3.00	73.4	628	8.32	Down	851.7	226.2	1.258	84.3
06	Down	3.00	77.0	656	12.60	Down	893.1	228.5	1.258	87.8
07	Down	3.00	76.3	652	10.08	Down	885.0	227.8	1.258	88.2
08	Down	3.00	77.6	666	5.44	Down	900.0	229.8	1.258	89.3
09	Down	3.00	79.2	681	6.40	Down	918.4	232.6	1.259	82.8
10	Down	3.00	81.2	694	8.83	Down	941.4	235.8	1.259	84.1
11	Down	3.00	82.6	713	8.28	Down	957.5	237.8	1.259	87.8
12	Down	2.01	83.0	710	6.20	Down	959.6	227.1	1.262	84.2
13	Down	2.46	83.4	710	14.37	Down	965.4	224.9	1.261	83.8
14	562.0	1.39	36.4	342	10.78	77.3	499.4	189.7	1.072	95.6
15	306.1	0.51	49.7	433	11.50	42.1	614.6	167.6	1.183	100.0
16	1181.7	Down	5.3	96	3.98	162.5	223.1	132.9	0.383	100.0
17	132.9	Down	52.6	402	16.72	18.3	623.3	168.5	1.234	99.0
18	Down	2.19	58.9	505	7.34	Down	682.9	187.9	1.259	99.1
19	Down	1.74	54.2	449	8.56	Down	627.8	174.1	1.260	97.3
20	Down	Down	61.6	500	15.96	Down	708.5	171.7	1.269	99.8
21	Down	Down	56.0	470	9.15	Down	644.1	133.3	1.269	100.0
22	Down	Down	54.0	450	4.00	Down	621.1	127.2	1.269	100.0
23	Down	Down	54.1	448	4.00	Down	622.2	127.6	1.269	100.0
Average	545.7	2.57	65.9	565	8.22	75.1	774.8	195	1.212	92
Total	2182.7	46.3	1580.6	13563	197.2	300.2	18594.1	4675		
30-Day Rlg Avg										87

AS - Fired Data



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BIRMINGHAM, AL 35209  
TEL: (205) 942-3120  
FAX: (205) 942-0914  
www.comteco.com

September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Waste Fiber Reject  
FS02-004 8/27/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 4, 2002

Analysis Report No. 73-27978

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	38.88	xxxxx		
% Ash	11.75	19.22		
% Volatile	43.21	70.70		
% Fixed Carbon	<u>6.16</u>	<u>10.08</u>		
	100.00	100.00		
Btu/lb	4989	8163	MAF	10105
% Sulfur	0.13	0.21		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





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FAX: (205) 942-0914  
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September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-007 8/30/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28214

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	65.96	xxxxx		
% Ash	5.91	17.37		
% Volatile	22.01	64.65		
% Fixed Carbon	<u>6.12</u>	<u>17.98</u>		
	100.00	100.00		
Btu/lb	2517	7394	MAF	8948
% Sulfur	0.01	0.02		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (205) 942-0914  
www.comteco.com

September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-008 8/31/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28215

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	60.60	xxxxx		
% Ash	5.33	13.53		
% Volatile	26.05	66.11		
% Fixed Carbon	<u>8.02</u>	<u>20.36</u>		
	100.00	100.00		
Btu/lb	3039	7714	MAF	8921
% Sulfur	0.02	0.06		

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FAX: (205) 942-0914  
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September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-009 9/01/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28216

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	67.24	xxxxxx		
% Ash	6.05	18.47		
% Volatile	21.05	64.25		
% Fixed Carbon	5.66	17.28		
	<u>100.00</u>	<u>100.00</u>		
Btu/lb	2540	7754	MAF	9511
% Sulfur	0.03	0.08		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-010 9/02/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28217

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	70.56	xxxxxx		
% Ash	4.83	16.40		
% Volatile	19.37	65.79		
% Fixed Carbon	<u>5.24</u>	<u>17.81</u>		
	100.00	100.00		
Btu/lb	2221	7544	MAF	9024
% Sulfur	0.02	0.06		

Respectfully submitted,  
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September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-011 9/03/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28218

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	61.13	xxxxx		
% Ash	5.12	13.17		
% Volatile	26.04	66.98		
% Fixed Carbon	<u>7.71</u>	<u>19.85</u>		
	100.00	100.00		
Btu/lb	3001	7720	MAF	8891
% Sulfur	0.03	0.08		

Respectfully submitted,  
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Birmingham Laboratory





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GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

SINCE 1908\*



Member of the SGS Group (Société Générale de Surveillance)

ADDRESS ALL CORRESPONDENCE TO:  
216 OXMOOR CIRCLE  
BIRMINGHAM, AL 35209  
TEL: (205) 942-3120  
FAX: (205) 942-0914  
www.comteco.com

September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-012 9/04/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28219

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	72.60	xxxxx		
% Ash	4.01	14.64		
% Volatile	18.00	65.71		
% Fixed Carbon	<u>5.39</u>	<u>19.65</u>		
	100.00	100.00		
Btu/lb	2019	7369	MAF	8633
% Sulfur	0.02	0.08		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-013 9/05/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 11, 2002

Analysis Report No. 73-28220

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	64.68	xxxxx		
% Ash	6.26	17.73		
% Volatile	22.24	62.97		
% Fixed Carbon	<u>6.82</u>	<u>19.30</u>		
	100.00	100.00		
Btu/lb	2646	7492	MAF	9107
% Sulfur	0.03	0.08		

Respectfully submitted,  
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Birmingham Laboratory





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FAX: (205) 942-0914  
www.comteco.com

September 30, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-014 9/06/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 16, 2002

Analysis Report No. 73-28398

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	41.24	xxxxxx		
% Ash	9.48	16.13		
% Volatile	39.93	67.96		
% Fixed Carbon	<u>9.35</u>	<u>15.91</u>		
	100.00	100.00		
Btu/lb	4722	8036	MAF	9581
% Sulfur	0.05	0.08		

Respectfully submitted,  
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www.comteco.com

September 30, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-015 9/07/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 16, 2002

Analysis Report No. 73-28399

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	51.02	xxxxx		
% Ash	8.34	17.02		
% Volatile	32.86	67.09		
% Fixed Carbon	<u>7.78</u>	<u>15.89</u>		
	100.00	100.00		
Btu/lb	4071	8312	MAF	10017
% Sulfur	0.05	0.10		

Respectfully submitted,  
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September 30, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-016 9/08/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 16, 2002

Analysis Report No. 73-28400

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	42.82	xxxxxx		
% Ash	10.42	18.23		
% Volatile	38.55	67.41		
% Fixed Carbon	<u>8.21</u>	<u>14.36</u>		
	100.00	100.00		
Btu/lb	4629	8096	MAF	9901
% Sulfur	0.06	0.10		

Respectfully submitted,  
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FAX: (205) 942-0914  
www.comteco.com

September 19, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-017 9/09/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 13, 2002

Analysis Report No. 73-28320

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	46.68	xxxxx		
% Ash	7.30	13.70		
% Volatile	35.61	66.78		
% Fixed Carbon	<u>10.41</u>	<u>19.52</u>		
	100.00	100.00		
Btu/lb	4075	7642	MAF	8855
% Sulfur	0.04	0.07		

Respectfully submitted,  
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FAX: (205) 942-0914  
www.comteco.com

September 30, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-018 9/10/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 16, 2002

Analysis Report No. 73-28401

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	48.97	xxxxx		
% Ash	9.75	19.10		
% Volatile	33.56	65.77		
% Fixed Carbon	<u>7.72</u>	<u>15.13</u>		
	100.00	100.00		
Btu/lb	3729	7308	MAF	9033
% Sulfur	0.04	0.07		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





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September 27, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-019 9/11/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 18, 2002

Analysis Report No. 73-28543

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	25.23	xxxxx		
% Ash	10.05	13.44		
% Volatile	51.20	68.48		
% Fixed Carbon	<u>13.52</u>	<u>18.08</u>		
	100.00	100.00		
Btu/lb	5871	7852	MAF	9071
% Sulfur	0.06	0.08		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





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www.comteco.com

September 27, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-020 9/12/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 18, 2002

Analysis Report No. 73-28544

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	20.98	xxxxxx		
% Ash	9.86	12.48		
% Volatile	53.36	67.53		
% Fixed Carbon	<u>15.80</u>	<u>19.99</u>		
	100.00	100.00		
Btu/lb	6153	7787	MAF	8897
% Sulfur	0.06	0.08		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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TEL: (205) 942-3120  
FAX: (205) 942-0914  
www.comteco.com

October 3, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample  
FS02-025 9/17/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 23, 2002

Analysis Report No. 73-28680

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	61.35	xxxxx		
% Ash	5.67	14.66		
% Volatile	26.10	67.54		
% Fixed Carbon	<u>6.88</u>	<u>17.80</u>		
	100.00	100.00		
Btu/lb	2947	7625	MAF	8935
% Sulfur	0.04	0.10		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





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FAX: (205) 942-0914  
www.comteco.com

October 3, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample reported to us Fiber Waste Sample FS02-026 9/18/02  
Sample taken at Cedar Bay  
Sample taken by PG&E National Energy Group  
Date sampled -----  
Date received September 23, 2002

Analysis Report No. 73-28681

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	74.77	xxxxx		
% Ash	3.80	15.07		
% Volatile	17.10	67.76		
% Fixed Carbon	<u>4.33</u>	<u>17.17</u>		
	100.00	100.00		
Btu/lb	1850	7331	MAF	8632
% Sulfur	0.03	0.10		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





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FAX: (205) 942-0914  
www.comteco.com

October 3, 2002

PG&E National Energy Group  
Cedar Bay Generating Company  
P.O. Box 26324  
Jacksonville FL 32226  
Bob Bullen

Sample identification by  
PG&E National Energy Group

Kind of sample Fiber Waste Sample  
reported to us FS02-027 9/19/02

Sample taken at Cedar Bay

Sample taken by PG&E National Energy Group

Date sampled -----

Date received September 24, 2002

Analysis Report No. 73-28698

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>		
% Moisture	49.86	xxxxx		
% Ash	10.01	19.96		
% Volatile	33.30	66.41		
% Fixed Carbon	<u>6.83</u>	<u>13.63</u>		
	100.00	100.00		
Btu/lb	3954	7885	MAF	9851
% Sulfur	0.05	0.10		

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Birmingham Laboratory





Environmental Conservation Laboratories, Inc.  
.810 Executive Park Court, Suite 211  
Jacksonville, Florida 32216-6069  
904 / 296-3007  
Fax 904 / 296-6210  
www.encolabs.com



DHRS Certification No. E82277

CLIENT : Cedar Bay Generating Co.  
ADDRESS: 9640 Eastport Road  
Jacksonville, FL 32218

REPORT # : JAX26986  
DATE SUBMITTED: September 24, 2002  
DATE REPORTED : October 4, 2002

PAGE 1 OF 8

ATTENTION: Mr. Jeff Walker

**SAMPLE IDENTIFICATION**

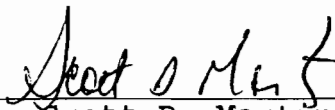
Samples submitted and  
identified by client as:

**REFERENCE: ASH ANALYSIS**

#1	- FLY ASH	@ 12:30 (09/24/02)
#2	- BED ASH	@ 12:45 (09/24/02)
#3	- WASTEWATER TRANSFER	@ 15:30 (09/19/02)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

  
\_\_\_\_\_  
Scott D. Martin

ENCO LABORATORIES

REPORT # : JAX26986  
 DATE REPORTED: October 4, 2002  
 REFERENCE : ASH ANALYSIS

PAGE 2 OF 8

RESULTS OF ANALYSIS

<u>TCLP METALS</u>	<u>METHOD</u>	<u>FLY ASH</u>	<u>Units</u>
TCLP Arsenic Date Analyzed	1311/6010	0.20 U 10/03/02 14:07	mg/L
TCLP Barium Date Analyzed	1311/6010	10 U 10/03/02 14:07	mg/L
TCLP Cadmium Date Analyzed	1311/6010	0.50 U 10/03/02 14:07	mg/L
TCLP Chromium Date Analyzed	1311/6010	1.0 U 10/03/02 14:06	mg/L
TCLP Lead Date Analyzed	1311/6010	1.0 U 10/03/02 14:07	mg/L
TCLP Selenium Date Analyzed	1311/6010	0.50 U 10/03/02 14:07	mg/L
TCLP Silver Date Analyzed	1311/6010	1.0 U 10/03/02 14:06	mg/L
TCLP Mercury Date Analyzed	1311/7470	0.0050 U 10/03/02 12:50	mg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
REPORT # : JAX26986  
DATE REPORTED: October 4, 2002  
REFERENCE : ASH ANALYSIS

PAGE 3 OF 8

RESULTS OF ANALYSIS

<u>TCLP METALS</u>	<u>METHOD</u>	<u>BED ASH</u>	<u>Units</u>
TCLP Arsenic Date Analyzed	1311/6010	0.20 U 10/03/02 14:14	mg/L
TCLP Barium Date Analyzed	1311/6010	10 U 10/03/02 14:14	mg/L
TCLP Cadmium Date Analyzed	1311/6010	0.50 U 10/03/02 14:14	mg/L
TCLP Chromium Date Analyzed	1311/6010	1.0 U 10/03/02 14:14	mg/L
TCLP Lead Date Analyzed	1311/6010	1.0 U 10/03/02 14:14	mg/L
TCLP Selenium Date Analyzed	1311/6010	0.50 U 10/03/02 14:14	mg/L
TCLP Silver Date Analyzed	1311/6010	1.0 U 10/03/02 14:14	mg/L
TCLP Mercury Date Analyzed	1311/7470	0.0096 10/03/02 13:08	mg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX26986  
 DATE REPORTED: October 4, 2002  
 REFERENCE : ASH ANALYSIS

PAGE 6 OF 8

RESULTS OF ANALYSIS

<u>TCLP METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
TCLP Arsenic Date Analyzed	1311/6010	0.20 U 10/03/02 13:30	mg/L
TCLP Barium Date Analyzed	1311/6010	10 U 10/03/02 13:30	mg/L
TCLP Cadmium Date Analyzed	1311/6010	0.50 U 10/03/02 13:30	mg/L
TCLP Chromium Date Analyzed	1311/6010	1.0 U 10/03/02 13:30	mg/L
TCLP Lead Date Analyzed	1311/6010	1.0 U 10/03/02 13:30	mg/L
TCLP Selenium Date Analyzed	1311/6010	0.50 U 10/03/02 13:30	mg/L
TCLP Silver Date Analyzed	1311/6010	1.0 U 10/03/02 13:30	mg/L
TCLP Mercury Date Analyzed	1311/7470	0.0050 U 10/03/02 12:38	mg/L

U = Compound was analyzed for but not detected to the level shown.

operational Data

Date	09/25/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/25/02 12:00 AM	764.19	1,004.49	1,899.86	25.49	1,004.15	453.56	438.47	411.92	1,676.00	1,709.11
09/25/02 1:00 AM	759.01	1,004.16	1,896.13	25.19	1,003.44	447.94	438.39	412.99	1,676.00	1,718.10
09/25/02 2:00 AM	719.44	1,004.37	1,893.90	25.50	1,003.85	395.92	438.12	410.48	1,676.00	1,737.29
09/25/02 3:00 AM	687.56	1,004.26	1,894.93	22.37	1,003.07	367.90	434.56	404.29	1,676.00	1,726.11
09/25/02 4:00 AM	651.31	1,004.17	1,896.08	23.31	1,005.22	358.34	427.78	399.83	1,676.00	1,696.75
09/25/02 5:00 AM	632.47	1,003.37	1,897.22	20.55	1,004.74	387.41	431.05	400.33	1,676.00	1,690.92
09/25/02 6:00 AM	644.38	1,004.26	1,898.37	18.21	1,003.89	404.58	434.65	404.75	1,676.00	1,678.72
09/25/02 7:00 AM	669.50	1,004.05	1,899.51	15.12	1,002.64	409.40	438.24	409.17	1,676.00	1,675.14
09/25/02 8:00 AM	670.17	1,004.02	1,900.66	16.66	1,005.80	409.62	440.29	412.93	1,676.00	1,670.50
09/25/02 9:00 AM	681.53	1,003.96	1,901.80	18.58	1,006.53	413.82	441.03	414.19	1,676.00	1,670.56
09/25/02 10:00 AM	695.67	1,004.12	1,902.50	19.09	1,005.99	419.57	441.77	415.19	1,676.00	1,684.55
09/25/02 11:00 AM	708.89	1,003.97	1,902.25	20.41	1,005.45	425.26	442.51	416.19	1,676.00	1,698.53
09/25/02 12:00 PM	726.23	1,003.79	1,901.95	20.82	1,004.91	424.54	443.25	417.19	1,676.00	1,713.14
09/25/02 1:00 PM	725.00	1,004.11	1,901.66	19.57	1,005.13	407.89	443.73	418.86	1,676.00	1,712.50
09/25/02 2:00 PM	725.15	1,003.92	1,901.37	18.89	1,007.56	402.16	441.55	420.80	1,676.00	1,703.88
09/25/02 3:00 PM	444.79	985.31	1,888.23	12.74	980.12	336.29	437.00	404.54	1,676.00	1,443.26
09/25/02 4:00 PM	426.77	988.17	1,886.55	8.49	1,008.25	318.27	437.78	379.61	1,676.00	1,516.79
09/25/02 5:00 PM	181.42	932.09	1,877.92	3.03	947.23	259.37	425.70	381.10	1,676.00	1,106.70
09/25/02 6:00 PM	392.84	992.15	1,878.31	4.64	1,009.33	314.73	427.36	389.29	1,676.00	1,484.17
09/25/02 7:00 PM	516.72	1,015.01	1,892.76	14.14	1,002.40	351.33	422.55	398.85	1,676.00	1,579.23
09/25/02 8:00 PM	459.55	1,011.28	1,881.80	13.12	1,005.28	329.99	416.74	400.06	1,676.00	1,591.39
09/25/02 9:00 PM	505.59	1,002.73	1,889.32	13.22	1,007.40	319.29	409.96	399.39	1,676.00	1,639.45
09/25/02 10:00 PM	487.04	1,001.18	1,883.75	10.96	1,001.32	267.39	408.76	398.83	1,676.00	1,675.30
09/25/02 11:00 PM	464.43	1,003.15	1,879.46	13.01	1,004.54	253.18	401.76	399.46	1,676.00	1,680.64

Date	09/25/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/25/02 12:00 AM	1,709.11	1,748.61	1,632.52	1,223.85	973.03	735.29	308.73	213.47	199.73
09/25/02 1:00 AM	1,718.10	1,757.74	1,633.25	1,219.40	972.12	734.06	310.83	214.20	200.24
09/25/02 2:00 AM	1,737.29	1,777.40	1,625.45	1,203.54	963.28	724.91	304.95	211.33	197.46
09/25/02 3:00 AM	1,726.11	1,763.94	1,623.33	1,198.51	956.09	715.48	305.07	211.52	197.60
09/25/02 4:00 AM	1,696.75	1,732.84	1,625.99	1,186.57	942.57	709.88	296.18	206.98	194.19
09/25/02 5:00 AM	1,690.92	1,727.27	1,628.65	1,190.16	951.57	716.84	298.82	208.69	196.40
09/25/02 6:00 AM	1,678.72	1,712.88	1,631.31	1,196.89	963.51	722.79	300.35	209.10	198.37
09/25/02 7:00 AM	1,675.14	1,710.55	1,633.97	1,205.69	968.86	727.20	307.31	213.06	201.59
09/25/02 8:00 AM	1,670.50	1,699.84	1,636.63	1,204.28	965.58	722.74	305.60	212.51	201.26
09/25/02 9:00 AM	1,670.56	1,700.15	1,639.29	1,205.05	966.76	724.71	308.68	215.20	202.87
09/25/02 10:00 AM	1,684.55	1,712.67	1,640.97	1,206.75	970.74	727.76	309.63	216.04	203.73
09/25/02 11:00 AM	1,698.53	1,729.45	1,638.03	1,208.45	974.71	730.82	310.92	216.45	203.79
09/25/02 12:00 PM	1,713.14	1,743.24	1,634.50	1,210.15	978.69	733.87	313.36	218.54	206.17
09/25/02 1:00 PM	1,712.50	1,740.09	1,630.96	1,211.85	982.67	735.46	310.55	215.64	203.38
09/25/02 2:00 PM	1,703.88	1,738.66	1,627.43	1,213.55	982.08	729.54	311.61	217.86	206.62
09/25/02 3:00 PM	1,443.26	1,467.78	1,480.63	1,099.05	913.33	693.44	303.55	214.26	200.30
09/25/02 4:00 PM	1,516.79	1,535.55	1,414.00	1,070.88	904.67	680.64	299.50	213.51	190.72
09/25/02 5:00 PM	1,106.70	1,118.12	1,177.23	925.03	828.43	655.24	284.28	204.68	187.72
09/25/02 6:00 PM	1,484.17	1,501.09	1,389.46	1,064.40	889.75	666.82	288.57	206.48	190.95
09/25/02 7:00 PM	1,579.23	1,606.16	1,514.53	1,130.36	920.61	681.67	290.33	206.02	196.64
09/25/02 8:00 PM	1,591.39	1,619.23	1,506.77	1,106.49	898.52	663.13	280.65	199.25	192.49
09/25/02 9:00 PM	1,639.45	1,670.40	1,512.58	1,115.77	906.85	666.14	277.26	196.24	192.85
09/25/02 10:00 PM	1,675.30	1,707.86	1,511.95	1,112.29	914.32	662.47	278.23	196.50	192.93
09/25/02 11:00 PM	1,680.64	1,726.31	1,488.30	1,104.08	898.87	650.26	270.25	192.63	190.14

Date	09/24/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/24/02 12:00 AM	756.73	1,003.63	1,919.79	25.65	1,004.72	454.34	439.26	415.78	1,676.00	1,760.01
09/24/02 1:00 AM	762.62	1,004.00	1,919.50	26.02	1,004.91	451.92	439.39	416.21	1,676.00	1,755.60
09/24/02 2:00 AM	760.15	1,003.88	1,919.21	25.10	1,005.10	452.49	439.53	416.05	1,676.00	1,752.32
09/24/02 3:00 AM	759.58	1,003.91	1,918.93	25.00	1,005.29	453.06	439.67	415.89	1,676.00	1,756.68
09/24/02 4:00 AM	758.69	1,004.04	1,918.59	25.19	1,005.48	453.53	439.80	415.73	1,676.00	1,761.54
09/24/02 5:00 AM	759.58	1,003.85	1,917.97	25.15	1,005.67	451.80	439.76	415.46	1,676.00	1,767.10
09/24/02 6:00 AM	759.31	1,003.64	1,917.30	25.28	1,005.72	449.19	439.58	415.14	1,676.00	1,772.84
09/24/02 7:00 AM	743.12	1,004.14	1,916.63	25.41	1,005.64	451.20	439.40	414.82	1,676.00	1,778.58
09/24/02 8:00 AM	747.06	1,003.74	1,915.97	25.37	1,005.57	447.96	439.22	414.51	1,676.00	1,784.32
09/24/02 9:00 AM	747.42	1,004.41	1,915.30	25.44	1,005.49	451.46	439.04	414.19	1,676.00	1,789.27
09/24/02 10:00 AM	756.17	1,004.26	1,914.63	24.95	1,005.42	452.26	438.86	413.53	1,676.00	1,768.60
09/24/02 11:00 AM	744.57	1,004.22	1,913.96	25.56	1,005.34	452.98	438.68	411.63	1,676.00	1,770.48
09/24/02 12:00 PM	737.35	1,003.41	1,913.40	27.42	1,005.26	453.81	438.68	411.03	1,676.00	1,777.91
09/24/02 1:00 PM	760.38	1,004.31	1,913.49	26.62	1,005.19	458.10	439.05	412.59	1,676.00	1,758.81
09/24/02 2:00 PM	768.61	1,004.02	1,913.68	26.67	1,005.21	462.39	439.43	414.17	1,676.00	1,756.09
09/24/02 3:00 PM	772.46	1,004.19	1,913.88	26.27	1,005.31	466.46	439.81	415.74	1,676.00	1,754.71
09/24/02 4:00 PM	770.87	1,003.86	1,914.07	26.36	1,005.41	468.01	440.20	417.32	1,676.00	1,757.40
09/24/02 5:00 PM	771.47	1,003.99	1,914.26	26.17	1,005.51	468.87	440.58	418.90	1,676.00	1,760.38
09/24/02 6:00 PM	772.37	1,004.34	1,914.45	26.47	1,005.61	469.71	440.96	417.67	1,676.00	1,762.22
09/24/02 7:00 PM	763.91	1,004.15	1,914.64	25.21	1,005.70	452.25	441.06	408.98	1,676.00	1,775.08
09/24/02 8:00 PM	769.32	1,003.48	1,914.31	24.99	1,005.80	450.29	440.39	407.65	1,676.00	1,755.71
09/24/02 9:00 PM	745.23	1,004.49	1,911.04	25.25	1,005.90	449.43	439.67	408.72	1,676.00	1,699.69
09/24/02 10:00 PM	756.65	1,003.93	1,907.32	25.05	1,005.56	450.63	438.95	409.78	1,676.00	1,703.60
09/24/02 11:00 PM	755.67	1,003.58	1,903.59	25.32	1,004.85	453.32	438.55	410.85	1,676.00	1,707.19

Date	09/24/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/24/02 12:00 AM	1,760.01	1,790.79	1,658.05	1,209.60	964.82	727.88	311.71	218.40	203.38
09/24/02 1:00 AM	1,755.60	1,792.41	1,656.77	1,211.17	966.62	729.56	309.16	217.19	202.82
09/24/02 2:00 AM	1,752.32	1,793.11	1,655.50	1,212.74	968.43	731.25	311.98	218.45	203.79
09/24/02 3:00 AM	1,756.68	1,792.42	1,654.22	1,214.31	970.23	732.93	313.48	219.19	205.01
09/24/02 4:00 AM	1,761.54	1,792.17	1,651.99	1,215.74	972.03	733.54	312.24	217.23	204.36
09/24/02 5:00 AM	1,767.10	1,794.92	1,648.95	1,215.99	973.79	732.28	307.67	213.73	200.98
09/24/02 6:00 AM	1,772.84	1,798.22	1,645.90	1,215.97	975.13	730.88	308.24	215.15	202.08
09/24/02 7:00 AM	1,778.58	1,801.52	1,642.86	1,215.95	976.34	730.43	306.57	212.24	200.42
09/24/02 8:00 AM	1,784.32	1,804.81	1,639.82	1,215.93	977.56	732.55	305.82	211.54	199.53
09/24/02 9:00 AM	1,789.27	1,808.10	1,636.77	1,215.91	978.78	734.81	306.02	210.85	198.49
09/24/02 10:00 AM	1,768.60	1,808.94	1,633.73	1,215.89	979.99	737.07	309.03	213.19	200.74
09/24/02 11:00 AM	1,770.48	1,806.78	1,630.70	1,216.02	981.21	738.14	309.05	213.27	200.79
09/24/02 12:00 PM	1,777.91	1,802.71	1,629.61	1,216.98	982.42	739.21	305.05	210.56	198.91
09/24/02 1:00 PM	1,758.81	1,798.62	1,629.92	1,218.06	983.45	740.64	309.83	213.04	201.32
09/24/02 2:00 PM	1,756.09	1,794.52	1,630.22	1,219.14	982.82	742.08	309.33	212.87	201.48
09/24/02 3:00 PM	1,754.71	1,790.43	1,630.53	1,220.22	981.81	743.07	311.30	214.93	204.12
09/24/02 4:00 PM	1,757.40	1,786.48	1,630.84	1,221.30	980.80	742.47	312.14	215.73	204.39
09/24/02 5:00 PM	1,760.38	1,786.78	1,631.14	1,222.38	979.80	741.73	312.73	216.89	205.03
09/24/02 6:00 PM	1,762.22	1,789.14	1,626.17	1,223.46	978.79	740.99	310.25	214.32	203.00
09/24/02 7:00 PM	1,775.08	1,789.21	1,613.33	1,224.34	977.78	740.25	307.27	210.71	197.34
09/24/02 8:00 PM	1,755.71	1,776.78	1,638.33	1,224.33	976.77	739.51	304.79	209.37	195.56
09/24/02 9:00 PM	1,699.69	1,737.74	1,647.63	1,224.22	975.77	738.77	305.63	211.12	196.59
09/24/02 10:00 PM	1,703.60	1,736.67	1,642.36	1,224.10	974.85	737.75	307.04	212.64	198.51
09/24/02 11:00 PM	1,707.19	1,739.73	1,637.10	1,223.99	973.94	736.52	306.69	212.53	198.88



Date	09/23/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/23/02 12:00 AM	737.93	1,003.91	1,917.88	25.59	1,006.01	450.73	431.65	412.14	1,676.00	1,777.12
09/23/02 1:00 AM	744.51	1,003.99	1,917.50	25.25	1,005.78	448.82	432.05	412.67	1,676.00	1,775.75
09/23/02 2:00 AM	748.81	1,003.98	1,917.12	25.08	1,005.56	450.47	432.44	413.21	1,676.00	1,771.03
09/23/02 3:00 AM	740.82	1,003.78	1,916.74	25.16	1,005.33	451.81	432.84	413.75	1,676.00	1,765.45
09/23/02 4:00 AM	753.41	1,004.30	1,916.48	24.83	1,005.10	449.31	433.24	414.28	1,676.00	1,764.46
09/23/02 5:00 AM	753.48	1,004.12	1,917.01	24.30	1,004.88	445.81	433.63	414.82	1,676.00	1,766.78
09/23/02 6:00 AM	749.47	1,003.94	1,917.68	24.35	1,004.83	445.26	434.03	415.35	1,676.00	1,769.10
09/23/02 7:00 AM	755.35	1,003.88	1,918.35	24.57	1,004.94	446.32	434.60	415.89	1,676.00	1,771.43
09/23/02 8:00 AM	756.94	1,004.23	1,919.02	24.28	1,005.05	447.30	435.39	416.43	1,676.00	1,773.75
09/23/02 9:00 AM	757.33	1,003.94	1,919.69	24.10	1,005.16	451.22	436.18	416.97	1,676.00	1,776.08
09/23/02 10:00 AM	758.31	1,004.01	1,920.35	24.07	1,005.27	449.59	436.97	417.50	1,676.00	1,778.40
09/23/02 11:00 AM	762.44	1,003.80	1,921.02	24.18	1,005.38	453.58	437.76	418.04	1,676.00	1,780.69
09/23/02 12:00 PM	781.82	1,003.99	1,921.60	24.77	1,005.49	466.41	438.55	418.38	1,676.00	1,780.36
09/23/02 1:00 PM	779.51	1,003.98	1,921.60	25.29	1,005.59	469.67	439.34	418.54	1,676.00	1,778.42
09/23/02 2:00 PM	781.28	1,004.02	1,921.50	25.58	1,005.55	468.87	440.13	418.70	1,676.00	1,776.49
09/23/02 3:00 PM	781.17	1,003.98	1,921.41	25.58	1,005.38	468.07	440.48	418.86	1,676.00	1,774.55
09/23/02 4:00 PM	775.57	1,003.72	1,921.31	26.15	1,005.20	467.27	440.24	419.02	1,676.00	1,772.51
09/23/02 5:00 PM	787.26	1,003.73	1,921.22	26.79	1,005.02	467.76	439.99	419.18	1,676.00	1,764.54
09/23/02 6:00 PM	787.21	1,003.80	1,921.12	27.26	1,004.85	470.54	439.75	419.34	1,676.00	1,762.05
09/23/02 7:00 PM	784.51	1,004.05	1,921.03	27.15	1,004.67	467.74	439.50	419.50	1,676.00	1,761.11
09/23/02 8:00 PM	783.08	1,004.16	1,920.91	26.75	1,004.49	464.06	439.26	419.91	1,676.00	1,760.18
09/23/02 9:00 PM	760.99	1,005.10	1,920.64	25.52	1,004.32	454.87	439.01	419.82	1,676.00	1,759.24
09/23/02 10:00 PM	758.48	1,003.34	1,920.36	25.40	1,004.34	452.22	438.98	410.72	1,676.00	1,758.33
09/23/02 11:00 PM	761.58	1,003.93	1,920.07	25.27	1,004.53	453.64	439.12	412.21	1,676.00	1,758.95

Date	09/23/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/23/02 12:00 AM	1,777.12	1,810.32	1,663.10	1,214.02	959.77	725.77	304.88	211.89	202.76
09/23/02 1:00 AM	1,775.75	1,809.67	1,661.77	1,214.59	962.81	728.40	305.64	211.35	202.71
09/23/02 2:00 AM	1,771.03	1,808.36	1,660.43	1,215.15	965.85	731.02	305.26	209.82	201.21
09/23/02 3:00 AM	1,765.45	1,798.07	1,659.73	1,215.76	968.89	733.65	305.17	210.00	200.38
09/23/02 4:00 AM	1,764.46	1,798.84	1,663.98	1,217.03	971.93	735.86	304.30	208.96	199.81
09/23/02 5:00 AM	1,766.78	1,804.04	1,665.07	1,218.51	974.97	736.14	303.84	208.13	200.19
09/23/02 6:00 AM	1,769.10	1,806.55	1,666.09	1,217.38	973.74	734.69	303.84	207.83	199.70
09/23/02 7:00 AM	1,771.43	1,811.06	1,667.11	1,220.69	975.59	738.29	304.50	209.20	200.31
09/23/02 8:00 AM	1,773.75	1,811.25	1,668.13	1,222.04	976.19	738.24	305.04	210.26	200.91
09/23/02 9:00 AM	1,776.08	1,811.44	1,669.15	1,223.38	976.79	738.19	306.35	211.63	199.93
09/23/02 10:00 AM	1,778.40	1,811.63	1,670.17	1,224.72	977.38	738.14	307.96	213.85	202.63
09/23/02 11:00 AM	1,780.69	1,811.81	1,671.19	1,226.07	977.98	738.09	310.68	217.32	205.81
09/23/02 12:00 PM	1,780.36	1,812.00	1,671.42	1,227.41	978.57	738.04	312.27	218.75	207.31
09/23/02 1:00 PM	1,778.42	1,812.19	1,670.42	1,228.75	979.17	737.99	312.82	219.73	208.31
09/23/02 2:00 PM	1,776.49	1,812.27	1,669.40	1,230.04	979.73	737.94	312.60	219.48	207.47
09/23/02 3:00 PM	1,774.55	1,808.78	1,668.38	1,229.56	979.29	738.04	313.23	220.26	207.84
09/23/02 4:00 PM	1,772.51	1,803.64	1,667.37	1,228.22	978.36	738.22	312.46	219.66	206.67
09/23/02 5:00 PM	1,764.54	1,805.30	1,666.35	1,226.87	977.42	738.39	312.67	220.16	207.15
09/23/02 6:00 PM	1,762.05	1,803.45	1,665.33	1,225.53	976.49	738.57	311.52	219.17	206.64
09/23/02 7:00 PM	1,761.11	1,800.12	1,664.31	1,224.19	975.56	738.74	310.32	218.08	204.99
09/23/02 8:00 PM	1,760.18	1,796.80	1,663.15	1,222.84	974.62	738.57	310.45	217.12	204.72
09/23/02 9:00 PM	1,759.24	1,793.47	1,661.88	1,218.91	968.83	727.52	312.88	218.42	204.82
09/23/02 10:00 PM	1,758.33	1,790.14	1,660.60	1,207.14	961.22	724.51	308.04	216.10	200.70
09/23/02 11:00 PM	1,758.95	1,789.16	1,659.32	1,208.03	963.02	726.19	312.55	218.67	203.03

Date	09/22/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/22/02 12:00 AM	755.90	1,003.94	1,917.88	23.69	1,004.88	446.77	440.71	408.32	1,676.00	1,779.91
09/22/02 1:00 AM	760.86	1,003.83	1,917.69	23.49	1,005.10	447.53	440.09	407.93	1,676.00	1,781.03
09/22/02 2:00 AM	761.23	1,003.85	1,917.50	23.47	1,005.32	448.28	439.80	407.54	1,676.00	1,782.15
09/22/02 3:00 AM	760.27	1,003.75	1,917.31	23.91	1,005.54	448.40	439.52	407.39	1,676.00	1,783.61
09/22/02 4:00 AM	761.47	1,004.06	1,917.16	23.89	1,005.75	448.14	439.24	407.89	1,676.00	1,785.62
09/22/02 5:00 AM	759.30	1,003.92	1,917.30	24.19	1,005.97	447.88	438.96	408.43	1,676.00	1,787.64
09/22/02 6:00 AM	756.91	1,004.05	1,917.49	24.16	1,006.05	447.87	438.68	408.97	1,676.00	1,789.66
09/22/02 7:00 AM	747.54	1,003.87	1,917.68	24.10	1,006.00	448.06	438.40	409.51	1,676.00	1,791.67
09/22/02 8:00 AM	750.23	1,003.82	1,917.87	24.30	1,005.94	446.88	438.12	410.05	1,676.00	1,793.69
09/22/02 9:00 AM	752.35	1,004.07	1,918.07	24.28	1,005.89	448.12	437.94	410.59	1,676.00	1,795.71
09/22/02 10:00 AM	754.01	1,003.98	1,918.26	24.36	1,005.84	451.12	437.97	411.12	1,676.00	1,797.72
09/22/02 11:00 AM	750.80	1,003.73	1,918.45	24.58	1,005.79	454.63	438.01	412.39	1,676.00	1,798.13
09/22/02 12:00 PM	768.36	1,003.79	1,918.63	24.89	1,005.73	459.56	438.04	415.60	1,676.00	1,796.18
09/22/02 1:00 PM	775.54	1,004.04	1,918.73	24.94	1,005.68	464.66	438.08	418.85	1,676.00	1,794.22
09/22/02 2:00 PM	777.48	1,004.05	1,918.83	25.32	1,005.71	466.17	438.11	419.87	1,676.00	1,792.25
09/22/02 3:00 PM	777.11	1,003.79	1,918.93	25.48	1,005.83	467.13	438.15	419.82	1,676.00	1,790.29
09/22/02 4:00 PM	778.82	1,004.07	1,919.02	25.55	1,005.95	467.96	438.18	419.77	1,676.00	1,788.32
09/22/02 5:00 PM	781.70	1,003.97	1,919.12	25.54	1,006.06	468.69	438.21	419.73	1,676.00	1,786.36
09/22/02 6:00 PM	782.10	1,004.01	1,919.21	25.67	1,006.18	468.12	438.24	419.68	1,676.00	1,784.39
09/22/02 7:00 PM	779.08	1,004.16	1,919.31	25.66	1,006.29	465.89	438.26	419.63	1,676.00	1,782.78
09/22/02 8:00 PM	775.45	1,003.98	1,919.35	25.70	1,006.41	463.64	438.29	419.58	1,676.00	1,781.65
09/22/02 9:00 PM	741.01	1,004.54	1,919.03	25.56	1,006.52	452.14	437.90	418.83	1,676.00	1,780.52
09/22/02 10:00 PM	742.62	1,003.69	1,918.65	25.74	1,006.46	450.65	433.92	412.70	1,676.00	1,779.39
09/22/02 11:00 PM	743.24	1,004.11	1,918.27	25.68	1,006.24	452.35	431.27	411.60	1,676.00	1,778.26

Date	09/22/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/22/02 12:00 AM	1,779.91	1,808.95	1,672.95	1,216.62	960.91	722.87	310.41	216.63	201.69
09/22/02 1:00 AM	1,781.03	1,809.46	1,673.09	1,217.93	962.82	724.87	311.12	216.49	201.44
09/22/02 2:00 AM	1,782.15	1,809.99	1,673.24	1,219.24	964.73	726.86	310.78	216.20	200.77
09/22/02 3:00 AM	1,783.61	1,811.46	1,673.38	1,220.54	966.63	728.86	307.55	214.62	199.00
09/22/02 4:00 AM	1,785.62	1,813.52	1,673.35	1,221.85	968.54	730.85	307.02	214.13	198.83
09/22/02 5:00 AM	1,787.64	1,815.58	1,672.73	1,223.12	970.45	732.84	306.97	214.03	199.43
09/22/02 6:00 AM	1,789.66	1,817.64	1,672.06	1,223.97	972.04	733.82	307.17	214.07	199.58
09/22/02 7:00 AM	1,791.67	1,819.70	1,671.39	1,224.70	973.11	733.99	306.75	213.63	199.59
09/22/02 8:00 AM	1,793.69	1,821.76	1,670.72	1,225.43	974.18	734.16	306.54	213.77	200.47
09/22/02 9:00 AM	1,795.71	1,823.82	1,670.04	1,226.16	975.25	734.33	307.52	215.10	202.53
09/22/02 10:00 AM	1,797.72	1,825.72	1,669.37	1,226.89	976.32	734.50	309.21	216.81	203.99
09/22/02 11:00 AM	1,798.13	1,825.09	1,668.70	1,227.62	977.38	734.67	309.79	217.19	204.75
09/22/02 12:00 PM	1,796.18	1,823.56	1,668.19	1,228.35	978.45	734.74	310.36	217.63	208.17
09/22/02 1:00 PM	1,794.22	1,822.03	1,668.23	1,228.94	979.52	734.47	311.10	218.06	208.11
09/22/02 2:00 PM	1,792.25	1,820.51	1,668.33	1,227.97	979.82	734.17	310.96	218.12	207.94
09/22/02 3:00 PM	1,790.29	1,818.98	1,668.42	1,226.56	978.92	733.87	311.54	218.62	208.45
09/22/02 4:00 PM	1,788.32	1,817.46	1,668.52	1,225.16	977.99	733.57	311.61	218.51	207.86
09/22/02 5:00 PM	1,786.36	1,815.93	1,668.61	1,223.75	977.07	733.27	311.33	218.01	206.80
09/22/02 6:00 PM	1,784.39	1,814.45	1,668.70	1,222.34	976.15	732.96	310.58	217.08	206.07
09/22/02 7:00 PM	1,782.78	1,813.58	1,668.80	1,220.94	975.22	732.66	309.64	215.53	203.99
09/22/02 8:00 PM	1,781.65	1,812.93	1,668.42	1,219.53	974.30	730.65	308.96	214.53	202.94
09/22/02 9:00 PM	1,780.52	1,812.27	1,667.11	1,214.32	963.98	719.25	310.03	214.74	204.29
09/22/02 10:00 PM	1,779.39	1,811.62	1,665.77	1,212.90	953.77	720.51	302.74	210.90	201.45
09/22/02 11:00 PM	1,778.26	1,810.97	1,664.44	1,213.46	956.73	723.14	303.11	210.96	201.64

Date	09/21/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/21/02 12:00 AM	753.16	1,003.85	1,921.99	24.95	1,005.07	453.02	437.46	406.37	1,676.00	1,770.43
09/21/02 1:00 AM	758.44	1,003.71	1,922.29	24.88	1,005.14	451.79	437.82	407.34	1,676.00	1,770.45
09/21/02 2:00 AM	760.39	1,004.04	1,922.60	24.78	1,005.21	451.15	438.18	408.05	1,676.00	1,770.61
09/21/02 3:00 AM	761.88	1,003.75	1,922.90	24.37	1,005.28	450.07	438.54	408.17	1,676.00	1,770.77
09/21/02 4:00 AM	762.76	1,004.00	1,923.14	24.39	1,005.35	452.84	438.90	408.26	1,676.00	1,770.93
09/21/02 5:00 AM	762.46	1,003.69	1,922.94	24.47	1,005.42	450.35	439.26	408.35	1,676.00	1,771.09
09/21/02 6:00 AM	759.09	1,004.04	1,922.66	24.23	1,005.49	446.39	439.62	408.44	1,676.00	1,771.26
09/21/02 7:00 AM	752.91	1,003.81	1,922.37	24.18	1,005.57	446.84	439.88	408.53	1,676.00	1,771.83
09/21/02 8:00 AM	750.66	1,003.71	1,922.08	24.72	1,005.64	447.50	440.00	409.08	1,676.00	1,773.45
09/21/02 9:00 AM	751.69	1,004.03	1,921.80	24.55	1,005.72	449.96	440.13	411.35	1,676.00	1,775.13
09/21/02 10:00 AM	752.64	1,003.84	1,921.51	25.09	1,005.79	452.77	440.26	413.78	1,676.00	1,776.80
09/21/02 11:00 AM	751.81	1,003.99	1,921.23	25.21	1,005.87	455.53	440.38	416.22	1,676.00	1,778.47
09/21/02 12:00 PM	774.82	1,003.74	1,920.94	26.25	1,005.95	464.79	440.51	418.66	1,676.00	1,780.13
09/21/02 1:00 PM	768.43	1,004.00	1,920.65	26.00	1,006.02	470.67	440.63	419.50	1,676.00	1,777.88
09/21/02 2:00 PM	768.68	1,003.75	1,920.37	26.46	1,005.95	470.64	440.76	418.76	1,676.00	1,772.74
09/21/02 3:00 PM	772.69	1,003.86	1,920.08	26.35	1,005.74	471.05	440.96	418.03	1,676.00	1,767.60
09/21/02 4:00 PM	769.47	1,003.95	1,919.79	25.75	1,005.52	470.19	441.26	417.29	1,676.00	1,762.48
09/21/02 5:00 PM	769.29	1,003.75	1,919.51	25.63	1,005.31	466.12	441.56	416.59	1,676.00	1,763.71
09/21/02 6:00 PM	770.52	1,004.12	1,919.22	25.55	1,005.09	465.15	441.86	416.07	1,676.00	1,769.96
09/21/02 7:00 PM	770.41	1,003.84	1,918.94	25.39	1,004.87	464.48	442.15	415.56	1,676.00	1,774.27
09/21/02 8:00 PM	771.69	1,003.84	1,918.66	26.03	1,004.66	463.82	442.45	415.05	1,676.00	1,775.43
09/21/02 9:00 PM	746.76	1,005.04	1,918.46	24.85	1,004.44	451.79	442.73	414.34	1,676.00	1,776.55
09/21/02 10:00 PM	750.79	1,003.40	1,918.26	24.35	1,004.45	446.76	442.31	412.57	1,676.00	1,777.67
09/21/02 11:00 PM	752.60	1,003.82	1,918.07	24.07	1,004.66	446.15	441.51	409.98	1,676.00	1,778.79

Date	09/21/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/21/02 12:00 AM	1,770.43	1,807.13	1,677.86	1,211.83	958.42	726.06	309.80	216.06	201.50
09/21/02 1:00 AM	1,770.45	1,805.36	1,677.41	1,213.85	960.55	727.12	311.07	216.61	202.03
09/21/02 2:00 AM	1,770.61	1,804.02	1,676.96	1,215.87	962.68	728.17	310.34	215.94	201.40
09/21/02 3:00 AM	1,770.77	1,802.89	1,676.51	1,217.90	964.82	729.22	311.63	216.53	202.26
09/21/02 4:00 AM	1,770.93	1,801.77	1,676.09	1,219.92	966.95	730.28	311.30	216.21	202.67
09/21/02 5:00 AM	1,771.09	1,800.65	1,675.80	1,221.95	969.08	731.33	310.86	216.10	202.40
09/21/02 6:00 AM	1,771.26	1,799.53	1,675.52	1,223.82	971.20	732.24	309.85	214.94	201.47
09/21/02 7:00 AM	1,771.83	1,798.75	1,675.25	1,224.05	972.40	732.87	310.91	215.20	202.16
09/21/02 8:00 AM	1,773.45	1,801.56	1,674.98	1,223.82	973.01	733.50	307.58	213.28	200.05
09/21/02 9:00 AM	1,775.13	1,805.33	1,674.70	1,223.59	973.62	734.12	306.72	213.38	200.61
09/21/02 10:00 AM	1,776.80	1,809.10	1,674.43	1,223.36	974.24	734.75	308.71	215.35	202.72
09/21/02 11:00 AM	1,778.47	1,812.87	1,674.16	1,223.12	974.85	735.37	310.59	217.29	204.72
09/21/02 12:00 PM	1,780.13	1,816.19	1,673.90	1,222.89	975.47	735.64	312.43	218.20	207.13
09/21/02 1:00 PM	1,777.88	1,798.60	1,673.69	1,222.66	976.08	735.29	315.74	219.64	210.23
09/21/02 2:00 PM	1,772.74	1,792.95	1,673.50	1,222.45	976.64	734.92	314.59	219.24	209.31
09/21/02 3:00 PM	1,767.60	1,794.65	1,673.30	1,222.49	976.34	734.56	315.01	219.62	209.91
09/21/02 4:00 PM	1,762.48	1,796.35	1,673.11	1,222.59	975.73	734.19	314.35	219.28	209.04
09/21/02 5:00 PM	1,763.71	1,797.58	1,672.91	1,222.69	975.12	733.82	311.15	217.36	206.30
09/21/02 6:00 PM	1,769.96	1,797.75	1,672.72	1,222.80	974.51	733.46	310.21	216.35	205.04
09/21/02 7:00 PM	1,774.27	1,798.46	1,672.52	1,222.90	973.89	733.09	311.70	216.54	205.25
09/21/02 8:00 PM	1,775.43	1,800.84	1,672.40	1,223.00	973.28	730.42	310.16	215.39	203.86
09/21/02 9:00 PM	1,776.55	1,803.33	1,672.52	1,217.41	971.64	721.18	311.71	216.85	203.45
09/21/02 10:00 PM	1,777.67	1,805.81	1,672.66	1,214.00	957.50	718.88	311.29	217.15	201.97
09/21/02 11:00 PM	1,778.79	1,808.11	1,672.80	1,215.31	959.00	720.88	308.89	215.99	201.15

Date	09/20/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/20/02 12:00 AM	748.31	1,004.18	1,916.88	25.09	1,005.73	453.63	436.35	405.48	1,676.00	1,775.02
09/20/02 1:00 AM	743.43	1,004.12	1,916.59	24.91	1,005.96	453.53	436.35	406.81	1,676.00	1,768.75
09/20/02 2:00 AM	744.61	1,003.86	1,916.31	24.92	1,006.19	453.43	436.47	408.13	1,676.00	1,762.49
09/20/02 3:00 AM	751.12	1,003.85	1,916.02	25.15	1,006.42	453.36	436.58	409.45	1,676.00	1,756.80
09/20/02 4:00 AM	752.47	1,004.00	1,915.73	25.20	1,006.65	453.70	436.70	410.76	1,676.00	1,757.81
09/20/02 5:00 AM	750.86	1,003.73	1,915.82	25.48	1,006.88	453.42	436.81	411.69	1,676.00	1,760.75
09/20/02 6:00 AM	756.15	1,003.93	1,916.30	25.35	1,006.87	449.23	436.93	412.44	1,676.00	1,763.70
09/20/02 7:00 AM	758.59	1,003.98	1,916.78	24.73	1,006.60	449.28	437.04	413.19	1,676.00	1,766.64
09/20/02 8:00 AM	752.86	1,003.69	1,917.26	25.56	1,006.33	451.66	437.19	413.94	1,676.00	1,769.58
09/20/02 9:00 AM	751.89	1,003.84	1,917.73	25.85	1,006.06	452.65	437.48	414.69	1,676.00	1,772.52
09/20/02 10:00 AM	749.33	1,003.94	1,918.21	25.72	1,005.79	453.35	437.78	415.43	1,676.00	1,775.47
09/20/02 11:00 AM	751.69	1,003.78	1,918.69	25.78	1,005.53	454.09	438.09	416.18	1,676.00	1,777.36
09/20/02 12:00 PM	766.71	1,004.17	1,919.16	26.46	1,005.26	464.22	438.40	417.08	1,676.00	1,768.87
09/20/02 1:00 PM	767.49	1,004.04	1,919.50	26.44	1,004.99	465.05	438.71	418.31	1,676.00	1,757.80
09/20/02 2:00 PM	773.79	1,004.00	1,919.69	26.23	1,004.85	467.47	439.02	419.55	1,676.00	1,757.64
09/20/02 3:00 PM	775.24	1,003.80	1,919.88	26.38	1,004.86	470.79	439.34	420.21	1,676.00	1,765.50
09/20/02 4:00 PM	776.34	1,003.98	1,920.07	26.29	1,004.87	466.34	439.83	419.88	1,676.00	1,773.09
09/20/02 5:00 PM	771.47	1,003.97	1,920.26	26.95	1,004.87	460.57	440.39	419.53	1,676.00	1,774.84
09/20/02 6:00 PM	776.30	1,003.88	1,920.45	26.20	1,004.88	463.56	440.94	418.63	1,676.00	1,774.20
09/20/02 7:00 PM	780.83	1,004.02	1,920.64	25.93	1,004.89	464.92	441.50	417.00	1,676.00	1,773.57
09/20/02 8:00 PM	782.78	1,003.76	1,920.83	25.88	1,004.89	465.00	442.06	415.38	1,676.00	1,772.93
09/20/02 9:00 PM	760.62	1,004.33	1,921.08	24.53	1,004.90	452.02	442.62	416.09	1,676.00	1,772.29
09/20/02 10:00 PM	754.44	1,004.15	1,921.38	24.56	1,004.94	451.45	440.45	411.47	1,676.00	1,771.65
09/20/02 11:00 PM	757.13	1,003.91	1,921.69	24.82	1,005.01	450.76	437.13	405.39	1,676.00	1,771.01

Date	09/20/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/20/02 12:00 AM	1,775.02	1,804.38	1,663.73	1,208.34	959.22	725.18	308.03	215.13	201.55
09/20/02 1:00 AM	1,768.75	1,784.79	1,664.06	1,210.93	961.41	727.40	310.87	216.29	203.24
09/20/02 2:00 AM	1,762.49	1,784.55	1,664.40	1,213.53	963.60	729.87	310.18	215.74	203.53
09/20/02 3:00 AM	1,756.80	1,787.57	1,664.73	1,216.12	965.80	732.35	310.88	215.93	203.26
09/20/02 4:00 AM	1,757.81	1,790.59	1,665.11	1,218.72	967.99	734.76	310.78	215.78	203.13
09/20/02 5:00 AM	1,760.75	1,793.61	1,665.84	1,220.98	970.17	735.47	309.99	215.36	202.85
09/20/02 6:00 AM	1,763.70	1,796.62	1,666.63	1,222.09	971.81	735.44	308.80	214.66	202.59
09/20/02 7:00 AM	1,766.64	1,799.64	1,667.42	1,223.10	973.16	735.42	310.96	215.63	203.90
09/20/02 8:00 AM	1,769.58	1,802.10	1,668.20	1,224.11	974.52	735.03	309.87	215.69	204.27
09/20/02 9:00 AM	1,772.52	1,801.38	1,668.99	1,225.13	975.88	733.95	307.84	214.88	204.18
09/20/02 10:00 AM	1,775.47	1,800.18	1,669.78	1,226.14	977.23	730.36	308.62	215.46	205.55
09/20/02 11:00 AM	1,777.36	1,798.97	1,670.57	1,227.16	978.59	731.08	309.83	216.55	205.59
09/20/02 12:00 PM	1,768.87	1,796.65	1,671.39	1,228.05	979.94	733.72	313.64	218.64	208.14
09/20/02 1:00 PM	1,757.80	1,790.20	1,672.40	1,228.52	981.27	730.01	315.39	219.96	210.98
09/20/02 2:00 PM	1,757.64	1,788.53	1,673.46	1,228.95	981.24	730.17	314.47	219.73	209.90
09/20/02 3:00 PM	1,765.50	1,794.39	1,674.51	1,229.38	980.53	730.38	313.66	219.24	208.23
09/20/02 4:00 PM	1,773.09	1,800.22	1,675.56	1,229.82	979.82	730.43	312.29	218.39	207.35
09/20/02 5:00 PM	1,774.84	1,804.12	1,676.61	1,230.25	979.11	729.94	311.69	217.76	206.64
09/20/02 6:00 PM	1,774.20	1,807.18	1,677.67	1,230.68	978.40	730.01	313.64	218.30	207.35
09/20/02 7:00 PM	1,773.57	1,810.25	1,678.72	1,231.12	977.69	732.00	312.45	217.29	205.99
09/20/02 8:00 PM	1,772.93	1,813.09	1,679.52	1,229.04	976.98	728.40	312.59	217.10	205.82
09/20/02 9:00 PM	1,772.29	1,812.49	1,679.21	1,220.15	975.39	720.70	311.08	216.20	203.35
09/20/02 10:00 PM	1,771.65	1,810.70	1,678.76	1,210.91	958.98	721.84	312.81	217.59	202.92
09/20/02 11:00 PM	1,771.01	1,808.92	1,678.31	1,209.80	956.29	725.01	309.84	216.13	200.70



Date	09/19/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/19/02 12:00 AM	760.30	1,004.12	1,920.14	25.42	1,004.63	449.85	437.39	409.16	1,676.00	1,767.58
09/19/02 1:00 AM	756.45	1,003.85	1,919.47	25.46	1,004.79	450.22	437.36	409.89	1,676.00	1,767.15
09/19/02 2:00 AM	760.24	1,004.14	1,918.80	25.01	1,004.94	449.98	437.33	410.62	1,676.00	1,766.72
09/19/02 3:00 AM	762.22	1,003.84	1,918.13	25.20	1,005.10	449.54	437.30	411.35	1,676.00	1,766.37
09/19/02 4:00 AM	767.20	1,004.16	1,917.46	24.89	1,005.25	449.09	437.27	412.08	1,676.00	1,767.49
09/19/02 5:00 AM	760.72	1,003.77	1,917.39	24.58	1,005.40	452.42	437.24	412.80	1,676.00	1,769.17
09/19/02 6:00 AM	760.48	1,003.65	1,917.96	25.20	1,005.45	451.29	437.22	413.15	1,676.00	1,770.79
09/19/02 7:00 AM	763.78	1,004.00	1,918.53	25.25	1,005.37	449.70	437.32	412.80	1,676.00	1,771.45
09/19/02 8:00 AM	761.42	1,003.96	1,919.11	25.09	1,005.29	448.79	437.46	412.44	1,676.00	1,771.73
09/19/02 9:00 AM	761.03	1,004.12	1,919.68	25.09	1,005.21	447.89	437.60	412.97	1,676.00	1,772.00
09/19/02 10:00 AM	757.27	1,003.92	1,920.25	24.76	1,005.13	447.76	437.74	414.25	1,676.00	1,772.27
09/19/02 11:00 AM	757.99	1,003.69	1,920.83	24.92	1,005.05	448.81	437.88	415.54	1,676.00	1,772.55
09/19/02 12:00 PM	779.64	1,004.08	1,921.40	26.41	1,004.97	463.89	438.02	416.82	1,676.00	1,772.33
09/19/02 1:00 PM	782.95	1,003.54	1,921.46	26.47	1,004.90	467.57	438.16	418.11	1,676.00	1,768.25
09/19/02 2:00 PM	788.91	1,004.01	1,920.98	26.39	1,004.87	466.18	438.29	419.39	1,676.00	1,763.32
09/19/02 3:00 PM	787.79	1,003.99	1,920.51	26.31	1,004.91	465.84	438.37	420.55	1,676.00	1,758.40
09/19/02 4:00 PM	788.32	1,004.19	1,920.03	25.88	1,004.95	464.52	438.44	421.43	1,676.00	1,756.74
09/19/02 5:00 PM	785.30	1,003.75	1,919.55	26.02	1,004.99	465.80	438.51	421.35	1,676.00	1,758.09
09/19/02 6:00 PM	786.88	1,003.91	1,919.07	25.94	1,005.02	468.90	438.58	419.45	1,676.00	1,759.44
09/19/02 7:00 PM	785.97	1,003.93	1,918.60	25.87	1,005.06	470.06	438.65	417.51	1,676.00	1,761.01
09/19/02 8:00 PM	780.22	1,004.03	1,918.12	25.94	1,005.10	469.85	438.72	415.56	1,676.00	1,765.98
09/19/02 9:00 PM	757.67	1,004.59	1,917.74	24.98	1,005.14	454.75	438.75	413.43	1,676.00	1,772.15
09/19/02 10:00 PM	751.46	1,003.72	1,917.45	25.21	1,005.27	454.69	438.06	408.36	1,676.00	1,778.31
09/19/02 11:00 PM	751.72	1,003.99	1,917.17	25.25	1,005.50	453.75	437.12	404.38	1,676.00	1,780.92

Date	09/19/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/19/02 12:00 AM	1,767.58	1,798.13	1,664.60	1,212.60	962.23	724.03	309.79	216.32	202.46
09/19/02 1:00 AM	1,767.15	1,796.44	1,664.85	1,214.20	963.69	725.77	309.96	215.76	203.21
09/19/02 2:00 AM	1,766.72	1,794.75	1,665.09	1,215.80	965.15	727.52	310.53	215.32	203.48
09/19/02 3:00 AM	1,766.37	1,793.23	1,665.34	1,217.40	966.60	729.26	310.17	214.87	202.74
09/19/02 4:00 AM	1,767.49	1,794.77	1,665.54	1,219.00	968.06	731.01	308.70	213.60	202.16
09/19/02 5:00 AM	1,769.17	1,797.43	1,664.62	1,220.56	969.47	732.62	310.72	214.16	202.37
09/19/02 6:00 AM	1,770.79	1,799.92	1,663.25	1,221.16	970.53	733.46	307.82	212.53	200.98
09/19/02 7:00 AM	1,771.45	1,801.28	1,661.88	1,221.35	971.51	734.18	304.32	210.29	199.47
09/19/02 8:00 AM	1,771.73	1,802.00	1,660.51	1,221.54	972.49	734.90	307.09	212.22	200.78
09/19/02 9:00 AM	1,772.00	1,801.83	1,659.13	1,221.74	973.48	735.62	309.69	214.14	203.16
09/19/02 10:00 AM	1,772.27	1,801.63	1,657.76	1,221.93	974.46	736.34	312.12	216.13	206.66
09/19/02 11:00 AM	1,772.55	1,801.42	1,656.39	1,222.13	975.44	737.06	313.02	218.05	207.93
09/19/02 12:00 PM	1,772.33	1,801.01	1,655.21	1,222.32	976.42	737.26	313.87	219.68	209.60
09/19/02 1:00 PM	1,768.25	1,798.87	1,655.75	1,222.48	977.15	735.85	314.27	220.68	209.83
09/19/02 2:00 PM	1,763.32	1,796.35	1,656.70	1,221.97	975.88	734.32	312.86	217.23	208.29
09/19/02 3:00 PM	1,758.40	1,793.88	1,657.64	1,221.18	974.20	732.80	312.60	218.25	208.56
09/19/02 4:00 PM	1,756.74	1,792.87	1,658.59	1,220.40	972.51	730.67	316.09	220.84	212.27
09/19/02 5:00 PM	1,758.09	1,792.58	1,659.53	1,219.61	970.83	726.12	314.30	219.93	209.29
09/19/02 6:00 PM	1,759.44	1,792.30	1,660.47	1,218.82	969.15	723.39	313.75	219.69	208.25
09/19/02 7:00 PM	1,761.01	1,792.11	1,661.42	1,218.03	967.47	723.16	313.31	219.15	206.74
09/19/02 8:00 PM	1,765.98	1,793.28	1,662.30	1,217.24	965.78	723.00	313.83	218.55	206.27
09/19/02 9:00 PM	1,772.15	1,794.92	1,662.72	1,207.85	960.38	718.96	316.11	219.80	205.43
09/19/02 10:00 PM	1,778.31	1,798.28	1,663.06	1,203.15	954.83	720.99	306.32	214.79	199.50
09/19/02 11:00 PM	1,780.92	1,805.74	1,663.39	1,205.74	957.02	723.09	305.36	214.29	199.16

Date	09/18/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/18/02 12:00 AM	716.99	1,003.97	1,918.64	22.93	1,005.19	423.81	438.56	408.40	1,656.00	1,756.97
09/18/02 1:00 AM	745.98	1,003.87	1,918.64	24.18	1,005.44	442.56	438.93	410.57	1,656.00	1,758.17
09/18/02 2:00 AM	759.45	1,004.26	1,918.64	24.46	1,005.69	451.49	438.99	412.74	1,657.07	1,759.37
09/18/02 3:00 AM	764.07	1,004.02	1,918.64	24.21	1,005.95	452.92	438.97	414.91	1,659.60	1,760.57
09/18/02 4:00 AM	765.95	1,004.06	1,919.37	24.38	1,006.20	451.54	438.95	416.88	1,662.14	1,761.77
09/18/02 5:00 AM	763.59	1,003.69	1,923.25	24.71	1,006.45	454.12	438.93	417.68	1,664.68	1,763.25
09/18/02 6:00 AM	765.63	1,004.13	1,923.36	24.65	1,006.67	453.00	438.91	418.30	1,667.22	1,764.88
09/18/02 7:00 AM	770.30	1,004.08	1,923.45	24.69	1,006.82	453.88	438.90	418.91	1,669.76	1,766.52
09/18/02 8:00 AM	771.58	1,004.20	1,923.55	24.38	1,006.98	451.84	438.88	419.58	1,672.29	1,768.15
09/18/02 9:00 AM	757.13	1,003.79	1,923.64	23.80	1,007.14	443.54	438.89	420.39	1,674.83	1,769.79
09/18/02 10:00 AM	765.89	1,004.16	1,923.74	24.67	1,007.30	452.73	439.19	421.21	1,676.00	1,769.65
09/18/02 11:00 AM	766.95	1,003.93	1,923.84	24.62	1,007.46	453.28	439.58	422.02	1,676.00	1,762.91
09/18/02 12:00 PM	784.22	1,004.21	1,923.93	25.57	1,007.62	463.90	439.97	422.54	1,676.00	1,761.45
09/18/02 1:00 PM	785.98	1,003.82	1,923.89	25.77	1,007.78	468.27	440.35	422.61	1,676.00	1,763.03
09/18/02 2:00 PM	786.17	1,004.02	1,923.70	25.51	1,007.66	469.59	440.74	422.68	1,676.00	1,764.60
09/18/02 3:00 PM	786.57	1,004.01	1,923.51	25.74	1,007.21	470.29	441.13	422.75	1,676.00	1,766.18
09/18/02 4:00 PM	786.57	1,004.10	1,923.32	25.97	1,006.75	470.47	441.51	422.82	1,676.00	1,767.76
09/18/02 5:00 PM	782.68	1,004.00	1,923.13	25.95	1,006.30	469.83	441.94	422.89	1,676.00	1,769.33
09/18/02 6:00 PM	781.41	1,003.90	1,922.94	26.05	1,005.85	469.19	442.81	422.53	1,676.00	1,770.91
09/18/02 7:00 PM	780.43	1,004.14	1,922.75	27.00	1,005.40	468.55	443.79	420.80	1,676.00	1,771.68
09/18/02 8:00 PM	779.16	1,004.15	1,922.56	26.45	1,004.94	467.90	444.78	420.00	1,676.00	1,770.48
09/18/02 9:00 PM	757.96	1,004.73	1,922.14	25.16	1,004.49	453.65	444.45	419.89	1,676.00	1,769.21
09/18/02 10:00 PM	756.51	1,003.69	1,921.47	25.46	1,004.32	450.22	438.77	408.02	1,676.00	1,768.44
09/18/02 11:00 PM	750.94	1,003.66	1,920.80	25.68	1,004.48	449.27	437.42	408.44	1,676.00	1,768.01

Date	09/18/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/18/02 12:00 AM	1,756.97	1,781.49	1,652.75	1,204.23	966.91	724.41	304.68	212.08	203.27
09/18/02 1:00 AM	1,758.17	1,777.02	1,652.49	1,208.15	972.09	732.85	306.53	212.85	203.27
09/18/02 2:00 AM	1,759.37	1,781.69	1,652.23	1,212.08	972.76	739.32	310.54	214.71	204.03
09/18/02 3:00 AM	1,760.57	1,789.16	1,651.97	1,216.00	973.09	740.20	310.57	214.77	204.14
09/18/02 4:00 AM	1,761.77	1,796.62	1,651.73	1,218.78	973.42	740.86	309.99	214.31	203.43
09/18/02 5:00 AM	1,763.25	1,801.45	1,651.89	1,218.37	973.74	741.52	307.01	212.02	202.05
09/18/02 6:00 AM	1,764.88	1,800.49	1,652.22	1,217.77	974.07	742.18	305.93	210.82	202.33
09/18/02 7:00 AM	1,766.52	1,799.33	1,652.54	1,217.17	974.40	742.84	307.20	211.59	202.46
09/18/02 8:00 AM	1,768.15	1,798.17	1,652.87	1,216.57	974.73	743.49	311.16	213.79	205.36
09/18/02 9:00 AM	1,769.79	1,797.00	1,653.20	1,216.38	975.23	742.95	310.62	214.79	207.69
09/18/02 10:00 AM	1,769.65	1,797.40	1,653.53	1,217.33	976.08	744.60	310.27	216.12	207.76
09/18/02 11:00 AM	1,762.91	1,800.72	1,653.85	1,218.35	976.93	747.04	309.82	216.44	207.75
09/18/02 12:00 PM	1,761.45	1,801.03	1,654.21	1,219.38	977.78	748.04	314.29	219.40	211.47
09/18/02 1:00 PM	1,763.03	1,800.28	1,655.14	1,220.40	978.63	747.69	314.43	220.46	212.61
09/18/02 2:00 PM	1,764.60	1,799.52	1,656.32	1,221.42	979.46	747.23	315.47	221.17	213.72
09/18/02 3:00 PM	1,766.18	1,798.77	1,657.49	1,222.44	979.24	745.09	315.72	221.26	213.45
09/18/02 4:00 PM	1,767.76	1,798.01	1,658.67	1,223.47	978.44	742.38	315.79	220.65	212.80
09/18/02 5:00 PM	1,769.33	1,797.26	1,659.85	1,223.90	977.65	739.85	315.08	219.77	211.82
09/18/02 6:00 PM	1,770.91	1,796.50	1,661.02	1,223.22	976.85	739.58	314.57	219.13	210.68
09/18/02 7:00 PM	1,771.68	1,793.77	1,662.20	1,222.52	976.06	739.97	310.82	217.03	206.38
09/18/02 8:00 PM	1,770.48	1,790.59	1,663.35	1,221.82	975.27	740.19	313.02	217.61	207.06
09/18/02 9:00 PM	1,769.21	1,797.74	1,663.86	1,215.57	966.00	731.95	316.63	219.93	207.36
09/18/02 10:00 PM	1,768.44	1,801.51	1,664.10	1,209.40	959.32	725.66	307.00	215.24	201.34
09/18/02 11:00 PM	1,768.01	1,799.82	1,664.35	1,211.00	960.78	722.66	307.59	215.27	201.72

Date	09/17/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTSP1C	SGAT3609
09/17/02 12:00 AM	716.30	1,003.89	1,915.51	22.49	1,004.82	419.81	441.76	404.96	1,656.00	1,780.58
09/17/02 1:00 AM	720.06	1,004.00	1,914.60	22.06	1,004.95	418.15	442.10	405.45	1,656.00	1,780.18
09/17/02 2:00 AM	718.07	1,003.75	1,913.70	22.41	1,005.08	416.49	442.86	405.95	1,656.00	1,780.31
09/17/02 3:00 AM	713.68	1,004.36	1,912.79	22.53	1,005.21	414.84	443.62	406.44	1,656.00	1,781.49
09/17/02 4:00 AM	711.51	1,004.45	1,912.76	22.44	1,005.34	419.11	441.72	402.85	1,656.00	1,782.70
09/17/02 5:00 AM	742.27	1,003.95	1,913.18	23.59	1,005.47	440.95	438.89	399.31	1,656.00	1,783.90
09/17/02 6:00 AM	745.94	1,004.25	1,913.94	23.88	1,005.57	452.99	442.05	404.12	1,656.00	1,778.83
09/17/02 7:00 AM	745.39	1,004.04	1,914.70	24.32	1,005.62	451.63	445.04	408.29	1,656.00	1,766.87
09/17/02 8:00 AM	746.66	1,003.77	1,915.47	24.80	1,005.66	452.08	445.24	410.02	1,656.00	1,765.21
09/17/02 9:00 AM	752.13	1,004.13	1,916.23	25.01	1,005.71	453.66	444.95	411.55	1,656.00	1,774.44
09/17/02 10:00 AM	751.07	1,003.74	1,916.99	24.93	1,005.75	455.22	444.65	413.08	1,656.00	1,783.59
09/17/02 11:00 AM	754.31	1,004.14	1,917.75	24.47	1,005.80	456.77	444.35	414.67	1,656.00	1,779.25
09/17/02 12:00 PM	757.63	1,003.98	1,918.47	25.17	1,005.85	457.74	444.06	416.46	1,656.00	1,765.25
09/17/02 1:00 PM	765.31	1,003.97	1,918.64	24.87	1,005.89	458.03	443.76	418.27	1,656.00	1,759.01
09/17/02 2:00 PM	772.78	1,003.93	1,918.64	25.33	1,005.84	460.83	443.46	419.37	1,656.00	1,762.83
09/17/02 3:00 PM	775.71	1,003.91	1,918.64	25.03	1,005.67	464.06	443.10	419.20	1,656.00	1,766.69
09/17/02 4:00 PM	776.81	1,003.97	1,918.64	24.78	1,005.50	463.28	442.27	419.00	1,656.00	1,757.76
09/17/02 5:00 PM	769.79	1,003.75	1,918.64	25.26	1,005.33	462.23	441.37	418.65	1,656.00	1,758.98
09/17/02 6:00 PM	775.76	1,003.97	1,918.64	25.65	1,005.16	463.53	440.47	417.83	1,656.00	1,765.49
09/17/02 7:00 PM	780.80	1,003.80	1,918.64	25.74	1,005.00	468.32	439.56	416.99	1,656.00	1,760.52
09/17/02 8:00 PM	776.08	1,003.76	1,918.64	25.56	1,004.83	467.85	438.66	416.18	1,656.00	1,754.72
09/17/02 9:00 PM	744.12	1,004.93	1,918.64	23.48	1,004.66	437.69	437.78	415.09	1,656.00	1,751.60
09/17/02 10:00 PM	724.55	1,003.56	1,918.64	22.89	1,004.68	423.79	437.76	405.75	1,656.00	1,754.46
09/17/02 11:00 PM	717.65	1,003.93	1,918.64	22.96	1,004.93	423.28	438.16	406.23	1,656.00	1,755.78

Date	09/17/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/17/02 12:00 AM	1,780.58	1,805.10	1,649.63	1,211.66	978.61	732.38	308.73	214.32	202.95
09/17/02 1:00 AM	1,780.18	1,803.66	1,648.64	1,210.08	979.20	736.16	310.61	214.70	203.69
09/17/02 2:00 AM	1,780.31	1,804.36	1,647.65	1,208.50	979.79	726.66	307.87	212.87	201.91
09/17/02 3:00 AM	1,781.49	1,809.12	1,646.67	1,206.93	980.39	722.52	305.86	211.25	201.11
09/17/02 4:00 AM	1,782.70	1,813.97	1,645.69	1,209.99	959.21	724.90	308.95	213.27	199.54
09/17/02 5:00 AM	1,783.90	1,818.63	1,645.41	1,216.15	963.30	736.51	306.07	211.60	197.10
09/17/02 6:00 AM	1,778.83	1,800.88	1,645.66	1,217.90	968.02	738.59	312.06	214.76	199.10
09/17/02 7:00 AM	1,766.87	1,781.20	1,645.91	1,219.29	971.49	740.28	312.57	215.25	200.00
09/17/02 8:00 AM	1,765.21	1,791.64	1,646.16	1,220.67	972.68	741.96	310.18	214.25	199.28
09/17/02 9:00 AM	1,774.44	1,803.19	1,646.40	1,222.05	973.82	743.64	310.96	216.48	201.14
09/17/02 10:00 AM	1,783.59	1,811.72	1,646.65	1,223.43	974.95	745.33	312.42	218.46	204.80
09/17/02 11:00 AM	1,779.25	1,801.47	1,646.90	1,224.81	976.09	747.01	316.61	221.97	209.50
09/17/02 12:00 PM	1,765.25	1,787.97	1,647.15	1,226.19	977.22	748.69	319.16	223.84	212.26
09/17/02 1:00 PM	1,759.01	1,781.07	1,647.72	1,227.01	978.36	742.71	318.39	223.79	213.62
09/17/02 2:00 PM	1,762.83	1,782.90	1,648.52	1,225.87	979.49	740.91	315.91	222.56	211.63
09/17/02 3:00 PM	1,766.69	1,784.78	1,649.32	1,224.57	979.75	741.43	315.86	222.33	210.42
09/17/02 4:00 PM	1,757.76	1,772.46	1,650.13	1,223.27	978.39	741.96	317.52	222.51	212.34
09/17/02 5:00 PM	1,758.98	1,773.73	1,650.93	1,221.98	977.00	741.82	316.93	221.62	209.68
09/17/02 6:00 PM	1,765.49	1,785.37	1,651.73	1,220.68	975.60	739.78	313.25	219.79	206.51
09/17/02 7:00 PM	1,760.52	1,800.24	1,652.53	1,219.38	974.21	737.62	311.04	217.14	205.81
09/17/02 8:00 PM	1,754.72	1,805.79	1,653.33	1,218.08	972.82	735.45	311.00	216.40	205.57
09/17/02 9:00 PM	1,751.60	1,798.08	1,653.52	1,209.94	962.82	725.44	312.21	217.07	205.34
09/17/02 10:00 PM	1,754.46	1,791.86	1,653.26	1,201.92	953.76	721.06	304.40	213.07	200.97
09/17/02 11:00 PM	1,755.78	1,786.67	1,653.01	1,200.49	960.33	722.34	304.41	212.77	202.05

Date	09/16/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/16/02 12:00 AM	740.38	1,004.33	1,917.01	23.44	1,004.76	440.52	438.08	412.23	1,656.00	1,773.12
09/16/02 1:00 AM	739.19	1,003.91	1,917.20	23.29	1,004.82	442.82	438.71	413.75	1,656.00	1,758.47
09/16/02 2:00 AM	751.09	1,004.05	1,917.39	24.04	1,004.88	450.26	439.34	415.27	1,656.00	1,761.07
09/16/02 3:00 AM	753.66	1,003.91	1,917.58	23.47	1,004.95	453.70	439.85	416.79	1,656.00	1,764.77
09/16/02 4:00 AM	754.64	1,004.06	1,917.77	23.80	1,005.01	456.15	439.20	418.12	1,656.00	1,757.17
09/16/02 5:00 AM	754.03	1,004.44	1,917.88	23.89	1,005.07	456.23	438.54	413.32	1,656.00	1,757.62
09/16/02 6:00 AM	753.71	1,003.98	1,917.88	23.50	1,005.18	454.72	438.64	407.49	1,656.00	1,758.77
09/16/02 7:00 AM	749.16	1,004.00	1,917.88	23.49	1,005.33	453.18	438.80	409.87	1,656.00	1,759.93
09/16/02 8:00 AM	751.07	1,004.05	1,917.88	23.53	1,005.48	451.63	438.95	412.25	1,656.00	1,761.09
09/16/02 9:00 AM	753.52	1,003.85	1,917.88	23.59	1,005.64	452.71	439.11	414.63	1,656.00	1,762.25
09/16/02 10:00 AM	756.45	1,004.04	1,917.88	23.49	1,005.79	454.08	439.33	416.97	1,656.00	1,761.86
09/16/02 11:00 AM	758.65	1,004.04	1,917.88	23.57	1,005.94	456.82	439.82	418.35	1,656.00	1,758.97
09/16/02 12:00 PM	766.31	1,003.82	1,917.88	24.38	1,006.10	458.97	440.35	419.31	1,656.00	1,756.06
09/16/02 1:00 PM	770.76	1,003.85	1,917.92	24.67	1,006.25	460.02	440.87	420.28	1,656.00	1,768.50
09/16/02 2:00 PM	772.55	1,003.78	1,918.02	24.61	1,006.24	461.38	441.39	421.25	1,656.00	1,773.07
09/16/02 3:00 PM	778.91	1,003.97	1,918.11	24.71	1,006.01	463.40	441.91	422.21	1,656.00	1,765.61
09/16/02 4:00 PM	774.89	1,003.81	1,918.21	24.57	1,005.78	464.93	442.43	423.12	1,656.00	1,759.03
09/16/02 5:00 PM	770.57	1,004.09	1,918.30	24.68	1,005.55	466.21	442.95	421.25	1,656.00	1,758.65
09/16/02 6:00 PM	772.17	1,003.83	1,918.40	24.80	1,005.32	467.50	443.33	417.90	1,656.00	1,761.88
09/16/02 7:00 PM	779.11	1,003.77	1,918.49	24.98	1,005.09	467.94	443.12	414.55	1,656.00	1,765.06
09/16/02 8:00 PM	774.28	1,003.81	1,918.59	25.27	1,004.86	464.62	442.85	411.49	1,656.00	1,765.91
09/16/02 9:00 PM	736.79	1,004.17	1,918.22	22.72	1,004.63	432.13	442.58	409.01	1,656.00	1,769.58
09/16/02 10:00 PM	724.84	1,003.69	1,917.32	22.46	1,004.56	423.89	442.30	406.55	1,656.00	1,777.35
09/16/02 11:00 PM	720.39	1,004.04	1,916.41	22.40	1,004.69	421.47	442.03	404.67	1,656.00	1,780.98

Date	09/16/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/16/02 12:00 AM	1,773.12	1,792.89	1,648.46	1,229.18	985.60	734.76	306.98	211.26	201.75
09/16/02 1:00 AM	1,758.47	1,780.38	1,648.91	1,228.84	984.86	730.99	310.59	213.04	202.48
09/16/02 2:00 AM	1,761.07	1,778.93	1,649.36	1,228.45	984.10	732.56	308.53	211.51	202.12
09/16/02 3:00 AM	1,764.77	1,780.90	1,649.81	1,224.41	983.34	740.10	310.17	212.40	203.60
09/16/02 4:00 AM	1,757.17	1,782.88	1,650.27	1,218.06	982.58	736.46	311.01	213.21	205.15
09/16/02 5:00 AM	1,757.62	1,784.85	1,651.07	1,215.03	971.42	723.24	310.19	213.34	201.60
09/16/02 6:00 AM	1,758.77	1,786.83	1,652.15	1,216.53	971.53	725.50	303.81	209.62	197.94
09/16/02 7:00 AM	1,759.93	1,788.80	1,653.23	1,218.05	973.10	727.88	304.19	209.53	198.43
09/16/02 8:00 AM	1,761.09	1,790.71	1,654.31	1,219.58	974.66	730.27	305.45	210.35	200.03
09/16/02 9:00 AM	1,762.25	1,786.47	1,655.38	1,221.11	976.23	732.66	307.06	211.98	202.52
09/16/02 10:00 AM	1,761.86	1,782.33	1,656.46	1,222.63	977.79	735.05	310.64	214.56	205.37
09/16/02 11:00 AM	1,758.97	1,785.66	1,657.54	1,224.16	979.36	737.43	311.75	215.96	207.38
09/16/02 12:00 PM	1,756.06	1,789.13	1,658.61	1,225.69	980.92	739.03	313.72	217.99	210.24
09/16/02 1:00 PM	1,768.50	1,791.75	1,658.65	1,226.47	981.64	739.31	312.77	218.41	210.45
09/16/02 2:00 PM	1,773.07	1,793.24	1,657.91	1,226.50	980.99	739.54	312.99	219.09	210.64
09/16/02 3:00 PM	1,765.61	1,794.74	1,657.17	1,226.54	980.32	739.31	312.63	218.85	211.18
09/16/02 4:00 PM	1,759.03	1,793.51	1,656.43	1,226.58	979.66	739.62	313.81	219.67	212.33
09/16/02 5:00 PM	1,758.65	1,785.33	1,655.69	1,226.62	978.99	740.17	315.80	220.73	213.78
09/16/02 6:00 PM	1,761.88	1,790.20	1,654.94	1,226.66	978.32	740.28	315.92	220.79	212.55
09/16/02 7:00 PM	1,765.06	1,792.42	1,654.20	1,226.70	977.66	737.74	313.95	218.74	209.47
09/16/02 8:00 PM	1,765.91	1,788.52	1,653.46	1,226.73	976.99	739.09	312.01	217.41	204.32
09/16/02 9:00 PM	1,769.58	1,791.45	1,652.58	1,224.11	976.84	731.89	311.77	216.94	204.06
09/16/02 10:00 PM	1,777.35	1,802.06	1,651.60	1,218.86	977.42	725.63	308.92	215.22	202.64
09/16/02 11:00 PM	1,780.98	1,806.54	1,650.61	1,213.91	978.02	732.03	308.83	214.64	203.11



Date	09/15/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/15/02 12:00 AM	751.98	1,003.86	1,917.55	24.43	1,005.88	446.16	442.59	409.73	1,656.00	1,774.78
09/15/02 1:00 AM	747.58	1,004.05	1,917.96	24.41	1,005.75	442.31	443.31	411.63	1,656.00	1,779.81
09/15/02 2:00 AM	747.92	1,004.66	1,918.36	23.95	1,005.63	442.61	444.03	413.53	1,656.00	1,780.36
09/15/02 3:00 AM	748.61	1,004.13	1,918.77	24.19	1,005.50	443.96	441.83	410.80	1,656.00	1,772.60
09/15/02 4:00 AM	751.46	1,003.63	1,919.17	24.44	1,005.38	445.46	441.80	407.67	1,656.00	1,766.18
09/15/02 5:00 AM	754.38	1,003.77	1,919.49	24.69	1,005.26	454.06	442.12	408.67	1,656.00	1,766.16
09/15/02 6:00 AM	750.95	1,004.03	1,919.68	24.72	1,005.26	452.27	442.44	409.67	1,656.00	1,766.87
09/15/02 7:00 AM	750.72	1,004.12	1,919.87	24.38	1,005.45	449.53	442.75	410.67	1,656.00	1,767.55
09/15/02 8:00 AM	744.59	1,003.62	1,920.06	24.47	1,005.64	446.62	442.59	411.67	1,656.00	1,766.43
09/15/02 9:00 AM	748.13	1,004.06	1,920.25	24.57	1,005.83	446.74	442.10	412.67	1,656.00	1,764.20
09/15/02 10:00 AM	749.81	1,004.17	1,920.44	24.13	1,006.02	447.15	441.62	414.05	1,656.00	1,761.98
09/15/02 11:00 AM	749.88	1,003.83	1,920.63	24.33	1,006.21	448.58	441.14	415.88	1,656.00	1,762.79
09/15/02 12:00 PM	768.18	1,003.75	1,920.82	25.48	1,006.39	461.56	440.66	417.72	1,656.00	1,766.46
09/15/02 1:00 PM	775.36	1,004.13	1,920.67	25.24	1,006.58	464.09	440.18	419.02	1,656.00	1,770.01
09/15/02 2:00 PM	782.01	1,004.19	1,920.10	24.95	1,006.58	464.89	439.70	419.74	1,656.00	1,772.31
09/15/02 3:00 PM	774.73	1,003.75	1,919.53	25.29	1,006.32	467.74	439.22	420.27	1,656.00	1,774.28
09/15/02 4:00 PM	774.41	1,003.75	1,918.96	25.40	1,006.06	468.77	438.75	419.30	1,656.00	1,774.88
09/15/02 5:00 PM	776.01	1,003.97	1,918.39	25.36	1,005.80	467.33	438.27	417.99	1,656.00	1,772.80
09/15/02 6:00 PM	774.55	1,004.04	1,917.81	25.30	1,005.54	465.08	437.80	416.69	1,656.00	1,770.53
09/15/02 7:00 PM	776.73	1,003.93	1,917.24	25.00	1,005.28	462.80	437.32	415.61	1,656.00	1,764.70
09/15/02 8:00 PM	775.57	1,004.34	1,916.67	25.19	1,005.01	462.85	436.85	414.81	1,656.00	1,760.21
09/15/02 9:00 PM	747.95	1,003.93	1,916.44	23.45	1,004.75	443.62	436.43	411.80	1,656.00	1,764.07
09/15/02 10:00 PM	745.77	1,004.04	1,916.63	23.13	1,004.63	438.81	436.81	409.35	1,656.00	1,768.42
09/15/02 11:00 PM	742.67	1,004.14	1,916.82	23.40	1,004.69	439.67	437.44	410.71	1,656.00	1,772.76

Date	09/15/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/15/02 12:00 AM	1,774.78	1,805.56	1,654.90	1,225.63	984.99	738.20	304.32	208.06	198.60
09/15/02 1:00 AM	1,779.81	1,805.98	1,654.74	1,224.76	983.57	737.69	305.55	209.12	199.06
09/15/02 2:00 AM	1,780.36	1,804.65	1,654.57	1,223.50	982.15	737.59	308.90	210.97	200.81
09/15/02 3:00 AM	1,772.60	1,799.52	1,654.41	1,209.64	968.31	729.79	312.20	214.03	200.38
09/15/02 4:00 AM	1,766.18	1,795.67	1,654.24	1,211.95	968.95	727.86	307.82	212.74	199.05
09/15/02 5:00 AM	1,766.16	1,797.84	1,653.95	1,214.25	971.42	724.56	306.11	212.28	199.08
09/15/02 6:00 AM	1,766.87	1,800.69	1,653.35	1,216.55	973.90	725.73	306.71	212.85	199.38
09/15/02 7:00 AM	1,767.55	1,803.32	1,652.74	1,218.85	976.37	729.78	307.97	213.20	200.27
09/15/02 8:00 AM	1,766.43	1,802.00	1,652.13	1,221.16	978.85	733.83	308.67	213.27	201.44
09/15/02 9:00 AM	1,764.20	1,799.21	1,651.52	1,223.46	981.32	737.88	308.26	213.62	202.37
09/15/02 10:00 AM	1,761.98	1,797.55	1,650.92	1,225.76	983.79	741.93	313.70	217.32	206.49
09/15/02 11:00 AM	1,762.79	1,796.81	1,650.31	1,227.09	985.60	743.99	313.36	217.71	206.93
09/15/02 12:00 PM	1,766.46	1,796.08	1,649.70	1,227.63	985.96	744.41	311.14	216.53	207.15
09/15/02 1:00 PM	1,770.01	1,796.85	1,649.22	1,228.16	986.27	744.83	312.58	217.54	209.81
09/15/02 2:00 PM	1,772.31	1,798.87	1,648.92	1,228.70	986.59	745.25	315.57	219.31	212.81
09/15/02 3:00 PM	1,774.28	1,800.88	1,648.61	1,229.24	986.90	745.53	313.35	218.88	211.90
09/15/02 4:00 PM	1,774.88	1,801.63	1,648.30	1,229.77	987.22	744.78	312.14	218.83	210.85
09/15/02 5:00 PM	1,772.80	1,801.03	1,648.00	1,230.31	987.53	743.81	310.07	214.69	206.25
09/15/02 6:00 PM	1,770.53	1,800.14	1,647.69	1,230.84	987.85	742.85	307.20	210.45	202.36
09/15/02 7:00 PM	1,764.70	1,790.66	1,647.39	1,230.90	987.92	741.88	310.71	212.28	205.37
09/15/02 8:00 PM	1,760.21	1,786.66	1,647.08	1,230.55	987.49	740.90	309.16	212.23	204.02
09/15/02 9:00 PM	1,764.07	1,797.10	1,647.11	1,230.21	987.03	739.74	306.08	210.97	201.03
09/15/02 10:00 PM	1,768.42	1,799.19	1,647.56	1,229.87	986.57	738.75	306.14	210.72	200.93
09/15/02 11:00 PM	1,772.76	1,796.73	1,648.01	1,229.53	986.12	738.47	306.09	210.82	200.88

Date		09/14/02 00:00:00								
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/14/02 12:00 AM	749.30	1,003.75	1,915.59	24.79	1,004.95	443.72	439.96	411.05	1,656.00	1,752.68
09/14/02 1:00 AM	754.05	1,004.14	1,915.59	24.62	1,005.11	445.47	439.59	412.23	1,656.00	1,741.70
09/14/02 2:00 AM	754.50	1,003.99	1,915.59	25.01	1,005.28	446.60	439.54	413.44	1,656.00	1,743.06
09/14/02 3:00 AM	755.85	1,003.83	1,915.59	24.56	1,005.44	446.73	440.76	416.64	1,656.00	1,750.59
09/14/02 4:00 AM	753.78	1,004.46	1,915.59	23.95	1,005.60	446.46	442.10	420.97	1,656.00	1,757.08
09/14/02 5:00 AM	748.67	1,004.08	1,915.59	24.43	1,005.76	447.62	442.63	416.85	1,656.00	1,763.12
09/14/02 6:00 AM	751.44	1,003.98	1,915.59	24.65	1,005.85	449.83	440.91	408.35	1,656.00	1,766.25
09/14/02 7:00 AM	755.65	1,003.71	1,915.67	24.96	1,005.82	452.43	440.61	409.96	1,656.00	1,764.44
09/14/02 8:00 AM	754.12	1,004.17	1,916.10	24.98	1,005.80	454.97	440.74	411.57	1,656.00	1,762.55
09/14/02 9:00 AM	755.79	1,003.87	1,916.58	24.77	1,005.78	453.67	440.87	413.18	1,656.00	1,760.67
09/14/02 10:00 AM	755.39	1,004.00	1,917.05	24.55	1,005.75	453.45	441.00	414.79	1,656.00	1,758.87
09/14/02 11:00 AM	761.41	1,004.24	1,917.53	24.32	1,005.73	454.23	441.14	416.40	1,656.00	1,760.94
09/14/02 12:00 PM	768.38	1,003.88	1,918.01	25.28	1,005.71	461.98	441.27	418.01	1,656.00	1,764.67
09/14/02 1:00 PM	784.53	1,003.86	1,918.48	25.29	1,005.68	462.89	441.40	419.10	1,656.00	1,764.83
09/14/02 2:00 PM	784.38	1,003.80	1,918.96	25.17	1,005.70	462.90	441.51	419.20	1,656.00	1,764.19
09/14/02 3:00 PM	778.09	1,003.97	1,919.31	24.89	1,005.76	462.95	441.32	419.27	1,656.00	1,765.97
09/14/02 4:00 PM	775.79	1,003.58	1,919.10	25.09	1,005.82	463.43	441.05	419.05	1,656.00	1,768.70
09/14/02 5:00 PM	777.43	1,004.08	1,918.81	25.04	1,005.88	464.07	440.79	418.50	1,656.00	1,771.43
09/14/02 6:00 PM	776.67	1,003.69	1,918.53	25.57	1,005.95	464.71	440.52	417.96	1,656.00	1,774.16
09/14/02 7:00 PM	779.58	1,003.89	1,918.24	25.44	1,006.01	465.33	440.25	417.33	1,656.00	1,776.30
09/14/02 8:00 PM	769.84	1,004.38	1,917.95	25.06	1,006.07	463.29	440.00	415.36	1,656.00	1,774.48
09/14/02 9:00 PM	758.98	1,004.20	1,917.67	23.86	1,006.14	450.53	440.41	412.94	1,656.00	1,764.82
09/14/02 10:00 PM	756.17	1,003.75	1,917.38	24.33	1,006.12	449.10	441.14	410.51	1,656.00	1,764.73
09/14/02 11:00 PM	755.59	1,003.86	1,917.21	24.34	1,006.00	448.80	441.86	408.50	1,656.00	1,769.76

Date	09/14/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/14/02 12:00 AM	1,752.68	1,779.55	1,654.26	1,228.41	989.22	735.21	309.17	211.72	202.10
09/14/02 1:00 AM	1,741.70	1,771.60	1,653.80	1,228.32	989.56	736.42	309.94	212.20	203.35
09/14/02 2:00 AM	1,743.06	1,773.54	1,653.34	1,228.22	989.91	737.39	308.27	212.10	202.92
09/14/02 3:00 AM	1,750.59	1,781.34	1,652.88	1,226.99	989.80	738.17	308.33	212.87	203.29
09/14/02 4:00 AM	1,757.08	1,783.07	1,652.42	1,223.24	989.02	738.95	312.27	214.80	206.74
09/14/02 5:00 AM	1,763.12	1,781.68	1,651.96	1,213.22	974.00	723.62	314.18	216.83	205.55
09/14/02 6:00 AM	1,766.25	1,784.86	1,651.48	1,211.93	970.57	722.05	308.11	214.20	201.54
09/14/02 7:00 AM	1,764.44	1,788.97	1,650.99	1,214.75	973.07	725.60	310.79	215.54	203.24
09/14/02 8:00 AM	1,762.55	1,793.08	1,650.51	1,217.57	975.58	729.16	309.21	214.89	203.31
09/14/02 9:00 AM	1,760.67	1,797.18	1,650.03	1,220.39	978.09	732.72	309.95	215.40	204.29
09/14/02 10:00 AM	1,758.87	1,800.24	1,649.55	1,223.21	980.59	736.27	310.99	216.43	205.88
09/14/02 11:00 AM	1,760.94	1,792.39	1,649.07	1,226.03	983.10	739.83	315.26	219.43	209.87
09/14/02 12:00 PM	1,764.67	1,784.24	1,648.58	1,228.85	985.31	742.79	314.63	219.35	209.75
09/14/02 1:00 PM	1,764.83	1,791.03	1,648.51	1,231.21	986.15	742.87	311.73	217.35	207.96
09/14/02 2:00 PM	1,764.19	1,798.74	1,649.37	1,231.14	986.82	742.58	312.10	217.88	208.53
09/14/02 3:00 PM	1,765.97	1,795.39	1,650.27	1,230.73	987.49	742.28	315.25	219.05	212.05
09/14/02 4:00 PM	1,768.70	1,796.01	1,651.17	1,230.31	988.15	741.60	314.11	217.84	208.60
09/14/02 5:00 PM	1,771.43	1,800.80	1,652.08	1,229.90	988.82	740.71	312.38	216.43	207.18
09/14/02 6:00 PM	1,774.16	1,805.60	1,652.98	1,229.49	989.48	739.26	310.67	215.58	206.09
09/14/02 7:00 PM	1,776.30	1,807.40	1,653.88	1,229.07	990.15	738.51	311.30	215.03	206.75
09/14/02 8:00 PM	1,774.48	1,797.27	1,654.78	1,228.66	990.48	739.28	310.48	211.73	203.36
09/14/02 9:00 PM	1,764.82	1,802.68	1,655.36	1,228.18	989.26	738.52	307.92	208.97	200.23
09/14/02 10:00 PM	1,764.73	1,803.85	1,655.23	1,227.36	987.84	737.75	307.05	209.49	199.15
09/14/02 11:00 PM	1,769.76	1,804.97	1,655.06	1,226.50	986.41	737.51	305.92	208.85	199.31

Date	09/13/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/13/02 12:00 AM	757.93	1,003.87	1,916.55	24.41	1,004.75	449.16	443.09	410.10	1,656.00	1,771.91
09/13/02 1:00 AM	754.33	1,004.16	1,916.74	23.95	1,004.53	440.53	443.72	413.27	1,656.00	1,771.77
09/13/02 2:00 AM	748.09	1,004.82	1,916.93	23.86	1,004.31	440.40	443.96	413.71	1,656.00	1,771.62
09/13/02 3:00 AM	743.97	1,003.61	1,917.12	24.09	1,004.09	438.99	441.29	404.14	1,656.00	1,769.99
09/13/02 4:00 AM	750.93	1,003.99	1,917.31	24.12	1,003.87	442.67	439.31	404.91	1,656.00	1,759.48
09/13/02 5:00 AM	747.30	1,003.78	1,917.51	24.11	1,003.65	440.29	439.65	406.16	1,656.00	1,759.27
09/13/02 6:00 AM	750.96	1,004.09	1,917.70	24.84	1,003.53	445.53	440.01	407.41	1,656.00	1,762.57
09/13/02 7:00 AM	749.00	1,004.10	1,917.93	24.76	1,003.59	447.05	440.38	408.66	1,656.00	1,765.87
09/13/02 8:00 AM	752.43	1,003.96	1,918.38	24.57	1,003.65	448.39	440.75	409.91	1,656.00	1,769.17
09/13/02 9:00 AM	748.25	1,003.85	1,918.86	24.88	1,003.71	450.05	441.11	411.16	1,656.00	1,771.41
09/13/02 10:00 AM	753.46	1,004.12	1,919.33	24.20	1,003.77	450.18	441.48	412.32	1,656.00	1,762.35
09/13/02 11:00 AM	757.92	1,003.81	1,919.81	24.26	1,003.83	450.86	441.84	413.18	1,656.00	1,750.46
09/13/02 12:00 PM	776.92	1,003.80	1,920.29	25.32	1,003.89	460.08	442.08	414.02	1,656.00	1,745.16
09/13/02 1:00 PM	778.25	1,004.20	1,920.76	25.65	1,003.95	462.49	442.11	414.86	1,656.00	1,743.47
09/13/02 2:00 PM	780.92	1,003.85	1,921.24	25.78	1,004.01	463.57	442.13	415.25	1,656.00	1,747.40
09/13/02 3:00 PM	785.26	1,004.16	1,921.53	25.55	1,004.08	463.78	442.16	414.80	1,656.00	1,752.60
09/13/02 4:00 PM	782.45	1,004.12	1,920.89	25.68	1,004.16	463.50	442.19	414.69	1,656.00	1,757.79
09/13/02 5:00 PM	784.30	1,004.03	1,920.13	25.92	1,004.23	462.93	442.22	416.34	1,656.00	1,762.99
09/13/02 6:00 PM	780.54	1,004.16	1,919.36	25.35	1,004.30	462.08	442.17	418.00	1,656.00	1,767.17
09/13/02 7:00 PM	779.13	1,004.16	1,918.60	25.14	1,004.37	460.40	441.83	416.16	1,656.00	1,769.60
09/13/02 8:00 PM	782.10	1,004.02	1,917.84	25.65	1,004.45	462.29	441.45	413.15	1,656.00	1,771.29
09/13/02 9:00 PM	758.17	1,003.99	1,917.07	24.71	1,004.52	449.90	441.08	410.72	1,656.00	1,770.71
09/13/02 10:00 PM	754.03	1,003.98	1,916.31	24.70	1,004.63	447.14	440.71	409.95	1,656.00	1,769.97
09/13/02 11:00 PM	753.61	1,004.01	1,915.67	24.49	1,004.79	444.76	440.34	409.91	1,656.00	1,763.99

Date	09/13/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/13/02 12:00 AM	1,771.91	1,799.48	1,641.16	1,222.12	978.59	734.91	307.69	210.88	199.88
09/13/02 1:00 AM	1,771.77	1,798.87	1,641.87	1,219.26	977.01	735.29	308.79	211.24	200.99
09/13/02 2:00 AM	1,771.62	1,798.25	1,642.58	1,215.11	973.84	728.97	312.86	214.49	201.48
09/13/02 3:00 AM	1,769.99	1,797.83	1,643.30	1,208.15	966.23	726.41	305.44	211.31	197.95
09/13/02 4:00 AM	1,759.48	1,798.51	1,644.01	1,209.63	967.92	726.81	307.07	212.16	198.90
09/13/02 5:00 AM	1,759.27	1,799.39	1,644.73	1,212.12	970.42	727.84	308.04	213.29	199.81
09/13/02 6:00 AM	1,762.57	1,800.59	1,645.44	1,214.61	972.91	730.07	305.65	212.07	198.79
09/13/02 7:00 AM	1,765.87	1,801.84	1,646.16	1,217.11	975.41	732.32	305.58	211.85	198.76
09/13/02 8:00 AM	1,769.17	1,803.10	1,647.33	1,219.60	977.91	734.58	306.74	212.75	199.83
09/13/02 9:00 AM	1,771.41	1,804.35	1,648.72	1,222.10	980.41	736.83	306.77	213.46	200.82
09/13/02 10:00 AM	1,762.35	1,797.66	1,650.12	1,224.59	982.91	739.08	311.32	215.85	203.99
09/13/02 11:00 AM	1,750.46	1,784.18	1,651.51	1,226.51	984.93	741.07	312.86	217.15	205.96
09/13/02 12:00 PM	1,745.16	1,782.38	1,652.90	1,226.90	985.35	741.47	310.14	215.75	206.75
09/13/02 1:00 PM	1,743.47	1,787.09	1,654.30	1,227.20	985.66	741.62	311.68	214.15	205.44
09/13/02 2:00 PM	1,747.40	1,791.81	1,655.69	1,227.49	985.96	741.77	310.15	213.38	204.02
09/13/02 3:00 PM	1,752.60	1,796.52	1,657.05	1,227.79	986.26	742.74	311.14	213.38	205.51
09/13/02 4:00 PM	1,757.79	1,801.20	1,657.28	1,228.09	986.56	743.15	308.97	211.96	202.28
09/13/02 5:00 PM	1,762.99	1,802.22	1,656.91	1,228.39	986.87	741.64	306.55	211.09	201.15
09/13/02 6:00 PM	1,767.17	1,800.59	1,656.54	1,228.69	987.17	740.03	310.34	213.08	203.51
09/13/02 7:00 PM	1,769.60	1,798.96	1,656.17	1,228.89	987.49	738.28	312.32	214.35	205.22
09/13/02 8:00 PM	1,771.29	1,798.73	1,655.80	1,228.80	987.83	736.85	308.71	212.03	203.88
09/13/02 9:00 PM	1,770.71	1,801.30	1,655.43	1,228.71	988.18	736.87	306.67	211.09	200.23
09/13/02 10:00 PM	1,769.97	1,803.94	1,655.06	1,228.61	988.52	738.13	305.38	210.24	199.18
09/13/02 11:00 PM	1,763.99	1,795.49	1,654.69	1,228.51	988.87	737.34	309.90	212.61	201.72

Date	09/12/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/12/02 12:00 AM	691.41	1,003.73	1,891.13	22.15	1,006.93	408.68	433.28	406.79	1,656.00	1,744.43
09/12/02 1:00 AM	482.07	999.38	1,882.03	14.33	1,007.59	264.61	413.38	396.19	1,656.00	1,693.35
09/12/02 2:00 AM	384.62	988.55	1,880.95	10.83	1,007.50	189.56	392.69	382.63	1,656.00	1,659.71
09/12/02 3:00 AM	390.66	989.51	1,885.61	11.12	1,003.61	191.79	392.46	380.73	1,656.00	1,674.32
09/12/02 4:00 AM	393.40	989.93	1,890.27	11.19	1,003.08	193.31	396.05	383.93	1,656.00	1,665.29
09/12/02 5:00 AM	396.11	991.26	1,894.93	11.23	1,002.81	193.45	399.72	387.23	1,656.00	1,656.19
09/12/02 6:00 AM	423.57	993.98	1,899.59	12.40	1,003.92	212.98	403.99	391.17	1,656.00	1,664.97
09/12/02 7:00 AM	658.32	1,005.98	1,903.89	21.97	1,004.20	384.27	428.17	404.96	1,656.00	1,718.21
09/12/02 8:00 AM	746.94	1,004.42	1,906.20	25.20	1,004.30	451.24	448.69	419.32	1,656.00	1,759.58
09/12/02 9:00 AM	754.56	1,004.38	1,908.21	24.98	1,004.41	452.86	447.99	420.42	1,656.00	1,756.51
09/12/02 10:00 AM	760.08	1,004.22	1,910.21	24.46	1,004.51	453.25	447.27	421.48	1,656.00	1,753.30
09/12/02 11:00 AM	758.26	1,004.08	1,912.22	24.62	1,004.62	454.13	446.56	422.54	1,656.00	1,750.09
09/12/02 12:00 PM	769.58	1,003.62	1,914.22	25.46	1,004.72	460.84	445.84	423.60	1,656.00	1,749.00
09/12/02 1:00 PM	769.15	1,003.83	1,916.23	25.45	1,004.83	463.48	445.12	424.66	1,656.00	1,750.94
09/12/02 2:00 PM	780.94	1,004.09	1,918.24	25.17	1,004.91	463.27	444.51	425.72	1,656.00	1,752.90
09/12/02 3:00 PM	784.38	1,003.99	1,919.88	24.79	1,004.96	463.05	444.38	426.78	1,656.00	1,754.87
09/12/02 4:00 PM	785.71	1,003.68	1,919.67	25.13	1,005.01	462.84	444.31	426.86	1,656.00	1,756.83
09/12/02 5:00 PM	786.65	1,003.86	1,919.20	25.21	1,005.06	462.62	444.25	425.74	1,656.00	1,758.80
09/12/02 6:00 PM	782.17	1,003.96	1,918.72	25.07	1,005.11	462.41	444.19	424.62	1,656.00	1,760.76
09/12/02 7:00 PM	784.22	1,004.14	1,918.24	25.05	1,005.15	462.39	444.11	422.29	1,656.00	1,762.96
09/12/02 8:00 PM	782.66	1,004.23	1,917.76	25.45	1,005.20	463.37	442.73	418.09	1,656.00	1,765.75
09/12/02 9:00 PM	758.51	1,003.91	1,917.29	24.84	1,005.25	448.33	440.46	409.57	1,656.00	1,768.56
09/12/02 10:00 PM	755.38	1,003.91	1,916.81	24.40	1,005.20	447.63	438.89	406.10	1,656.00	1,771.31
09/12/02 11:00 PM	756.86	1,004.28	1,916.43	24.10	1,004.98	447.92	440.96	407.99	1,656.00	1,772.06

Date	09/12/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/12/02 12:00 AM	1,744.43	1,787.38	1,620.75	1,191.96	962.53	712.07	303.14	210.10	200.94
09/12/02 1:00 AM	1,693.35	1,741.32	1,541.53	1,124.78	919.87	669.70	283.13	199.17	190.90
09/12/02 2:00 AM	1,659.71	1,693.60	1,463.20	1,082.98	896.70	641.67	263.69	189.17	182.75
09/12/02 3:00 AM	1,674.32	1,711.08	1,466.40	1,093.42	903.20	642.63	263.11	188.29	182.08
09/12/02 4:00 AM	1,665.29	1,699.85	1,471.19	1,103.87	909.70	643.58	265.35	188.67	182.57
09/12/02 5:00 AM	1,656.19	1,688.62	1,475.99	1,114.31	917.04	646.02	270.90	191.46	185.05
09/12/02 6:00 AM	1,664.97	1,700.88	1,485.18	1,131.52	930.18	658.88	274.84	193.40	186.28
09/12/02 7:00 AM	1,718.21	1,761.72	1,576.09	1,208.42	986.51	713.92	296.64	203.62	197.32
09/12/02 8:00 AM	1,759.58	1,797.33	1,636.27	1,226.25	1,003.27	729.61	311.43	212.85	202.56
09/12/02 9:00 AM	1,756.51	1,789.52	1,638.53	1,226.24	997.76	729.32	310.38	213.43	205.18
09/12/02 10:00 AM	1,753.30	1,781.72	1,640.80	1,226.45	992.26	729.02	312.24	215.94	207.07
09/12/02 11:00 AM	1,750.09	1,774.48	1,643.07	1,226.67	986.93	728.73	313.58	218.17	207.00
09/12/02 12:00 PM	1,749.00	1,775.09	1,645.33	1,226.89	985.42	728.94	314.07	219.22	208.55
09/12/02 1:00 PM	1,750.94	1,778.23	1,647.60	1,227.11	985.51	730.07	312.47	219.10	209.23
09/12/02 2:00 PM	1,752.90	1,781.10	1,649.87	1,227.33	985.60	731.22	314.22	220.15	210.74
09/12/02 3:00 PM	1,754.87	1,783.01	1,652.13	1,227.55	985.69	732.36	316.82	220.98	212.09
09/12/02 4:00 PM	1,756.83	1,784.84	1,652.42	1,227.56	985.78	733.51	314.19	219.07	210.36
09/12/02 5:00 PM	1,758.80	1,786.67	1,650.86	1,226.99	985.87	734.66	310.12	216.26	207.65
09/12/02 6:00 PM	1,760.76	1,788.85	1,649.31	1,226.39	985.96	735.70	309.60	215.58	206.86
09/12/02 7:00 PM	1,762.96	1,795.91	1,647.75	1,225.79	986.01	735.20	312.43	216.96	208.00
09/12/02 8:00 PM	1,765.75	1,804.54	1,646.20	1,225.18	984.90	734.18	310.79	213.28	204.98
09/12/02 9:00 PM	1,768.56	1,811.55	1,644.65	1,224.58	983.32	733.76	303.20	206.89	197.29
09/12/02 10:00 PM	1,771.31	1,804.56	1,643.09	1,223.97	981.74	734.14	303.64	207.94	197.14
09/12/02 11:00 PM	1,772.06	1,800.10	1,641.54	1,223.37	980.17	734.52	309.33	211.63	200.85



Date	09/11/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/11/02 12:00 AM	765.55	1,004.09	1,918.73	24.68	1,004.49	446.80	437.50	411.90	1,656.00	1,758.25
09/11/02 1:00 AM	748.30	1,003.93	1,917.87	24.25	1,004.43	442.63	437.85	413.54	1,656.00	1,753.52
09/11/02 2:00 AM	745.61	1,003.96	1,917.02	24.50	1,004.37	440.52	438.21	414.56	1,656.00	1,755.54
09/11/02 3:00 AM	743.07	1,004.41	1,916.16	23.87	1,004.31	435.41	438.56	415.33	1,656.00	1,759.43
09/11/02 4:00 AM	745.43	1,003.92	1,916.51	24.55	1,004.43	442.41	438.91	416.10	1,656.00	1,762.76
09/11/02 5:00 AM	741.53	1,003.88	1,918.30	24.50	1,004.80	444.16	439.27	416.87	1,656.00	1,753.50
09/11/02 6:00 AM	716.71	1,003.71	1,917.64	25.69	1,005.18	451.03	439.76	417.64	1,656.00	1,743.10
09/11/02 7:00 AM	696.09	1,003.80	1,916.78	25.22	1,005.55	451.02	440.69	418.41	1,656.00	1,740.43
09/11/02 8:00 AM	700.59	1,004.07	1,915.92	25.38	1,005.93	445.78	441.65	419.18	1,656.00	1,737.95
09/11/02 9:00 AM	692.46	1,003.93	1,915.06	25.14	1,006.30	444.29	442.61	420.01	1,656.00	1,735.47
09/11/02 10:00 AM	693.44	1,004.01	1,914.20	25.10	1,006.67	444.79	443.57	422.03	1,656.00	1,732.99
09/11/02 11:00 AM	694.13	1,003.99	1,913.35	25.66	1,007.05	446.16	444.53	424.52	1,656.00	1,730.51
09/11/02 12:00 PM	704.37	1,003.77	1,912.49	26.51	1,007.01	462.08	445.36	427.01	1,656.00	1,728.21
09/11/02 1:00 PM	707.45	1,003.79	1,912.06	26.54	1,006.43	460.79	445.67	429.50	1,656.00	1,737.73
09/11/02 2:00 PM	705.38	1,003.67	1,913.00	26.36	1,005.84	461.08	445.94	430.48	1,656.00	1,743.08
09/11/02 3:00 PM	705.34	1,003.82	1,914.05	26.31	1,005.26	461.37	446.20	430.09	1,656.00	1,741.94
09/11/02 4:00 PM	704.61	1,003.85	1,915.10	26.29	1,004.67	461.65	446.47	429.71	1,656.00	1,740.80
09/11/02 5:00 PM	708.57	1,003.97	1,916.15	26.47	1,004.09	461.94	446.47	429.32	1,656.00	1,740.61
09/11/02 6:00 PM	719.84	1,003.94	1,917.20	26.26	1,003.50	460.78	445.90	428.94	1,656.00	1,743.43
09/11/02 7:00 PM	745.27	1,004.16	1,918.25	26.18	1,003.61	461.22	445.31	428.54	1,656.00	1,746.47
09/11/02 8:00 PM	748.17	1,004.08	1,919.30	26.28	1,004.28	462.43	444.72	427.78	1,656.00	1,749.52
09/11/02 9:00 PM	753.10	1,005.28	1,918.05	25.22	1,004.94	452.29	444.08	425.23	1,656.00	1,752.56
09/11/02 10:00 PM	748.80	1,003.51	1,909.44	24.97	1,005.60	450.94	441.56	410.15	1,656.00	1,755.61
09/11/02 11:00 PM	752.77	1,004.02	1,900.29	24.61	1,006.26	451.32	438.13	407.73	1,656.00	1,758.65

Date	09/11/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/11/02 12:00 AM	1,758.25	1,798.92	1,640.46	1,205.84	968.94	738.55	306.60	212.76	202.29
09/11/02 1:00 AM	1,753.52	1,795.49	1,637.50	1,206.22	970.30	740.70	307.59	212.91	202.88
09/11/02 2:00 AM	1,755.54	1,793.22	1,634.54	1,206.10	971.67	742.83	305.30	211.51	202.12
09/11/02 3:00 AM	1,759.43	1,791.31	1,631.59	1,205.90	973.04	744.74	307.55	212.57	202.60
09/11/02 4:00 AM	1,762.76	1,789.41	1,628.63	1,205.71	974.41	746.59	304.57	210.82	201.39
09/11/02 5:00 AM	1,753.50	1,787.63	1,627.04	1,205.51	975.77	747.71	306.89	211.97	202.77
09/11/02 6:00 AM	1,743.10	1,785.96	1,626.89	1,205.25	976.63	745.86	303.88	210.02	201.80
09/11/02 7:00 AM	1,740.43	1,784.30	1,626.74	1,204.86	976.45	743.71	300.77	207.71	201.80
09/11/02 8:00 AM	1,737.95	1,782.64	1,626.59	1,204.46	976.24	743.16	301.12	207.53	202.99
09/11/02 9:00 AM	1,735.47	1,780.97	1,626.48	1,204.07	976.02	746.89	302.49	209.24	205.75
09/11/02 10:00 AM	1,732.99	1,779.31	1,628.45	1,203.67	975.80	750.85	304.01	210.35	208.36
09/11/02 11:00 AM	1,730.51	1,777.65	1,678.87	1,203.28	975.59	753.28	305.90	211.84	210.82
09/11/02 12:00 PM	1,728.21	1,776.49	1,700.00	1,202.88	975.37	753.49	310.59	215.70	214.13
09/11/02 1:00 PM	1,737.73	1,778.92	1,700.00	1,202.49	975.16	752.28	313.86	219.05	217.23
09/11/02 2:00 PM	1,743.08	1,782.04	1,700.00	1,203.33	975.45	751.04	308.96	216.93	213.34
09/11/02 3:00 PM	1,741.94	1,785.17	1,700.00	1,205.71	976.10	749.81	308.71	216.93	214.14
09/11/02 4:00 PM	1,740.80	1,788.30	1,681.77	1,208.10	976.75	750.24	309.14	217.46	214.41
09/11/02 5:00 PM	1,740.61	1,788.39	1,632.01	1,210.48	977.40	751.99	313.61	219.76	215.36
09/11/02 6:00 PM	1,743.43	1,784.79	1,632.40	1,212.87	978.04	753.75	315.00	220.11	214.65
09/11/02 7:00 PM	1,746.47	1,784.98	1,632.78	1,215.12	978.69	755.50	314.81	219.95	212.51
09/11/02 8:00 PM	1,749.52	1,786.62	1,633.17	1,214.75	979.34	757.08	312.18	217.98	210.31
09/11/02 9:00 PM	1,752.56	1,788.25	1,633.55	1,213.18	979.67	744.02	315.03	219.01	209.61
09/11/02 10:00 PM	1,755.61	1,789.89	1,633.94	1,210.43	977.13	726.08	305.93	213.68	202.26
09/11/02 11:00 PM	1,758.65	1,791.53	1,634.32	1,208.95	975.04	723.55	306.45	213.16	201.76

Date	09/10/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/10/02 12:00 AM	739.70	1,003.88	1,918.77	23.95	1,005.42	441.26	437.84	408.66	1,656.00	1,754.93
09/10/02 1:00 AM	752.31	1,003.72	1,918.29	24.07	1,005.48	447.19	437.83	409.91	1,656.00	1,758.55
09/10/02 2:00 AM	762.15	1,003.64	1,917.81	23.88	1,005.51	449.15	437.83	411.16	1,656.00	1,762.17
09/10/02 3:00 AM	757.21	1,003.80	1,917.34	24.18	1,005.53	449.60	437.82	412.38	1,656.00	1,765.59
09/10/02 4:00 AM	758.75	1,003.84	1,921.13	23.96	1,005.56	445.95	437.92	413.28	1,656.00	1,766.64
09/10/02 5:00 AM	754.98	1,003.57	1,924.69	24.13	1,005.58	447.08	438.07	414.09	1,656.00	1,766.99
09/10/02 6:00 AM	751.98	1,003.96	1,920.53	24.22	1,005.60	442.78	438.23	414.91	1,656.00	1,764.90
09/10/02 7:00 AM	750.21	1,003.66	1,916.17	24.17	1,005.63	442.24	438.38	415.72	1,656.00	1,760.77
09/10/02 8:00 AM	748.84	1,003.52	1,911.81	24.61	1,005.65	445.99	438.53	416.54	1,656.00	1,756.64
09/10/02 9:00 AM	743.90	1,003.96	1,907.45	24.51	1,005.44	449.01	438.69	417.35	1,656.00	1,752.51
09/10/02 10:00 AM	747.47	1,003.67	1,903.09	24.71	1,003.56	451.93	438.84	417.70	1,656.00	1,748.38
09/10/02 11:00 AM	656.09	1,006.82	1,892.01	18.63	1,011.21	427.41	438.46	417.30	1,656.00	1,695.52
09/10/02 12:00 PM	764.55	997.10	1,914.13	25.10	1,000.44	455.79	439.42	426.85	1,656.00	1,750.63
09/10/02 1:00 PM	780.00	1,004.14	1,916.10	25.41	1,001.52	462.14	442.91	429.94	1,656.00	1,758.43
09/10/02 2:00 PM	779.86	1,003.82	1,917.05	25.69	1,002.01	461.03	445.39	429.84	1,656.00	1,760.41
09/10/02 3:00 PM	781.56	1,003.98	1,918.01	25.63	1,002.51	465.94	445.15	429.73	1,656.00	1,762.40
09/10/02 4:00 PM	782.60	1,003.63	1,918.96	25.63	1,003.00	463.26	444.76	429.63	1,656.00	1,764.38
09/10/02 5:00 PM	782.76	1,003.53	1,919.92	25.88	1,003.50	462.79	444.37	429.53	1,656.00	1,766.36
09/10/02 6:00 PM	787.01	1,003.73	1,920.87	25.91	1,003.99	462.33	443.97	429.42	1,656.00	1,768.24
09/10/02 7:00 PM	789.12	1,004.07	1,921.82	25.58	1,004.48	461.88	443.58	429.32	1,656.00	1,766.31
09/10/02 8:00 PM	780.53	1,004.15	1,922.14	25.54	1,004.74	461.42	443.19	428.91	1,656.00	1,762.37
09/10/02 9:00 PM	758.09	1,004.59	1,921.31	24.57	1,004.68	449.84	442.80	424.02	1,656.00	1,760.81
09/10/02 10:00 PM	750.19	1,004.40	1,920.45	24.46	1,004.62	448.32	443.89	423.43	1,656.00	1,761.98
09/10/02 11:00 PM	758.18	1,003.57	1,919.59	24.81	1,004.56	446.73	440.58	413.34	1,656.00	1,762.54

Date	09/10/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/10/02 12:00 AM	1,754.93	1,798.53	1,650.69	1,209.75	973.13	729.92	306.87	211.15	202.68
09/10/02 1:00 AM	1,758.55	1,799.31	1,650.87	1,211.38	978.27	732.86	307.73	211.51	202.03
09/10/02 2:00 AM	1,762.17	1,800.09	1,651.05	1,213.02	983.41	735.67	309.66	212.17	202.48
09/10/02 3:00 AM	1,765.59	1,800.76	1,651.23	1,214.66	987.30	737.41	306.79	210.24	200.95
09/10/02 4:00 AM	1,766.64	1,800.89	1,651.40	1,216.30	988.04	738.93	305.58	208.89	200.61
09/10/02 5:00 AM	1,766.99	1,800.88	1,651.58	1,216.84	988.63	740.44	305.84	208.97	200.25
09/10/02 6:00 AM	1,764.90	1,799.26	1,651.76	1,215.87	989.22	741.85	303.68	207.92	199.13
09/10/02 7:00 AM	1,760.77	1,796.86	1,651.94	1,214.89	989.80	741.91	305.59	208.79	200.25
09/10/02 8:00 AM	1,756.64	1,794.46	1,652.04	1,213.91	990.39	741.53	303.54	208.17	200.28
09/10/02 9:00 AM	1,752.51	1,792.07	1,652.07	1,212.93	990.97	741.16	305.46	210.93	202.63
09/10/02 10:00 AM	1,748.38	1,789.67	1,652.10	1,211.94	991.56	740.79	308.23	214.08	205.61
09/10/02 11:00 AM	1,695.52	1,733.72	1,600.07	1,182.51	975.84	732.35	305.24	213.40	207.29
09/10/02 12:00 PM	1,750.63	1,789.87	1,636.79	1,215.48	982.97	743.05	311.04	217.50	212.61
09/10/02 1:00 PM	1,758.43	1,795.53	1,661.55	1,229.23	997.53	754.74	318.06	222.33	217.04
09/10/02 2:00 PM	1,760.41	1,796.25	1,660.12	1,228.96	997.08	753.49	316.89	222.76	216.74
09/10/02 3:00 PM	1,762.40	1,796.97	1,658.69	1,228.70	996.49	752.24	315.43	222.15	216.00
09/10/02 4:00 PM	1,764.38	1,797.69	1,657.25	1,228.43	995.91	751.00	315.55	222.74	215.85
09/10/02 5:00 PM	1,766.36	1,798.11	1,655.82	1,228.16	995.33	749.79	313.90	221.91	215.31
09/10/02 6:00 PM	1,768.24	1,794.69	1,654.38	1,227.89	994.75	749.04	313.47	221.54	215.29
09/10/02 7:00 PM	1,766.31	1,791.49	1,652.95	1,227.63	994.17	748.42	313.92	220.13	213.97
09/10/02 8:00 PM	1,762.37	1,794.01	1,651.51	1,227.32	993.58	747.81	315.02	220.13	213.20
09/10/02 9:00 PM	1,760.81	1,797.13	1,649.33	1,219.95	990.95	746.81	311.87	216.99	209.09
09/10/02 10:00 PM	1,761.98	1,800.26	1,646.37	1,208.00	977.85	738.41	315.71	218.78	209.01
09/10/02 11:00 PM	1,762.54	1,802.01	1,643.42	1,205.38	967.57	736.40	306.78	213.70	202.31

Date	09/09/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/09/02 12:00 AM	724.87	1,003.77	1,917.15	24.42	1,005.39	435.12	435.85	411.17	1,656.00	1,748.86
09/09/02 1:00 AM	744.24	1,003.73	1,916.48	23.66	1,005.38	438.91	436.93	412.56	1,656.00	1,748.33
09/09/02 2:00 AM	741.23	1,004.00	1,915.82	23.80	1,005.23	439.20	438.02	413.96	1,656.00	1,747.81
09/09/02 3:00 AM	743.10	1,004.22	1,915.15	23.45	1,005.06	439.48	439.11	415.35	1,656.00	1,747.75
09/09/02 4:00 AM	744.63	1,003.90	1,915.07	23.29	1,004.89	439.77	440.20	416.75	1,656.00	1,750.07
09/09/02 5:00 AM	762.95	1,003.92	1,915.55	24.47	1,004.71	446.27	441.29	418.11	1,656.00	1,749.33
09/09/02 6:00 AM	763.43	1,003.90	1,916.03	24.31	1,004.54	447.07	442.16	419.29	1,656.00	1,744.31
09/09/02 7:00 AM	766.28	1,004.00	1,916.50	24.32	1,004.37	448.73	442.39	420.43	1,656.00	1,739.27
09/09/02 8:00 AM	765.70	1,004.12	1,916.98	24.36	1,004.19	450.35	442.58	421.57	1,656.00	1,734.45
09/09/02 9:00 AM	765.61	1,003.87	1,917.46	24.44	1,004.05	451.95	442.77	422.71	1,656.00	1,737.56
09/09/02 10:00 AM	764.67	1,004.05	1,917.93	24.75	1,004.13	451.32	442.96	423.85	1,656.00	1,744.61
09/09/02 11:00 AM	761.83	1,003.87	1,918.41	24.99	1,004.25	451.35	443.15	424.99	1,656.00	1,751.66
09/09/02 12:00 PM	790.08	1,003.99	1,918.79	25.59	1,004.37	463.22	443.33	427.09	1,656.00	1,754.71
09/09/02 1:00 PM	785.27	1,004.43	1,919.08	25.70	1,004.50	464.40	443.41	429.26	1,656.00	1,754.58
09/09/02 2:00 PM	790.06	1,004.28	1,919.36	25.74	1,004.62	464.75	443.47	427.83	1,656.00	1,754.45
09/09/02 3:00 PM	786.32	1,004.16	1,919.65	25.77	1,004.74	465.10	443.52	426.32	1,656.00	1,754.33
09/09/02 4:00 PM	786.80	1,003.91	1,919.94	25.91	1,004.87	465.45	443.58	424.97	1,656.00	1,753.73
09/09/02 5:00 PM	789.71	1,003.95	1,920.22	26.06	1,004.99	465.80	443.63	424.24	1,656.00	1,751.32
09/09/02 6:00 PM	788.30	1,003.93	1,920.51	26.04	1,005.06	466.15	443.69	423.59	1,656.00	1,748.74
09/09/02 7:00 PM	786.42	1,003.89	1,920.79	25.75	1,005.12	466.50	443.74	422.93	1,656.00	1,746.32
09/09/02 8:00 PM	784.51	1,003.75	1,920.68	25.66	1,005.18	465.51	443.44	422.28	1,656.00	1,745.88
09/09/02 9:00 PM	739.91	1,004.73	1,920.20	23.96	1,005.24	438.28	439.67	414.66	1,656.00	1,746.00
09/09/02 10:00 PM	740.81	1,003.56	1,919.72	23.55	1,005.30	435.34	438.07	406.32	1,656.00	1,747.70
09/09/02 11:00 PM	731.74	1,003.62	1,919.25	23.91	1,005.36	437.95	437.84	407.41	1,656.00	1,751.31

Date	09/09/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/09/02 12:00 AM	1,748.86	1,796.40	1,629.89	1,211.49	966.47	729.31	304.91	212.16	204.30
09/09/02 1:00 AM	1,748.33	1,791.05	1,632.86	1,212.57	969.36	730.44	305.12	212.05	204.53
09/09/02 2:00 AM	1,747.81	1,784.58	1,635.90	1,213.65	972.25	731.54	306.38	212.62	205.89
09/09/02 3:00 AM	1,747.75	1,778.85	1,638.95	1,214.74	975.14	732.65	307.56	213.05	206.81
09/09/02 4:00 AM	1,750.07	1,777.46	1,642.00	1,215.82	978.01	733.76	310.49	213.50	207.51
09/09/02 5:00 AM	1,749.33	1,780.96	1,645.04	1,216.90	979.85	734.86	307.81	212.21	205.95
09/09/02 6:00 AM	1,744.31	1,783.12	1,648.09	1,217.98	981.06	735.96	309.45	212.82	205.51
09/09/02 7:00 AM	1,739.27	1,783.46	1,651.13	1,219.06	982.27	736.44	306.69	211.00	204.34
09/09/02 8:00 AM	1,734.45	1,783.80	1,652.88	1,219.82	983.48	736.58	308.18	212.33	205.72
09/09/02 9:00 AM	1,737.56	1,784.25	1,652.36	1,220.29	984.69	736.72	310.70	214.99	209.50
09/09/02 10:00 AM	1,744.61	1,786.67	1,651.80	1,220.76	985.91	736.87	307.96	214.19	209.50
09/09/02 11:00 AM	1,751.66	1,789.79	1,651.24	1,221.23	987.12	737.24	309.75	216.47	211.64
09/09/02 12:00 PM	1,754.71	1,789.68	1,650.68	1,221.70	988.31	741.00	314.77	219.56	215.33
09/09/02 1:00 PM	1,754.58	1,779.24	1,650.13	1,222.16	988.57	742.66	315.07	220.70	215.75
09/09/02 2:00 PM	1,754.45	1,780.87	1,649.57	1,222.63	988.25	741.51	316.15	221.71	215.94
09/09/02 3:00 PM	1,754.33	1,782.74	1,649.01	1,223.00	987.93	740.36	317.38	222.25	215.72
09/09/02 4:00 PM	1,753.73	1,784.87	1,648.74	1,222.65	987.60	739.21	313.05	219.11	211.69
09/09/02 5:00 PM	1,751.32	1,787.73	1,648.98	1,222.18	987.28	738.06	311.63	217.83	210.76
09/09/02 6:00 PM	1,748.74	1,790.63	1,649.23	1,221.70	986.96	737.43	311.77	217.41	210.21
09/09/02 7:00 PM	1,746.32	1,793.26	1,649.48	1,221.22	986.64	737.36	312.12	216.86	209.26
09/09/02 8:00 PM	1,745.88	1,794.51	1,649.72	1,220.75	985.97	737.30	314.38	217.67	209.84
09/09/02 9:00 PM	1,746.00	1,795.57	1,649.97	1,207.80	964.07	722.67	311.40	216.13	205.60
09/09/02 10:00 PM	1,747.70	1,796.63	1,650.22	1,206.47	962.85	724.05	306.36	212.60	202.16
09/09/02 11:00 PM	1,751.31	1,797.68	1,650.46	1,208.11	967.99	726.98	304.77	210.96	201.33

Date	09/08/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/08/02 12:00 AM	723.59	1,003.68	1,913.67	23.75	1,006.48	420.89	434.75	413.05	1,656.00	1,736.16
09/08/02 1:00 AM	729.75	1,004.17	1,912.92	23.35	1,006.68	423.26	435.21	416.04	1,656.00	1,733.81
09/08/02 2:00 AM	724.58	1,003.94	1,911.85	23.20	1,006.53	425.50	435.66	419.00	1,656.00	1,728.01
09/08/02 3:00 AM	722.12	1,004.22	1,910.78	23.26	1,006.32	427.04	436.12	420.60	1,656.00	1,727.10
09/08/02 4:00 AM	720.74	1,004.30	1,910.87	22.48	1,006.11	422.86	436.57	421.58	1,656.00	1,728.28
09/08/02 5:00 AM	725.70	1,004.02	1,912.12	23.15	1,005.89	428.91	437.03	422.56	1,656.00	1,729.33
09/08/02 6:00 AM	726.15	1,004.07	1,913.36	23.51	1,005.68	431.08	437.54	423.54	1,656.00	1,729.56
09/08/02 7:00 AM	753.28	1,003.73	1,914.60	25.10	1,005.46	450.65	438.27	424.52	1,656.00	1,729.65
09/08/02 8:00 AM	752.41	1,004.33	1,915.84	25.22	1,005.25	452.36	439.04	425.50	1,656.00	1,729.73
09/08/02 9:00 AM	752.44	1,004.02	1,917.08	25.49	1,005.06	450.90	439.81	426.48	1,656.00	1,729.82
09/08/02 10:00 AM	748.96	1,004.10	1,918.32	25.57	1,005.06	452.73	440.57	427.40	1,656.00	1,730.74
09/08/02 11:00 AM	761.02	1,004.19	1,919.56	25.34	1,005.10	457.39	441.34	427.50	1,656.00	1,737.12
09/08/02 12:00 PM	777.59	1,003.61	1,920.17	26.04	1,005.14	465.96	442.10	427.33	1,656.00	1,743.27
09/08/02 1:00 PM	778.07	1,004.23	1,920.17	25.89	1,005.19	462.35	442.87	427.15	1,656.00	1,746.94
09/08/02 2:00 PM	780.11	1,004.17	1,920.17	26.09	1,005.23	464.47	443.60	426.98	1,656.00	1,749.45
09/08/02 3:00 PM	784.17	1,003.58	1,920.17	26.08	1,005.27	464.07	444.17	426.80	1,656.00	1,748.02
09/08/02 4:00 PM	783.95	1,004.20	1,920.17	26.18	1,005.32	464.35	444.72	426.63	1,656.00	1,746.22
09/08/02 5:00 PM	784.29	1,004.13	1,920.17	26.06	1,005.35	464.63	445.27	426.45	1,656.00	1,744.42
09/08/02 6:00 PM	784.43	1,003.91	1,920.17	26.31	1,005.37	465.98	445.82	426.14	1,656.00	1,742.62
09/08/02 7:00 PM	787.23	1,003.96	1,920.17	26.07	1,005.37	464.54	446.37	425.61	1,656.00	1,741.13
09/08/02 8:00 PM	784.97	1,004.11	1,919.82	25.79	1,005.38	466.77	446.93	425.09	1,656.00	1,744.23
09/08/02 9:00 PM	750.58	1,005.24	1,919.16	24.34	1,005.38	449.31	445.03	422.02	1,656.00	1,748.86
09/08/02 10:00 PM	740.11	1,003.25	1,918.49	24.38	1,005.38	441.01	434.53	408.74	1,656.00	1,750.37
09/08/02 11:00 PM	744.18	1,003.70	1,917.82	24.03	1,005.39	436.43	434.76	409.77	1,656.00	1,749.55

Date	09/08/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/08/02 12:00 AM	1,736.16	1,770.58	1,609.84	1,191.11	968.00	720.62	304.71	212.24	207.18
09/08/02 1:00 AM	1,733.81	1,772.45	1,613.47	1,194.52	970.76	721.63	308.95	214.72	208.93
09/08/02 2:00 AM	1,728.01	1,770.47	1,617.10	1,197.94	973.52	722.64	309.61	214.87	209.32
09/08/02 3:00 AM	1,727.10	1,768.68	1,620.73	1,201.36	976.28	723.64	308.30	214.13	208.36
09/08/02 4:00 AM	1,728.28	1,766.98	1,624.36	1,204.77	979.04	724.65	310.32	214.90	209.01
09/08/02 5:00 AM	1,729.33	1,765.53	1,627.98	1,207.55	981.77	725.66	310.35	214.60	209.07
09/08/02 6:00 AM	1,729.56	1,765.62	1,631.37	1,209.52	983.20	729.69	308.63	213.46	208.00
09/08/02 7:00 AM	1,729.65	1,765.98	1,634.38	1,211.47	983.97	737.39	310.68	215.33	207.72
09/08/02 8:00 AM	1,729.73	1,766.34	1,637.39	1,213.43	984.74	738.24	311.23	216.78	208.07
09/08/02 9:00 AM	1,729.82	1,766.70	1,640.40	1,215.39	985.51	739.08	312.22	218.38	209.82
09/08/02 10:00 AM	1,730.74	1,765.60	1,643.41	1,217.35	986.28	739.91	313.89	219.88	212.05
09/08/02 11:00 AM	1,737.12	1,759.53	1,646.42	1,219.30	987.05	740.52	317.46	222.06	214.15
09/08/02 12:00 PM	1,743.27	1,772.22	1,649.42	1,221.26	987.82	740.65	315.34	220.71	212.96
09/08/02 1:00 PM	1,746.94	1,780.61	1,652.43	1,222.18	988.55	740.64	316.64	221.46	214.54
09/08/02 2:00 PM	1,749.45	1,785.08	1,653.27	1,222.32	988.26	740.35	315.10	220.65	214.15
09/08/02 3:00 PM	1,748.02	1,785.90	1,650.88	1,222.46	987.49	740.05	313.89	220.54	213.57
09/08/02 4:00 PM	1,746.22	1,786.42	1,648.46	1,222.61	986.73	739.75	314.52	220.18	213.79
09/08/02 5:00 PM	1,744.42	1,786.94	1,646.04	1,222.75	985.97	739.45	313.06	218.16	212.80
09/08/02 6:00 PM	1,742.62	1,787.45	1,643.62	1,222.90	985.20	739.15	312.33	217.34	211.57
09/08/02 7:00 PM	1,741.13	1,787.59	1,641.20	1,223.04	984.44	738.85	312.01	216.62	210.44
09/08/02 8:00 PM	1,744.23	1,783.25	1,638.78	1,223.10	983.67	738.55	315.95	217.84	212.56
09/08/02 9:00 PM	1,748.86	1,779.59	1,636.36	1,207.91	971.78	729.60	315.61	217.78	209.59
09/08/02 10:00 PM	1,750.37	1,785.96	1,633.72	1,202.64	960.69	726.90	302.77	211.12	202.30
09/08/02 11:00 PM	1,749.55	1,793.72	1,630.75	1,208.05	963.58	727.98	304.95	212.37	204.37



Date	09/07/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/07/02 12:00 AM	737.29	1,003.74	1,913.75	24.99	1,004.92	430.68	436.24	413.94	1,656.00	1,726.32
09/07/02 1:00 AM	732.65	1,003.98	1,913.41	24.79	1,004.80	427.80	437.42	414.12	1,656.00	1,724.05
09/07/02 2:00 AM	737.40	1,004.05	1,913.68	24.77	1,004.84	425.10	438.60	414.30	1,656.00	1,723.38
09/07/02 3:00 AM	703.92	1,004.23	1,913.97	23.47	1,004.92	408.70	440.04	414.74	1,656.00	1,719.55
09/07/02 4:00 AM	715.65	1,004.22	1,914.25	24.18	1,005.01	417.64	441.92	417.60	1,656.00	1,712.15
09/07/02 5:00 AM	759.39	1,003.74	1,914.54	27.09	1,005.09	451.69	443.38	421.04	1,656.00	1,722.21
09/07/02 6:00 AM	756.79	1,004.25	1,914.83	27.15	1,005.18	452.66	444.05	423.81	1,656.00	1,735.96
09/07/02 7:00 AM	753.56	1,004.19	1,915.11	26.56	1,005.26	450.14	444.72	425.00	1,656.00	1,739.79
09/07/02 8:00 AM	751.88	1,003.95	1,915.40	26.77	1,005.35	445.98	445.38	426.12	1,656.00	1,740.27
09/07/02 9:00 AM	748.14	1,004.29	1,915.69	27.46	1,005.42	446.73	446.04	427.24	1,656.00	1,729.35
09/07/02 10:00 AM	734.64	1,003.97	1,915.97	27.20	1,005.37	449.65	446.70	428.37	1,656.00	1,718.71
09/07/02 11:00 AM	755.53	1,003.96	1,916.26	27.41	1,005.30	452.13	447.36	429.49	1,656.00	1,737.05
09/07/02 12:00 PM	768.68	1,003.95	1,916.54	28.60	1,005.23	460.81	448.03	429.97	1,656.00	1,736.24
09/07/02 1:00 PM	768.87	1,004.10	1,916.83	28.32	1,005.16	462.58	448.26	429.61	1,656.00	1,735.42
09/07/02 2:00 PM	772.33	1,003.94	1,917.12	28.09	1,005.08	464.06	447.77	429.25	1,656.00	1,734.60
09/07/02 3:00 PM	773.78	1,003.90	1,917.40	28.26	1,005.01	464.60	447.27	428.89	1,656.00	1,733.78
09/07/02 4:00 PM	775.90	1,004.12	1,917.69	28.14	1,004.94	464.76	446.77	428.53	1,656.00	1,732.97
09/07/02 5:00 PM	776.31	1,004.10	1,917.67	27.95	1,004.89	464.93	446.26	428.16	1,656.00	1,732.33
09/07/02 6:00 PM	783.51	1,004.01	1,917.11	27.82	1,005.07	464.83	445.76	427.80	1,656.00	1,731.77
09/07/02 7:00 PM	787.07	1,004.05	1,916.54	27.49	1,005.31	464.19	445.26	427.44	1,656.00	1,731.21
09/07/02 8:00 PM	785.98	1,004.19	1,915.97	27.10	1,005.54	463.54	444.75	428.07	1,656.00	1,730.64
09/07/02 9:00 PM	739.05	1,005.28	1,915.39	24.79	1,005.78	440.45	442.97	423.22	1,656.00	1,720.08
09/07/02 10:00 PM	707.64	1,003.51	1,914.82	23.53	1,006.01	419.92	434.94	408.22	1,656.00	1,703.44
09/07/02 11:00 PM	709.47	1,003.71	1,914.25	23.58	1,006.25	419.06	434.30	410.38	1,656.00	1,720.95

Date	09/07/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/07/02 12:00 AM	1,726.32	1,759.01	1,615.08	1,192.16	964.48	715.29	308.48	217.04	205.88
09/07/02 1:00 AM	1,724.05	1,759.67	1,611.24	1,193.45	967.87	716.18	307.56	216.62	205.46
09/07/02 2:00 AM	1,723.38	1,760.57	1,607.90	1,194.73	971.27	717.07	308.20	216.75	206.42
09/07/02 3:00 AM	1,719.55	1,759.16	1,605.09	1,196.01	974.67	718.20	306.54	216.20	205.59
09/07/02 4:00 AM	1,712.15	1,754.66	1,602.88	1,197.26	978.03	720.63	306.98	215.60	207.06
09/07/02 5:00 AM	1,722.21	1,756.95	1,608.24	1,197.95	979.09	725.10	311.24	217.25	209.62
09/07/02 6:00 AM	1,735.96	1,761.67	1,615.87	1,198.39	978.74	726.08	310.17	216.32	209.14
09/07/02 7:00 AM	1,739.79	1,766.30	1,621.34	1,198.83	978.39	726.03	311.68	216.68	209.96
09/07/02 8:00 AM	1,740.27	1,770.67	1,620.60	1,199.27	978.04	725.98	313.04	218.52	211.35
09/07/02 9:00 AM	1,729.35	1,772.05	1,619.49	1,199.71	977.69	725.93	311.85	219.09	211.90
09/07/02 10:00 AM	1,718.71	1,758.27	1,616.07	1,201.74	977.53	725.89	313.68	221.02	212.00
09/07/02 11:00 AM	1,737.05	1,778.03	1,617.61	1,203.32	977.76	726.21	315.30	221.97	213.62
09/07/02 12:00 PM	1,736.24	1,779.84	1,620.65	1,204.34	978.00	727.14	315.63	221.85	214.25
09/07/02 1:00 PM	1,735.42	1,782.19	1,623.70	1,205.37	978.25	728.08	316.82	222.62	215.63
09/07/02 2:00 PM	1,734.60	1,784.54	1,626.74	1,206.40	978.49	729.02	318.02	223.58	215.49
09/07/02 3:00 PM	1,733.78	1,786.90	1,629.79	1,207.42	978.73	729.96	316.52	222.74	214.79
09/07/02 4:00 PM	1,732.97	1,787.19	1,632.73	1,208.45	978.98	730.90	316.36	222.52	214.25
09/07/02 5:00 PM	1,732.33	1,784.23	1,633.14	1,209.48	979.22	731.84	315.14	221.04	213.67
09/07/02 6:00 PM	1,731.77	1,781.19	1,632.46	1,210.32	979.35	732.78	313.94	219.81	212.68
09/07/02 7:00 PM	1,731.21	1,777.35	1,631.78	1,209.95	979.29	734.55	314.39	219.60	211.51
09/07/02 8:00 PM	1,730.64	1,773.23	1,631.10	1,209.37	979.22	737.22	314.96	219.19	211.20
09/07/02 9:00 PM	1,720.08	1,756.60	1,623.50	1,196.49	975.02	725.90	315.37	219.94	209.18
09/07/02 10:00 PM	1,703.44	1,738.71	1,602.85	1,186.12	963.45	722.73	304.32	213.73	203.01
09/07/02 11:00 PM	1,720.95	1,755.22	1,606.21	1,187.69	965.23	720.46	304.26	213.04	203.26

Date	09/06/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFY1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/06/02 12:00 AM	727.31	1,003.89	1,913.26	24.04	1,006.16	425.20	439.57	419.72	1,656.00	1,715.43
09/06/02 1:00 AM	706.83	1,003.80	1,912.65	23.47	1,006.24	416.93	438.57	420.68	1,656.00	1,715.53
09/06/02 2:00 AM	707.60	1,004.06	1,912.91	23.22	1,006.23	415.83	437.59	421.64	1,656.00	1,715.64
09/06/02 3:00 AM	703.84	1,004.03	1,913.20	22.96	1,006.20	414.77	437.32	422.61	1,656.00	1,715.32
09/06/02 4:00 AM	702.98	1,003.90	1,913.49	23.03	1,006.17	413.11	437.40	423.57	1,656.00	1,705.81
09/06/02 5:00 AM	677.46	1,003.92	1,913.77	22.03	1,006.13	401.08	437.48	424.52	1,656.00	1,695.23
09/06/02 6:00 AM	674.70	1,003.81	1,914.06	21.64	1,006.10	393.44	437.57	424.63	1,656.00	1,700.96
09/06/02 7:00 AM	707.12	1,003.66	1,914.35	23.54	1,006.07	416.42	437.89	424.03	1,656.00	1,713.52
09/06/02 8:00 AM	736.25	1,003.72	1,914.63	24.86	1,006.03	433.59	440.34	423.35	1,656.00	1,725.31
09/06/02 9:00 AM	748.62	1,004.09	1,914.98	25.84	1,006.00	442.06	441.85	421.27	1,656.00	1,723.03
09/06/02 10:00 AM	694.00	1,004.04	1,915.46	23.58	1,005.99	405.02	441.56	418.17	1,656.00	1,688.57
09/06/02 11:00 AM	697.47	1,004.07	1,915.93	23.69	1,005.98	407.44	439.80	420.52	1,656.00	1,695.61
09/06/02 12:00 PM	752.21	1,003.59	1,916.41	27.16	1,005.97	452.37	440.47	424.86	1,656.00	1,741.71
09/06/02 1:00 PM	763.29	1,003.93	1,916.89	27.39	1,005.97	454.27	441.96	425.75	1,656.00	1,742.45
09/06/02 2:00 PM	749.77	1,003.79	1,917.36	27.71	1,005.96	455.47	443.43	426.64	1,656.00	1,742.05
09/06/02 3:00 PM	756.07	1,003.86	1,917.84	27.67	1,005.95	454.09	443.74	427.52	1,656.00	1,741.71
09/06/02 4:00 PM	758.43	1,003.87	1,918.32	27.61	1,005.94	454.82	443.30	428.41	1,656.00	1,741.37
09/06/02 5:00 PM	766.33	1,003.92	1,918.41	27.94	1,005.93	455.76	442.87	429.30	1,656.00	1,741.04
09/06/02 6:00 PM	771.60	1,003.96	1,917.76	28.40	1,005.80	456.32	442.44	430.18	1,656.00	1,740.71
09/06/02 7:00 PM	765.92	1,003.97	1,917.09	28.40	1,005.66	455.76	442.01	430.58	1,656.00	1,741.30
09/06/02 8:00 PM	760.88	1,003.86	1,916.42	27.80	1,005.51	452.29	441.57	430.47	1,656.00	1,742.56
09/06/02 9:00 PM	752.47	1,004.46	1,915.76	27.59	1,005.36	449.68	440.51	424.51	1,656.00	1,741.54
09/06/02 10:00 PM	725.63	1,003.72	1,915.09	25.36	1,005.22	428.95	436.41	414.12	1,656.00	1,736.50
09/06/02 11:00 PM	724.91	1,003.84	1,914.42	25.27	1,005.07	426.98	435.06	413.84	1,656.00	1,731.38

Date	09/06/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/06/02 12:00 AM	1,715.43	1,755.41	1,609.83	1,193.40	969.33	720.34	309.34	216.83	205.87
09/06/02 1:00 AM	1,715.53	1,751.54	1,606.78	1,191.15	970.08	719.39	306.95	214.79	207.63
09/06/02 2:00 AM	1,715.64	1,747.68	1,604.48	1,188.90	970.82	721.21	307.72	214.92	208.57
09/06/02 3:00 AM	1,715.32	1,743.81	1,602.19	1,186.65	971.56	723.19	308.27	215.06	208.97
09/06/02 4:00 AM	1,705.81	1,739.95	1,599.90	1,184.41	972.30	725.17	308.07	214.39	209.34
09/06/02 5:00 AM	1,695.23	1,736.08	1,597.60	1,183.81	974.15	726.29	304.80	211.67	208.78
09/06/02 6:00 AM	1,700.96	1,739.01	1,595.31	1,189.96	978.73	725.25	305.16	211.94	209.91
09/06/02 7:00 AM	1,713.52	1,757.81	1,596.94	1,197.19	983.15	726.22	307.37	213.55	210.31
09/06/02 8:00 AM	1,725.31	1,754.75	1,619.49	1,206.40	984.94	731.91	311.69	217.51	209.75
09/06/02 9:00 AM	1,723.03	1,759.40	1,617.49	1,205.72	982.76	728.06	311.91	218.76	209.29
09/06/02 10:00 AM	1,688.57	1,721.26	1,606.06	1,196.95	979.20	722.73	310.85	218.82	210.77
09/06/02 11:00 AM	1,695.61	1,725.21	1,600.93	1,191.67	975.92	721.83	308.27	218.06	209.84
09/06/02 12:00 PM	1,741.71	1,779.29	1,620.86	1,211.77	977.59	722.66	313.82	220.28	213.48
09/06/02 1:00 PM	1,742.45	1,781.12	1,625.92	1,211.67	980.32	723.62	314.63	220.98	214.79
09/06/02 2:00 PM	1,742.05	1,781.72	1,628.34	1,211.20	981.42	724.51	314.79	221.62	215.45
09/06/02 3:00 PM	1,741.71	1,782.73	1,627.84	1,210.72	980.43	724.74	312.61	220.50	214.13
09/06/02 4:00 PM	1,741.37	1,783.86	1,627.34	1,210.24	979.43	724.79	310.92	219.40	213.57
09/06/02 5:00 PM	1,741.04	1,784.99	1,626.84	1,209.77	978.44	724.77	311.20	219.21	212.45
09/06/02 6:00 PM	1,740.71	1,786.14	1,626.34	1,208.89	977.44	723.79	312.17	219.27	212.84
09/06/02 7:00 PM	1,741.30	1,788.12	1,625.85	1,203.29	976.44	722.52	314.58	219.85	214.52
09/06/02 8:00 PM	1,742.56	1,790.57	1,625.35	1,196.32	975.45	721.24	313.43	218.66	213.08
09/06/02 9:00 PM	1,741.54	1,788.62	1,624.85	1,191.77	961.21	712.84	313.88	219.18	210.46
09/06/02 10:00 PM	1,736.50	1,777.63	1,622.75	1,191.61	960.05	713.50	303.07	214.38	203.82
09/06/02 11:00 PM	1,731.38	1,766.37	1,618.91	1,191.56	961.44	714.39	305.92	216.12	204.79

Date	09/05/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTSP1C	SGAT3609
09/05/02 12:00 AM	729.84	1,003.76	1,913.08	24.15	1,004.55	427.00	439.02	419.72	1,656.00	1,716.08
09/05/02 1:00 AM	730.01	1,003.90	1,912.70	24.20	1,004.55	427.67	439.32	421.43	1,656.00	1,718.77
09/05/02 2:00 AM	725.13	1,004.00	1,913.16	24.13	1,004.67	426.98	439.63	423.15	1,656.00	1,721.46
09/05/02 3:00 AM	726.52	1,004.12	1,913.63	23.90	1,004.82	427.13	439.93	424.86	1,656.00	1,723.27
09/05/02 4:00 AM	729.02	1,003.62	1,914.11	23.75	1,004.97	424.65	440.16	426.57	1,656.00	1,718.23
09/05/02 5:00 AM	746.52	1,004.24	1,914.59	24.55	1,005.12	437.78	440.35	428.28	1,656.00	1,718.68
09/05/02 6:00 AM	768.07	1,003.79	1,915.07	25.80	1,005.27	452.33	440.54	429.44	1,656.00	1,740.64
09/05/02 7:00 AM	772.15	1,004.13	1,915.54	25.83	1,005.42	452.24	440.73	429.10	1,656.00	1,739.68
09/05/02 8:00 AM	772.04	1,004.12	1,916.02	25.48	1,005.57	452.16	440.93	428.67	1,656.00	1,741.32
09/05/02 9:00 AM	772.54	1,003.87	1,916.53	25.42	1,005.71	452.09	441.12	428.25	1,656.00	1,742.97
09/05/02 10:00 AM	773.14	1,004.02	1,917.10	25.62	1,005.71	452.02	441.31	427.82	1,656.00	1,744.61
09/05/02 11:00 AM	767.40	1,003.92	1,917.67	25.99	1,005.69	452.83	441.51	427.40	1,656.00	1,746.25
09/05/02 12:00 PM	777.02	1,003.83	1,918.25	27.05	1,005.66	460.26	441.70	426.97	1,656.00	1,747.89
09/05/02 1:00 PM	772.56	1,003.84	1,918.82	27.75	1,005.63	458.80	441.90	426.55	1,656.00	1,749.53
09/05/02 2:00 PM	777.16	1,004.00	1,919.39	27.01	1,005.61	456.69	442.10	426.46	1,656.00	1,751.04
09/05/02 3:00 PM	786.11	1,003.91	1,919.96	27.06	1,005.58	459.47	442.30	427.30	1,656.00	1,751.81
09/05/02 4:00 PM	789.02	1,003.97	1,920.54	27.54	1,005.55	462.18	442.50	428.19	1,656.00	1,752.47
09/05/02 5:00 PM	792.50	1,003.94	1,920.58	27.51	1,005.54	464.16	442.70	429.08	1,656.00	1,753.14
09/05/02 6:00 PM	792.77	1,003.99	1,919.56	27.41	1,005.61	467.56	442.90	429.97	1,656.00	1,753.80
09/05/02 7:00 PM	796.30	1,003.96	1,918.51	27.30	1,005.70	470.77	443.08	430.85	1,656.00	1,754.46
09/05/02 8:00 PM	796.19	1,004.09	1,917.46	27.14	1,005.79	465.44	442.92	431.74	1,656.00	1,755.12
09/05/02 9:00 PM	771.40	1,004.94	1,916.41	26.57	1,005.88	456.42	442.50	426.54	1,656.00	1,753.17
09/05/02 10:00 PM	742.63	1,003.86	1,915.36	24.77	1,005.97	437.14	441.58	417.80	1,656.00	1,738.58
09/05/02 11:00 PM	728.83	1,003.77	1,914.31	24.49	1,006.07	429.08	440.57	418.76	1,656.00	1,722.34

Date	09/05/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/05/02 12:00 AM	1,716.08	1,758.90	1,634.62	1,202.95	972.48	725.66	306.79	214.11	207.02
09/05/02 1:00 AM	1,718.77	1,760.06	1,635.49	1,205.08	975.16	727.69	306.77	214.27	207.83
09/05/02 2:00 AM	1,721.46	1,761.21	1,636.37	1,207.22	977.84	729.73	306.72	213.87	208.38
09/05/02 3:00 AM	1,723.27	1,761.96	1,637.25	1,209.35	980.53	731.76	308.50	214.51	210.50
09/05/02 4:00 AM	1,718.23	1,759.78	1,638.13	1,211.49	983.21	733.80	311.59	216.31	211.88
09/05/02 5:00 AM	1,718.68	1,760.11	1,639.01	1,213.45	985.88	735.83	312.50	217.43	211.57
09/05/02 6:00 AM	1,740.64	1,779.54	1,639.97	1,214.17	986.51	737.85	312.16	216.93	211.67
09/05/02 7:00 AM	1,739.68	1,781.27	1,641.59	1,214.65	985.68	738.35	311.93	217.32	210.73
09/05/02 8:00 AM	1,741.32	1,782.52	1,643.36	1,215.12	984.86	737.90	311.93	217.48	211.22
09/05/02 9:00 AM	1,742.97	1,783.78	1,645.13	1,215.59	984.03	737.45	312.87	218.31	212.42
09/05/02 10:00 AM	1,744.61	1,785.04	1,646.90	1,216.06	983.21	737.01	315.62	220.09	213.16
09/05/02 11:00 AM	1,746.25	1,786.29	1,648.67	1,216.54	982.38	736.56	314.73	220.11	213.03
09/05/02 12:00 PM	1,747.89	1,787.54	1,650.19	1,217.01	981.56	736.11	313.85	220.37	213.05
09/05/02 1:00 PM	1,749.53	1,788.71	1,650.50	1,217.39	980.74	735.67	312.93	220.08	212.83
09/05/02 2:00 PM	1,751.04	1,789.86	1,650.64	1,217.32	980.60	735.23	312.42	219.72	213.14
09/05/02 3:00 PM	1,751.81	1,791.00	1,650.78	1,217.17	980.96	735.43	314.47	220.74	214.55
09/05/02 4:00 PM	1,752.47	1,792.15	1,650.93	1,217.03	981.32	736.04	313.79	220.27	214.44
09/05/02 5:00 PM	1,753.14	1,793.30	1,651.07	1,216.89	981.67	736.65	313.49	219.48	213.22
09/05/02 6:00 PM	1,753.80	1,794.45	1,651.21	1,216.75	982.03	737.26	314.21	219.24	212.84
09/05/02 7:00 PM	1,754.46	1,795.59	1,651.35	1,216.61	982.39	737.17	313.34	218.18	212.23
09/05/02 8:00 PM	1,755.12	1,794.10	1,649.87	1,216.47	982.74	735.16	313.27	217.63	212.76
09/05/02 9:00 PM	1,753.17	1,778.52	1,640.34	1,205.07	970.91	726.40	316.37	220.09	211.73
09/05/02 10:00 PM	1,738.58	1,763.91	1,629.71	1,197.89	967.85	724.22	309.69	217.25	206.90
09/05/02 11:00 PM	1,722.34	1,759.27	1,619.08	1,195.64	968.59	722.28	308.72	216.55	206.17

Date	09/04/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/04/02 12:00 AM	730.46	1,003.78	1,914.89	25.66	1,005.79	433.48	435.15	414.17	1,656.00	1,752.74
09/04/02 1:00 AM	738.79	1,004.00	1,914.86	23.38	1,006.57	418.62	434.96	414.30	1,656.00	1,765.68
09/04/02 2:00 AM	733.47	1,003.69	1,914.95	23.84	1,006.70	419.45	434.77	414.43	1,656.00	1,765.95
09/04/02 3:00 AM	700.29	1,003.62	1,915.05	22.96	1,006.65	398.40	434.25	414.57	1,656.00	1,754.98
09/04/02 4:00 AM	631.69	1,003.85	1,915.14	18.55	1,006.61	338.98	428.13	415.72	1,656.00	1,744.02
09/04/02 5:00 AM	694.67	1,004.13	1,915.24	21.39	1,006.56	382.40	432.25	418.09	1,656.00	1,749.00
09/04/02 6:00 AM	735.76	1,004.19	1,915.33	23.10	1,006.52	408.38	438.20	420.46	1,656.00	1,759.94
09/04/02 7:00 AM	758.69	1,004.24	1,915.43	24.39	1,006.47	425.70	439.94	422.83	1,656.00	1,756.49
09/04/02 8:00 AM	763.98	1,004.22	1,915.52	25.73	1,006.43	432.22	439.62	425.20	1,656.00	1,753.04
09/04/02 9:00 AM	767.49	1,005.01	1,915.71	25.65	1,006.37	416.46	439.30	427.48	1,656.00	1,749.59
09/04/02 10:00 AM	769.72	1,003.49	1,916.08	25.96	1,006.19	414.79	438.98	428.40	1,656.00	1,746.99
09/04/02 11:00 AM	766.00	1,003.99	1,916.46	25.57	1,005.97	417.08	438.65	428.85	1,656.00	1,748.31
09/04/02 12:00 PM	770.24	1,003.81	1,916.85	26.07	1,005.75	426.55	438.33	429.31	1,656.00	1,750.13
09/04/02 1:00 PM	774.24	1,004.22	1,917.23	25.01	1,005.54	429.31	438.01	429.76	1,656.00	1,751.94
09/04/02 2:00 PM	764.23	1,004.26	1,917.61	23.55	1,005.32	422.65	437.71	430.22	1,656.00	1,753.76
09/04/02 3:00 PM	774.14	1,003.72	1,917.99	25.18	1,005.10	437.05	437.93	430.67	1,656.00	1,754.92
09/04/02 4:00 PM	781.50	1,004.60	1,918.37	26.16	1,004.88	448.48	438.39	430.73	1,656.00	1,753.74
09/04/02 5:00 PM	785.62	1,004.28	1,918.39	26.36	1,004.68	456.25	438.86	430.27	1,656.00	1,752.33
09/04/02 6:00 PM	783.54	1,003.96	1,917.65	26.34	1,004.63	460.08	439.32	429.79	1,656.00	1,750.93
09/04/02 7:00 PM	787.49	1,004.02	1,916.89	26.28	1,004.62	461.50	439.79	429.32	1,656.00	1,749.52
09/04/02 8:00 PM	780.51	1,003.78	1,916.13	26.54	1,004.60	458.61	440.24	428.85	1,656.00	1,748.12
09/04/02 9:00 PM	771.22	1,004.97	1,915.36	26.37	1,004.59	453.81	439.01	426.86	1,656.00	1,744.92
09/04/02 10:00 PM	761.41	1,003.29	1,914.60	25.44	1,004.58	446.84	438.41	417.07	1,656.00	1,729.29
09/04/02 11:00 PM	733.46	1,004.19	1,913.84	24.14	1,004.57	426.82	438.71	418.01	1,656.00	1,715.03

Date	09/04/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/04/02 12:00 AM	1,752.74	1,789.27	1,636.91	1,202.81	967.74	737.22	305.56	210.50	205.46
09/04/02 1:00 AM	1,765.68	1,803.07	1,636.43	1,206.56	973.03	743.96	307.32	211.63	205.92
09/04/02 2:00 AM	1,765.95	1,799.51	1,635.94	1,210.30	978.28	742.08	307.04	211.28	205.53
09/04/02 3:00 AM	1,754.98	1,780.56	1,633.52	1,205.24	972.68	736.68	305.75	209.58	204.98
09/04/02 4:00 AM	1,744.02	1,780.49	1,611.68	1,184.90	964.93	722.47	295.27	203.40	203.71
09/04/02 5:00 AM	1,749.00	1,795.87	1,616.85	1,202.60	978.32	735.62	301.04	206.30	206.96
09/04/02 6:00 AM	1,759.94	1,789.88	1,631.90	1,215.16	981.77	746.38	309.07	211.58	207.87
09/04/02 7:00 AM	1,756.49	1,780.39	1,636.39	1,216.40	983.97	744.90	310.12	212.45	207.73
09/04/02 8:00 AM	1,753.04	1,773.95	1,637.84	1,217.42	986.17	743.43	313.84	215.62	213.11
09/04/02 9:00 AM	1,749.59	1,774.88	1,639.29	1,218.43	988.11	741.97	313.23	216.09	212.65
09/04/02 10:00 AM	1,746.99	1,776.13	1,640.74	1,219.44	988.50	740.70	316.02	218.79	216.86
09/04/02 11:00 AM	1,748.31	1,777.38	1,642.20	1,220.46	988.64	739.48	315.73	219.56	217.53
09/04/02 12:00 PM	1,750.13	1,778.55	1,643.65	1,221.47	988.77	738.26	316.14	219.61	216.98
09/04/02 1:00 PM	1,751.94	1,779.54	1,645.10	1,222.48	988.91	737.04	313.73	217.33	214.65
09/04/02 2:00 PM	1,753.76	1,780.52	1,646.35	1,222.72	989.04	735.82	312.74	217.16	213.78
09/04/02 3:00 PM	1,754.92	1,781.19	1,645.27	1,221.54	989.17	734.66	314.28	217.84	214.38
09/04/02 4:00 PM	1,753.74	1,780.85	1,643.53	1,220.34	989.31	734.13	315.65	219.09	214.70
09/04/02 5:00 PM	1,752.33	1,780.42	1,641.78	1,219.14	988.92	733.79	316.23	218.88	214.73
09/04/02 6:00 PM	1,750.93	1,779.99	1,640.04	1,217.93	986.11	733.44	315.43	218.63	214.36
09/04/02 7:00 PM	1,749.52	1,779.56	1,638.29	1,216.73	982.99	733.09	313.88	217.77	211.99
09/04/02 8:00 PM	1,748.12	1,779.14	1,636.55	1,215.53	979.87	732.75	314.21	218.33	209.23
09/04/02 9:00 PM	1,744.92	1,771.53	1,634.80	1,206.37	974.12	724.33	309.41	216.51	205.78
09/04/02 10:00 PM	1,729.29	1,758.57	1,633.29	1,198.68	967.11	726.25	308.28	214.94	206.84
09/04/02 11:00 PM	1,715.03	1,757.75	1,633.74	1,200.81	969.80	725.22	305.72	210.55	206.85



Date	09/03/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/03/02 12:00 AM	756.60	1,003.94	1,918.02	24.49	1,005.26	452.48	439.25	413.16	1,656.00	1,764.09
09/03/02 1:00 AM	763.11	1,003.89	1,916.76	23.82	1,005.38	454.89	439.59	416.54	1,656.00	1,755.62
09/03/02 2:00 AM	761.99	1,003.78	1,916.35	23.78	1,005.50	454.12	439.94	419.90	1,656.00	1,747.01
09/03/02 3:00 AM	759.80	1,003.90	1,916.35	23.98	1,005.62	453.92	440.29	421.61	1,656.00	1,746.30
09/03/02 4:00 AM	759.04	1,004.04	1,916.35	23.96	1,005.65	453.72	440.63	422.35	1,656.00	1,749.40
09/03/02 5:00 AM	755.40	1,003.82	1,916.35	24.28	1,005.48	453.58	440.98	423.08	1,656.00	1,752.51
09/03/02 6:00 AM	757.13	1,003.99	1,916.35	23.82	1,005.31	453.53	441.32	423.81	1,656.00	1,755.97
09/03/02 7:00 AM	756.05	1,003.83	1,916.35	23.73	1,005.15	453.49	441.66	424.56	1,656.00	1,759.55
09/03/02 8:00 AM	763.73	1,004.12	1,916.35	24.06	1,004.98	453.23	441.98	425.32	1,656.00	1,761.93
09/03/02 9:00 AM	757.68	1,003.76	1,916.32	24.26	1,004.81	454.93	442.30	426.08	1,656.00	1,762.97
09/03/02 10:00 AM	760.67	1,003.99	1,916.23	24.31	1,004.64	455.13	442.63	427.80	1,656.00	1,764.01
09/03/02 11:00 AM	764.81	1,003.96	1,916.14	24.33	1,004.47	454.07	442.95	430.34	1,656.00	1,765.06
09/03/02 12:00 PM	778.76	1,004.18	1,916.04	24.78	1,004.11	457.82	443.27	432.89	1,656.00	1,765.82
09/03/02 1:00 PM	782.95	1,004.02	1,915.94	24.79	1,003.33	460.79	443.59	434.08	1,656.00	1,762.42
09/03/02 2:00 PM	783.93	1,004.35	1,915.85	25.36	1,002.55	460.94	443.91	433.07	1,656.00	1,757.63
09/03/02 3:00 PM	785.32	1,003.93	1,915.75	25.22	1,001.76	460.96	443.95	432.03	1,656.00	1,752.84
09/03/02 4:00 PM	779.42	1,004.33	1,915.66	23.83	1,000.98	446.17	443.40	430.99	1,656.00	1,748.05
09/03/02 5:00 PM	728.55	1,003.52	1,915.56	22.46	1,000.29	420.46	442.84	425.74	1,656.00	1,717.50
09/03/02 6:00 PM	680.25	1,004.57	1,915.47	26.06	1,000.79	421.79	442.28	415.92	1,656.00	1,684.08
09/03/02 7:00 PM	686.46	1,004.03	1,915.37	26.28	1,001.62	423.08	441.71	416.83	1,656.00	1,693.25
09/03/02 8:00 PM	688.69	1,003.68	1,915.28	26.57	1,002.45	425.95	441.15	419.52	1,656.00	1,702.45
09/03/02 9:00 PM	701.25	1,003.72	1,915.18	26.88	1,003.29	432.59	440.58	422.53	1,656.00	1,713.91
09/03/02 10:00 PM	692.95	1,005.78	1,915.09	26.26	1,004.12	431.81	439.93	425.81	1,656.00	1,726.85
09/03/02 11:00 PM	711.29	1,002.47	1,914.99	25.78	1,004.96	431.41	437.00	417.52	1,656.00	1,739.80

Date	09/03/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/03/02 12:00 AM	1,764.09	1,798.99	1,659.90	1,210.48	966.36	740.47	309.34	213.78	202.76
09/03/02 1:00 AM	1,755.62	1,780.65	1,659.86	1,212.25	969.13	743.24	312.70	214.94	205.65
09/03/02 2:00 AM	1,747.01	1,770.38	1,659.69	1,214.01	971.90	746.00	312.43	214.29	206.49
09/03/02 3:00 AM	1,746.30	1,772.01	1,659.52	1,215.78	974.67	747.14	311.61	213.94	205.47
09/03/02 4:00 AM	1,749.40	1,776.58	1,659.35	1,217.54	977.44	747.08	313.15	214.32	207.04
09/03/02 5:00 AM	1,752.51	1,782.83	1,659.18	1,219.31	980.21	747.03	310.60	213.14	205.22
09/03/02 6:00 AM	1,755.97	1,789.07	1,659.01	1,220.99	982.85	746.97	311.00	213.46	205.81
09/03/02 7:00 AM	1,759.55	1,795.32	1,658.84	1,221.86	983.75	746.92	311.69	213.03	207.39
09/03/02 8:00 AM	1,761.93	1,797.71	1,658.71	1,222.54	984.12	746.86	310.07	212.51	207.02
09/03/02 9:00 AM	1,762.97	1,796.00	1,659.20	1,223.22	984.49	745.96	311.36	214.09	209.10
09/03/02 10:00 AM	1,764.01	1,794.29	1,659.91	1,223.90	984.87	742.75	313.31	215.77	213.15
09/03/02 11:00 AM	1,765.06	1,790.99	1,660.61	1,224.58	985.24	743.38	312.60	216.40	213.64
09/03/02 12:00 PM	1,765.82	1,784.86	1,661.31	1,225.27	985.61	744.24	315.54	218.77	216.40
09/03/02 1:00 PM	1,762.42	1,780.78	1,662.02	1,225.95	985.98	745.10	318.99	220.58	221.15
09/03/02 2:00 PM	1,757.63	1,781.95	1,662.72	1,226.25	986.15	745.07	318.72	220.96	220.40
09/03/02 3:00 PM	1,752.84	1,783.38	1,663.42	1,224.17	983.77	744.07	318.94	220.94	219.76
09/03/02 4:00 PM	1,748.05	1,784.81	1,663.85	1,221.67	980.62	743.08	317.77	220.37	218.56
09/03/02 5:00 PM	1,717.50	1,750.50	1,660.93	1,214.31	974.55	738.41	312.88	217.17	213.55
09/03/02 6:00 PM	1,684.08	1,712.86	1,657.01	1,202.98	965.99	731.41	309.46	215.57	209.10
09/03/02 7:00 PM	1,693.25	1,721.66	1,653.09	1,201.35	968.16	732.14	307.76	213.51	208.70
09/03/02 8:00 PM	1,702.45	1,730.61	1,649.17	1,199.72	970.34	732.86	307.86	212.58	207.68
09/03/02 9:00 PM	1,713.91	1,746.56	1,645.24	1,198.09	972.52	733.59	307.73	211.24	210.66
09/03/02 10:00 PM	1,726.85	1,761.65	1,641.32	1,196.68	970.65	723.00	310.37	212.32	213.49
09/03/02 11:00 PM	1,739.80	1,775.46	1,637.83	1,199.06	962.45	727.22	305.72	210.55	206.85

Date	09/02/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMF1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/02/02 12:00 AM	678.91	1,004.39	1,911.03	24.62	1,009.95	408.43	439.17	416.48	1,656.00	1,659.15
09/02/02 1:00 AM	689.83	1,003.90	1,911.31	22.46	1,009.38	405.42	439.07	409.63	1,656.00	1,667.65
09/02/02 2:00 AM	706.36	1,003.74	1,911.60	21.14	1,008.81	408.22	439.49	409.02	1,656.00	1,681.52
09/02/02 3:00 AM	711.07	1,003.71	1,911.88	23.42	1,008.25	424.55	439.91	414.11	1,656.00	1,692.54
09/02/02 4:00 AM	716.67	1,003.77	1,912.17	21.78	1,007.78	421.59	440.34	416.13	1,656.00	1,698.43
09/02/02 5:00 AM	738.29	1,003.98	1,912.45	22.32	1,007.54	427.18	440.75	422.00	1,656.00	1,710.18
09/02/02 6:00 AM	742.38	1,003.78	1,912.67	23.45	1,007.31	429.56	440.90	423.57	1,656.00	1,718.75
09/02/02 7:00 AM	741.71	1,004.01	1,912.87	23.74	1,007.08	431.65	440.96	424.73	1,656.00	1,727.32
09/02/02 8:00 AM	742.24	1,004.02	1,913.06	23.41	1,006.85	435.80	441.01	425.89	1,656.00	1,735.89
09/02/02 9:00 AM	751.16	1,003.93	1,913.25	23.49	1,006.62	441.11	441.06	427.05	1,656.00	1,744.46
09/02/02 10:00 AM	744.24	1,003.66	1,913.44	24.02	1,006.39	439.96	441.11	428.21	1,656.00	1,744.91
09/02/02 11:00 AM	740.34	1,004.16	1,913.63	23.37	1,006.17	434.67	441.18	429.35	1,656.00	1,734.35
09/02/02 12:00 PM	743.18	1,004.46	1,913.82	23.19	1,005.96	436.85	441.45	430.39	1,656.00	1,738.50
09/02/02 1:00 PM	747.20	1,003.50	1,914.01	23.38	1,005.80	440.84	441.82	431.40	1,656.00	1,742.65
09/02/02 2:00 PM	748.72	1,003.67	1,914.20	23.94	1,005.65	445.45	442.18	432.42	1,656.00	1,746.80
09/02/02 3:00 PM	753.21	1,003.81	1,914.39	24.05	1,005.49	449.82	442.54	433.44	1,656.00	1,750.95
09/02/02 4:00 PM	756.33	1,003.95	1,914.58	23.90	1,005.33	452.57	442.90	434.20	1,656.00	1,752.49
09/02/02 5:00 PM	752.06	1,004.39	1,914.77	24.05	1,005.18	455.06	443.26	433.17	1,656.00	1,749.16
09/02/02 6:00 PM	756.46	1,003.67	1,914.97	24.64	1,005.02	459.10	443.62	431.77	1,656.00	1,755.03
09/02/02 7:00 PM	773.52	1,004.00	1,915.16	25.03	1,004.87	464.84	444.03	430.39	1,656.00	1,762.34
09/02/02 8:00 PM	780.96	1,003.67	1,915.35	24.74	1,004.79	461.61	445.25	431.51	1,656.00	1,769.30
09/02/02 9:00 PM	763.77	1,004.61	1,915.56	24.38	1,004.90	454.32	446.80	430.22	1,656.00	1,770.55
09/02/02 10:00 PM	758.49	1,003.92	1,916.24	25.02	1,005.02	454.76	445.16	419.36	1,656.00	1,769.23
09/02/02 11:00 PM	761.37	1,003.74	1,917.13	24.68	1,005.14	453.10	439.11	409.84	1,656.00	1,767.45

Date	09/02/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/02/02 12:00 AM	1,659.15	1,688.08	1,658.39	1,211.17	969.81	737.38	308.91	212.76	204.63
09/02/02 1:00 AM	1,667.65	1,700.19	1,658.52	1,206.11	954.59	728.91	308.85	213.86	201.66
09/02/02 2:00 AM	1,681.52	1,715.35	1,658.63	1,207.60	960.55	734.59	306.29	211.87	200.90
09/02/02 3:00 AM	1,692.54	1,721.18	1,653.54	1,208.34	965.89	737.21	307.04	211.99	202.70
09/02/02 4:00 AM	1,698.43	1,725.07	1,654.26	1,207.41	968.07	743.56	306.75	211.82	202.20
09/02/02 5:00 AM	1,710.18	1,737.28	1,656.16	1,213.49	969.96	748.93	311.16	213.38	206.39
09/02/02 6:00 AM	1,718.75	1,745.70	1,658.07	1,219.52	971.84	749.28	312.34	213.86	207.88
09/02/02 7:00 AM	1,727.32	1,754.13	1,659.98	1,222.25	973.73	749.17	310.99	213.40	207.07
09/02/02 8:00 AM	1,735.89	1,762.55	1,661.89	1,222.94	975.62	749.07	310.91	213.23	206.73
09/02/02 9:00 AM	1,744.46	1,770.98	1,663.79	1,223.62	977.50	748.96	311.39	213.89	207.85
09/02/02 10:00 AM	1,744.91	1,773.50	1,656.28	1,221.18	979.34	748.89	310.87	214.37	209.89
09/02/02 11:00 AM	1,734.35	1,763.01	1,638.03	1,213.51	980.79	748.94	312.27	216.20	213.49
09/02/02 12:00 PM	1,738.50	1,767.60	1,641.62	1,215.19	982.16	749.01	316.92	219.13	216.78
09/02/02 1:00 PM	1,742.65	1,772.18	1,645.22	1,216.90	983.54	749.07	315.33	217.73	214.92
09/02/02 2:00 PM	1,746.80	1,776.77	1,648.81	1,218.61	984.91	749.14	313.42	216.57	214.74
09/02/02 3:00 PM	1,750.95	1,781.35	1,652.41	1,220.32	986.28	749.21	313.19 <sup>o</sup>	216.91	214.94
09/02/02 4:00 PM	1,752.49	1,784.70	1,655.94	1,222.03	987.66	749.27	315.71	218.16	217.39
09/02/02 5:00 PM	1,749.16	1,784.88	1,657.36	1,223.74	989.03	749.34	318.27	219.30	218.28
09/02/02 6:00 PM	1,755.03	1,785.35	1,657.72	1,225.45	990.12	748.83	315.66	217.23	216.31
09/02/02 7:00 PM	1,762.34	1,788.05	1,658.09	1,225.95	989.15	745.82	315.66	216.74	215.20
09/02/02 8:00 PM	1,769.30	1,791.06	1,658.46	1,225.08	987.77	744.53	313.21	215.13	212.19
09/02/02 9:00 PM	1,770.55	1,795.33	1,658.82	1,224.22	986.17	742.39	315.07	215.69	213.08
09/02/02 10:00 PM	1,769.23	1,802.13	1,659.19	1,213.47	968.37	734.32	314.98	216.99	207.63
09/02/02 11:00 PM	1,767.45	1,808.65	1,659.56	1,208.72	963.59	737.71	308.02	213.34	201.93

Date	09/01/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
09/01/02 12:00 AM	725.41	1,003.46	1,914.04	24.10	1,004.21	447.40	438.99	409.69	1,656.00	1,704.25
09/01/02 1:00 AM	686.39	1,004.13	1,912.84	24.93	1,004.45	444.99	440.58	405.62	1,656.00	1,649.83
09/01/02 2:00 AM	703.41	1,004.02	1,914.47	24.44	1,004.84	444.61	442.06	410.68	1,656.00	1,648.91
09/01/02 3:00 AM	681.78	1,003.66	1,912.20	23.17	1,005.23	425.08	441.55	409.39	1,656.00	1,631.28
09/01/02 4:00 AM	696.21	1,004.12	1,907.68	22.57	1,005.62	424.20	440.31	406.23	1,656.00	1,633.06
09/01/02 5:00 AM	683.01	1,004.74	1,903.28	20.77	1,005.99	394.43	439.07	404.29	1,656.00	1,637.10
09/01/02 6:00 AM	681.23	1,003.99	1,902.33	23.85	1,005.56	393.11	437.84	403.39	1,656.00	1,653.20
09/01/02 7:00 AM	680.51	1,004.27	1,903.00	22.47	1,005.50	397.64	436.61	405.63	1,656.00	1,664.89
09/01/02 8:00 AM	686.17	1,004.05	1,903.67	22.44	1,005.48	399.87	436.20	407.45	1,656.00	1,650.31
09/01/02 9:00 AM	688.46	1,004.08	1,904.33	22.85	1,005.46	396.71	436.35	408.19	1,656.00	1,653.34
09/01/02 10:00 AM	692.52	1,004.22	1,905.00	22.67	1,005.44	397.84	436.49	408.91	1,656.00	1,656.56
09/01/02 11:00 AM	687.29	1,004.15	1,905.67	21.27	1,005.43	396.42	436.63	409.63	1,656.00	1,653.88
09/01/02 12:00 PM	684.21	1,003.77	1,906.34	21.42	1,005.41	390.83	436.77	410.33	1,656.00	1,661.09
09/01/02 1:00 PM	682.25	1,003.77	1,907.00	21.89	1,005.39	394.17	436.91	410.26	1,656.00	1,673.40
09/01/02 2:00 PM	678.32	1,003.90	1,907.47	22.35	1,004.98	394.91	437.05	409.70	1,656.00	1,676.84
09/01/02 3:00 PM	667.28	1,004.10	1,907.85	18.68	1,004.62	368.78	437.19	409.15	1,656.00	1,667.96
09/01/02 4:00 PM	618.65	1,004.07	1,908.23	21.64	1,006.31	364.13	437.45	408.60	1,656.00	1,662.41
09/01/02 5:00 PM	620.24	1,004.16	1,908.61	20.79	1,007.37	360.67	437.79	408.05	1,656.00	1,658.82
09/01/02 6:00 PM	619.89	1,003.81	1,909.00	20.85	1,008.10	361.77	438.12	407.34	1,656.00	1,657.38
09/01/02 7:00 PM	677.18	1,004.00	1,909.38	21.74	1,008.83	390.96	438.46	416.17	1,656.00	1,708.58
09/01/02 8:00 PM	692.49	1,003.97	1,909.76	24.10	1,009.55	420.43	438.79	422.39	1,656.00	1,690.46
09/01/02 9:00 PM	691.83	1,004.12	1,910.14	24.85	1,010.28	421.20	439.13	423.60	1,656.00	1,667.86
09/01/02 10:00 PM	689.38	1,004.00	1,910.45	21.59	1,010.88	397.06	439.46	423.33	1,656.00	1,645.41
09/01/02 11:00 PM	683.32	1,003.95	1,910.74	21.62	1,010.52	400.62	439.58	420.41	1,656.00	1,650.64

Date	09/01/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
09/01/02 12:00 AM	1,704.25	1,731.72	1,655.43	1,212.17	966.08	730.11	308.13	213.05	201.02
09/01/02 1:00 AM	1,649.83	1,674.53	1,654.39	1,210.10	967.00	733.04	308.37	213.93	197.07
09/01/02 2:00 AM	1,648.91	1,673.35	1,653.46	1,208.03	967.27	734.28	309.95	214.12	200.93
09/01/02 3:00 AM	1,631.28	1,661.06	1,652.57	1,205.96	967.55	732.08	308.68	213.47	198.56
09/01/02 4:00 AM	1,633.06	1,661.04	1,651.68	1,203.89	967.83	729.16	310.00	213.63	199.92
09/01/02 5:00 AM	1,637.10	1,663.65	1,650.79	1,201.84	968.10	726.23	307.99	212.52	198.58
09/01/02 6:00 AM	1,653.20	1,681.48	1,649.90	1,202.54	968.38	725.81	304.60	210.95	197.56
09/01/02 7:00 AM	1,664.89	1,694.93	1,648.98	1,205.08	968.89	727.90	304.17	211.03	196.43
09/01/02 8:00 AM	1,650.31	1,674.85	1,647.63	1,207.62	969.96	729.97	307.86	212.41	199.30
09/01/02 9:00 AM	1,653.34	1,690.12	1,646.14	1,210.02	971.06	730.47	308.53	213.33	202.41
09/01/02 10:00 AM	1,656.56	1,689.32	1,644.66	1,209.78	972.15	730.07	309.64	215.21	205.13
09/01/02 11:00 AM	1,653.88	1,684.25	1,643.17	1,208.52	973.25	729.67	312.11	217.52	207.51
09/01/02 12:00 PM	1,661.09	1,681.06	1,641.68	1,207.27	974.34	729.27	312.48	218.14	207.65
09/01/02 1:00 PM	1,673.40	1,707.14	1,640.19	1,206.01	975.44	728.86	308.48	216.98	205.55
09/01/02 2:00 PM	1,676.84	1,711.34	1,638.71	1,204.76	976.53	728.63	307.84	215.12	204.64
09/01/02 3:00 PM	1,667.96	1,702.57	1,635.29	1,203.51	976.23	729.22	307.65	214.54	204.50
09/01/02 4:00 PM	1,662.41	1,694.26	1,607.60	1,186.10	972.65	730.67	307.57	215.16	205.37
09/01/02 5:00 PM	1,658.82	1,687.70	1,603.34	1,186.47	972.55	734.58	307.93	214.14	202.71
09/01/02 6:00 PM	1,657.38	1,685.68	1,614.68	1,196.69	979.89	738.67	307.79	214.42	203.30
09/01/02 7:00 PM	1,708.58	1,736.13	1,626.02	1,207.34	984.20	743.16	309.77	214.00	208.54
09/01/02 8:00 PM	1,690.46	1,718.01	1,637.35	1,216.60	983.96	748.10	312.16	214.24	212.25
09/01/02 9:00 PM	1,667.86	1,708.12	1,648.69	1,216.51	983.68	749.44	311.42	214.09	209.56
09/01/02 10:00 PM	1,645.41	1,675.24	1,657.51	1,214.75	982.66	748.27	313.57	214.83	210.09
09/01/02 11:00 PM	1,650.64	1,676.33	1,658.25	1,212.98	977.13	744.21	309.77	212.88	205.73

Date	08/31/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
08/31/02 12:00 AM	744.03	1,004.05	1,913.85	24.74	1,006.29	455.27	440.93	408.77	1,656.00	1,766.35
08/31/02 1:00 AM	753.07	1,004.08	1,914.13	24.29	1,006.19	453.89	441.10	410.28	1,656.00	1,777.79
08/31/02 2:00 AM	748.57	1,004.21	1,914.42	24.12	1,005.99	450.37	441.26	411.79	1,656.00	1,780.02
08/31/02 3:00 AM	758.73	1,004.45	1,914.71	24.09	1,005.80	453.10	438.54	409.10	1,656.00	1,775.24
08/31/02 4:00 AM	758.32	1,003.93	1,914.99	23.30	1,005.61	452.34	436.49	406.51	1,656.00	1,770.46
08/31/02 5:00 AM	755.63	1,003.68	1,915.28	23.57	1,005.41	452.99	436.71	406.36	1,656.00	1,765.80
08/31/02 6:00 AM	755.83	1,003.65	1,915.58	23.86	1,005.22	453.68	436.92	406.65	1,656.00	1,767.97
08/31/02 7:00 AM	756.52	1,003.99	1,915.94	23.62	1,005.03	454.37	437.13	409.50	1,656.00	1,774.20
08/31/02 8:00 AM	757.03	1,004.27	1,916.32	22.85	1,004.84	454.55	437.34	412.76	1,656.00	1,777.02
08/31/02 9:00 AM	757.35	1,004.01	1,916.71	22.48	1,004.84	453.36	437.56	414.26	1,656.00	1,765.18
08/31/02 10:00 AM	753.18	1,003.78	1,917.09	23.76	1,004.91	453.64	437.75	414.14	1,656.00	1,774.95
08/31/02 11:00 AM	758.62	1,004.14	1,917.47	23.79	1,004.99	455.77	437.82	414.02	1,656.00	1,789.39
08/31/02 12:00 PM	777.47	1,004.16	1,917.85	23.81	1,005.06	458.56	437.87	413.93	1,656.00	1,786.01
08/31/02 1:00 PM	782.40	1,004.10	1,918.23	24.46	1,005.13	460.22	437.92	414.88	1,656.00	1,781.63
08/31/02 2:00 PM	777.89	1,003.89	1,918.55	24.97	1,005.21	461.81	437.97	416.32	1,656.00	1,777.73
08/31/02 3:00 PM	769.73	1,003.74	1,918.38	25.09	1,005.28	460.97	438.01	417.76	1,656.00	1,774.11
08/31/02 4:00 PM	769.05	1,003.84	1,918.09	24.62	1,005.35	458.89	438.06	419.19	1,656.00	1,770.49
08/31/02 5:00 PM	769.20	1,003.93	1,917.80	24.87	1,005.26	458.61	438.11	420.63	1,656.00	1,766.87
08/31/02 6:00 PM	774.48	1,004.14	1,917.52	24.56	1,005.11	459.24	438.11	422.07	1,656.00	1,764.19
08/31/02 7:00 PM	780.64	1,003.89	1,917.23	24.00	1,004.95	459.87	437.75	421.52	1,656.00	1,767.02
08/31/02 8:00 PM	779.70	1,004.12	1,916.95	24.73	1,004.80	460.33	437.33	419.62	1,656.00	1,766.27
08/31/02 9:00 PM	759.45	1,004.62	1,916.66	24.12	1,004.65	450.62	436.91	419.67	1,656.00	1,766.80
08/31/02 10:00 PM	757.51	1,003.90	1,916.29	24.38	1,004.50	451.17	436.52	415.74	1,656.00	1,770.57
08/31/02 11:00 PM	757.76	1,003.97	1,915.24	24.00	1,004.34	449.45	437.41	408.87	1,656.00	1,764.28

Date	08/31/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
08/31/02 12:00 AM	1,766.35	1,796.93	1,653.34	1,211.71	970.89	726.17	305.22	212.52	197.78
08/31/02 1:00 AM	1,777.79	1,809.37	1,654.89	1,211.30	971.74	729.41	306.62	213.16	198.74
08/31/02 2:00 AM	1,780.02	1,810.33	1,656.44	1,210.88	972.57	732.50	308.27	214.39	199.95
08/31/02 3:00 AM	1,775.24	1,802.98	1,657.99	1,205.36	961.30	700.50	310.75	215.80	201.28
08/31/02 4:00 AM	1,770.46	1,795.64	1,659.54	1,203.59	962.69	712.52	311.59	216.35	200.70
08/31/02 5:00 AM	1,765.80	1,790.53	1,661.09	1,205.05	964.16	717.10	311.47	215.99	201.12
08/31/02 6:00 AM	1,767.97	1,799.84	1,663.41	1,206.51	965.63	721.67	306.74	212.99	198.31
08/31/02 7:00 AM	1,774.20	1,811.73	1,666.78	1,207.97	967.10	726.24	306.16	212.13	198.22
08/31/02 8:00 AM	1,777.02	1,811.09	1,670.16	1,209.43	968.57	730.82	309.14	212.85	200.72
08/31/02 9:00 AM	1,765.18	1,793.75	1,673.53	1,210.89	970.04	735.38	312.64	214.55	202.64
08/31/02 10:00 AM	1,774.95	1,800.60	1,676.91	1,212.50	971.51	739.79	309.04	213.19	201.33
08/31/02 11:00 AM	1,789.39	1,809.89	1,680.29	1,215.26	972.90	744.11	307.28	212.12	199.90
08/31/02 12:00 PM	1,786.01	1,818.29	1,681.81	1,218.25	974.22	746.37	308.03	211.47	200.41
08/31/02 1:00 PM	1,781.63	1,818.39	1,678.77	1,221.25	975.55	746.48	308.64	211.40	201.55
08/31/02 2:00 PM	1,777.73	1,813.50	1,675.52	1,224.12	976.87	744.20	310.31	212.41	202.66
08/31/02 3:00 PM	1,774.11	1,806.22	1,672.26	1,224.61	978.19	740.28	308.62	212.60	202.38
08/31/02 4:00 PM	1,770.49	1,799.66	1,669.00	1,224.20	979.35	735.75	309.81	213.97	203.73
08/31/02 5:00 PM	1,766.87	1,797.39	1,665.75	1,223.80	979.08	733.06	309.14	213.90	204.54
08/31/02 6:00 PM	1,764.19	1,793.47	1,662.51	1,223.39	978.47	733.27	310.64	214.43	205.48
08/31/02 7:00 PM	1,767.02	1,786.41	1,660.61	1,222.46	977.86	740.02	313.43	215.84	208.04
08/31/02 8:00 PM	1,766.27	1,794.31	1,659.57	1,220.43	977.25	737.11	310.14	213.82	204.92
08/31/02 9:00 PM	1,766.80	1,792.14	1,658.53	1,218.37	976.64	727.01	312.20	214.45	205.43
08/31/02 10:00 PM	1,770.57	1,798.07	1,657.50	1,216.31	963.19	711.28	312.41	215.12	203.26
08/31/02 11:00 PM	1,764.28	1,794.55	1,656.46	1,214.24	963.32	727.00	308.40	213.59	201.14



Date	08/30/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMF1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
08/30/02 12:00 AM	50.07	301.63	1,865.88	-0.25	479.45	9.95	159.25	137.09	1,656.00	162.19
08/30/02 1:00 AM	46.94	296.27	1,865.45	-0.22	289.14	9.23	151.30	127.86	1,656.00	148.69
08/30/02 2:00 AM	48.00	283.93	1,864.98	-0.18	245.01	8.52	151.54	125.53	1,656.00	148.68
08/30/02 3:00 AM	49.12	260.97	1,864.50	-0.15	207.13	7.80	148.58	122.36	1,656.00	150.95
08/30/02 4:00 AM	47.35	239.47	1,864.02	-0.11	195.77	10.91	146.61	129.63	1,656.00	169.13
08/30/02 5:00 AM	46.83	260.39	1,863.55	-0.07	227.94	95.24	188.04	165.19	1,656.00	338.92
08/30/02 6:00 AM	49.26	299.93	1,863.07	-0.04	250.37	144.86	231.28	206.84	1,656.00	368.12
08/30/02 7:00 AM	50.45	369.94	1,862.59	0.01	288.62	79.49	246.29	217.38	1,656.00	456.65
08/30/02 8:00 AM	51.73	557.61	1,862.89	0.10	316.85	20.22	308.02	261.37	1,656.00	637.05
08/30/02 9:00 AM	45.68	723.86	1,865.96	0.19	315.74	14.43	372.88	311.82	1,656.00	821.42
08/30/02 10:00 AM	45.01	824.95	1,869.26	0.28	408.53	142.61	405.56	338.69	1,656.00	924.88
08/30/02 11:00 AM	41.57	899.78	1,872.57	0.36	745.62	260.82	421.84	348.44	1,656.00	989.76
08/30/02 12:00 PM	31.17	944.43	1,875.88	0.45	863.87	264.17	431.19	352.01	1,656.00	1,015.99
08/30/02 1:00 PM	136.89	940.76	1,879.18	0.60	943.89	288.89	434.28	356.26	1,656.00	1,101.90
08/30/02 2:00 PM	375.42	1,005.31	1,882.53	6.18	1,032.66	349.59	434.15	372.43	1,656.00	1,511.53
08/30/02 3:00 PM	576.52	1,023.39	1,886.26	14.30	1,036.55	403.70	432.31	387.85	1,656.00	1,732.62
08/30/02 4:00 PM	719.38	1,008.80	1,890.07	22.16	1,003.19	436.36	435.92	397.19	1,656.00	1,736.81
08/30/02 5:00 PM	737.02	1,005.04	1,893.89	24.28	1,005.38	443.22	438.18	403.52	1,656.00	1,759.79
08/30/02 6:00 PM	760.06	1,012.42	1,897.70	23.76	1,005.51	453.32	439.22	405.91	1,656.00	1,775.82
08/30/02 7:00 PM	762.25	1,003.27	1,901.52	24.86	1,005.64	457.70	440.06	406.43	1,656.00	1,766.05
08/30/02 8:00 PM	772.51	1,004.02	1,905.33	24.81	1,005.77	458.51	440.27	406.55	1,656.00	1,777.56
08/30/02 9:00 PM	774.52	1,004.22	1,909.14	23.27	1,005.90	453.56	440.43	406.68	1,656.00	1,778.63
08/30/02 10:00 PM	752.42	1,004.08	1,912.66	23.89	1,006.03	452.16	440.60	406.80	1,656.00	1,747.68
08/30/02 11:00 PM	744.39	1,003.56	1,913.56	24.52	1,006.17	453.96	440.77	407.30	1,656.00	1,754.87

Date	08/30/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
08/30/02 12:00 AM	162.19	171.96	209.97	194.70	195.44	181.20	58.10	55.01	44.67
08/30/02 1:00 AM	148.69	159.03	200.63	179.33	184.45	176.58	2.23	2.15	1.75
08/30/02 2:00 AM	148.68	146.14	191.30	173.67	173.45	171.34	10.93	10.63	8.62
08/30/02 3:00 AM	150.95	147.82	181.96	168.26	163.81	168.09	32.67	31.72	25.78
08/30/02 4:00 AM	169.13	168.09	208.88	192.78	183.53	178.29	23.50	22.59	18.99
08/30/02 5:00 AM	338.92	333.06	372.81	349.13	309.17	274.68	18.03	15.85	13.93
08/30/02 6:00 AM	368.12	369.27	404.85	386.95	369.24	323.26	93.56	76.92	68.40
08/30/02 7:00 AM	456.65	461.73	469.15	441.57	425.39	360.67	131.38	106.49	94.00
08/30/02 8:00 AM	637.05	652.27	609.96	584.29	552.93	461.18	191.24	146.73	128.94
08/30/02 9:00 AM	821.42	826.80	717.75	683.43	679.28	551.69	24.45	18.25	15.76
08/30/02 10:00 AM	924.88	917.80	791.89	759.68	755.66	602.58	0.00	0.00	0.00
08/30/02 11:00 AM	989.76	977.85	869.66	833.42	804.32	636.14	0.00	0.00	0.00
08/30/02 12:00 PM	1,015.99	1,006.25	932.48	881.82	842.28	648.05	19.63	14.12	11.80
08/30/02 1:00 PM	1,101.90	1,097.06	1,001.17	922.53	857.06	654.06	252.44	179.70	146.12
08/30/02 2:00 PM	1,511.53	1,525.34	1,256.42	1,044.89	881.63	654.32	294.71	206.65	177.99
08/30/02 3:00 PM	1,732.62	1,749.54	1,490.87	1,148.54	917.59	672.67	299.56	208.49	186.44
08/30/02 4:00 PM	1,736.81	1,764.27	1,594.84	1,192.37	949.00	694.04	307.94	211.63	193.42
08/30/02 5:00 PM	1,759.79	1,782.83	1,616.06	1,201.12	955.04	702.42	305.74	211.02	194.00
08/30/02 6:00 PM	1,775.82	1,801.43	1,627.62	1,205.60	960.63	710.66	306.26	211.53	194.84
08/30/02 7:00 PM	1,766.05	1,793.96	1,634.00	1,207.54	965.83	714.60	308.79	213.35	197.17
08/30/02 8:00 PM	1,777.56	1,805.09	1,640.03	1,209.44	967.51	716.55	307.20	213.16	197.38
08/30/02 9:00 PM	1,778.63	1,801.07	1,646.06	1,211.33	968.36	718.50	308.58	213.67	198.90
08/30/02 10:00 PM	1,747.68	1,783.65	1,650.22	1,212.49	969.20	720.45	311.79	215.43	200.05
08/30/02 11:00 PM	1,754.87	1,784.58	1,651.79	1,212.12	970.05	722.93	307.14	213.48	198.15

Date	08/29/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
08/29/02 12:00 AM	23.51	172.38	1,864.42	-0.02	126.50	95.85	88.67	94.74	1,656.00	98.85
08/29/02 1:00 AM	23.93	171.06	1,864.04	-0.03	161.62	26.70	87.76	94.02	1,656.00	98.32
08/29/02 2:00 AM	23.69	170.07	1,863.66	-0.03	150.63	17.89	87.66	94.74	1,656.00	97.79
08/29/02 3:00 AM	23.42	166.81	1,863.28	-0.04	144.85	17.55	87.67	95.79	1,656.00	97.26
08/29/02 4:00 AM	23.35	138.51	1,862.90	-0.04	142.87	17.22	87.67	96.84	1,656.00	96.73
08/29/02 5:00 AM	23.63	144.88	1,862.52	-0.05	140.89	16.88	87.68	97.89	1,656.00	96.20
08/29/02 6:00 AM	23.07	150.02	1,862.14	-0.05	138.92	16.54	87.68	98.94	1,656.00	97.45
08/29/02 7:00 AM	22.29	152.75	1,861.75	-0.06	136.94	16.21	87.69	99.00	1,656.00	101.90
08/29/02 8:00 AM	23.70	154.51	1,861.48	-0.05	134.96	15.87	87.70	98.02	1,656.00	106.42
08/29/02 9:00 AM	24.16	154.06	1,861.64	-0.05	132.99	15.91	89.46	97.04	1,656.00	110.94
08/29/02 10:00 AM	24.34	153.67	1,861.83	-0.04	133.92	18.73	99.16	96.07	1,656.00	115.46
08/29/02 11:00 AM	24.80	154.02	1,862.02	-0.04	137.15	22.11	117.77	111.27	1,656.00	120.85
08/29/02 12:00 PM	25.25	229.10	1,862.21	-0.04	173.59	61.81	164.23	148.46	1,656.00	521.61
08/29/02 1:00 PM	25.17	306.51	1,862.40	-0.03	257.72	134.30	229.16	201.86	1,656.00	517.11
08/29/02 2:00 PM	26.83	528.29	1,862.59	-0.03	322.22	22.82	293.44	252.73	1,656.00	582.96
08/29/02 3:00 PM	27.27	688.78	1,862.78	-0.03	319.17	19.32	366.90	304.97	1,656.00	742.49
08/29/02 4:00 PM	27.35	744.23	1,863.01	-0.07	558.01	259.54	392.75	328.13	1,656.00	767.85
08/29/02 5:00 PM	35.25	683.95	1,863.38	-0.10	640.31	267.17	384.02	330.06	1,656.00	565.59
08/29/02 6:00 PM	41.80	498.99	1,863.76	-0.14	589.33	256.56	347.48	305.06	1,656.00	362.88
08/29/02 7:00 PM	42.89	407.41	1,864.14	-0.17	560.69	196.84	328.58	230.93	1,656.00	298.27
08/29/02 8:00 PM	45.24	350.10	1,864.52	-0.20	539.14	87.96	273.22	172.47	1,656.00	236.23
08/29/02 9:00 PM	46.80	314.09	1,864.91	-0.24	526.15	41.13	224.81	167.27	1,656.00	209.36
08/29/02 10:00 PM	48.54	295.50	1,865.29	-0.27	513.26	21.51	184.69	156.01	1,656.00	193.64
08/29/02 11:00 PM	49.42	301.44	1,865.67	-0.28	500.36	10.68	177.82	149.54	1,656.00	177.92

Date	08/29/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
08/29/02 12:00 AM	98.85	97.30	121.05	99.46	99.45	93.49	0.00	0.00	0.00
08/29/02 1:00 AM	98.32	96.37	119.17	103.41	98.92	94.76	0.00	0.00	0.00
08/29/02 2:00 AM	97.79	96.66	117.30	107.65	99.02	96.77	0.00	0.00	0.00
08/29/02 3:00 AM	97.26	96.94	115.48	120.70	99.76	98.78	0.00	0.00	0.00
08/29/02 4:00 AM	96.73	97.23	115.52	123.12	100.50	101.35	0.00	0.00	0.00
08/29/02 5:00 AM	96.20	97.51	116.39	118.41	101.24	105.85	0.00	0.00	0.00
08/29/02 6:00 AM	97.45	97.80	117.27	113.69	101.97	101.93	0.00	0.00	0.00
08/29/02 7:00 AM	101.90	98.08	118.14	108.98	102.71	97.91	0.00	0.00	0.00
08/29/02 8:00 AM	106.42	98.53	119.01	104.34	103.45	98.89	0.00	0.00	0.00
08/29/02 9:00 AM	110.94	103.82	119.89	107.56	104.19	103.19	0.00	0.00	0.00
08/29/02 10:00 AM	115.46	111.37	120.76	116.08	110.47	107.49	0.00	0.00	0.00
08/29/02 11:00 AM	120.85	118.92	191.30	172.42	153.56	138.75	0.00	0.00	0.00
08/29/02 12:00 PM	521.61	530.46	342.01	304.38	270.33	232.21	0.00	0.00	0.00
08/29/02 1:00 PM	517.11	619.59	471.08	435.83	392.08	330.89	0.00	0.00	0.00
08/29/02 2:00 PM	582.96	683.94	607.10	575.22	527.41	430.85	0.00	0.00	0.00
08/29/02 3:00 PM	742.49	757.26	699.39	673.42	641.35	522.58	0.00	0.00	0.00
08/29/02 4:00 PM	767.85	775.10	722.91	688.69	671.08	548.00	0.00	0.00	0.00
08/29/02 5:00 PM	565.59	583.17	597.00	587.21	613.85	518.11	0.00	0.00	0.00
08/29/02 6:00 PM	362.88	367.29	442.12	430.90	464.14	433.09	0.00	0.00	0.00
08/29/02 7:00 PM	298.27	298.59	377.84	368.68	381.03	365.00	0.00	0.00	0.00
08/29/02 8:00 PM	236.23	234.10	332.57	317.81	321.67	283.27	0.00	0.00	0.00
08/29/02 9:00 PM	209.36	210.75	287.30	267.17	269.06	257.02	8.88	7.77	5.96
08/29/02 10:00 PM	193.64	197.82	242.32	235.19	237.91	217.07	33.86	30.52	25.05
08/29/02 11:00 PM	177.92	184.89	219.31	214.94	209.88	209.80	49.81	45.89	37.81

Date	08/28/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
08/28/02 12:00 AM	231.22	963.52	1,871.28	8.88	864.60	324.45	445.05	408.86	1,656.00	1,025.39
08/28/02 1:00 AM	17.70	805.88	1,862.61	-0.37	392.52	163.89	450.53	408.21	1,656.00	530.73
08/28/02 2:00 AM	21.23	512.88	1,862.99	-0.32	348.09	120.02	390.63	361.39	1,656.00	442.77
08/28/02 3:00 AM	21.38	383.18	1,863.37	-0.26	338.16	113.92	320.24	296.70	1,656.00	356.07
08/28/02 4:00 AM	21.11	313.19	1,863.75	-0.21	311.87	71.24	260.40	241.24	1,656.00	298.56
08/28/02 5:00 AM	20.88	267.51	1,864.14	-0.15	282.31	45.77	221.81	212.46	1,656.00	253.31
08/28/02 6:00 AM	21.56	256.06	1,864.52	-0.10	252.74	28.82	198.80	193.33	1,656.00	215.88
08/28/02 7:00 AM	22.31	224.81	1,864.90	-0.05	230.37	17.59	184.15	175.23	1,656.00	203.31
08/28/02 8:00 AM	23.15	213.84	1,865.25	-0.05	218.99	16.77	169.50	165.10	1,656.00	192.58
08/28/02 9:00 AM	23.10	211.73	1,865.45	-0.04	208.30	16.17	156.59	156.65	1,656.00	181.86
08/28/02 10:00 AM	23.71	211.64	1,865.64	-0.04	203.73	15.56	147.53	148.20	1,656.00	171.13
08/28/02 11:00 AM	24.03	211.99	1,865.83	-0.04	198.73	15.00	139.14	139.75	1,656.00	160.41
08/28/02 12:00 PM	23.87	211.85	1,866.02	-0.04	176.26	19.07	132.48	131.67	1,656.00	149.68
08/28/02 1:00 PM	23.88	210.65	1,866.21	-0.04	166.55	26.28	125.96	126.65	1,656.00	138.95
08/28/02 2:00 PM	23.76	210.06	1,866.40	-0.04	157.30	33.05	119.39	122.31	1,656.00	129.81
08/28/02 3:00 PM	23.93	206.69	1,866.59	-0.04	155.47	15.93	111.81	117.97	1,656.00	125.67
08/28/02 4:00 PM	23.52	207.02	1,866.69	-0.03	141.15	19.98	103.83	113.63	1,656.00	121.91
08/28/02 5:00 PM	23.17	206.16	1,866.44	-0.03	134.21	35.39	96.89	109.29	1,656.00	118.15
08/28/02 6:00 PM	23.45	197.36	1,866.15	-0.03	134.87	13.97	95.11	104.95	1,656.00	114.39
08/28/02 7:00 PM	23.06	189.84	1,865.87	-0.02	130.93	17.14	94.03	100.62	1,656.00	110.63
08/28/02 8:00 PM	22.90	183.00	1,865.58	-0.02	126.16	20.31	92.96	98.30	1,656.00	106.87
08/28/02 9:00 PM	23.06	178.03	1,865.29	-0.02	123.57	77.35	91.89	97.41	1,656.00	103.11
08/28/02 10:00 PM	22.39	174.58	1,865.01	-0.02	123.30	124.07	90.82	96.52	1,656.00	100.09
08/28/02 11:00 PM	22.53	173.44	1,864.72	-0.01	123.04	122.76	89.75	95.63	1,656.00	99.38

Date	08/28/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
08/28/02 12:00 AM	1,025.39	1,048.97	1,221.17	910.85	822.28	683.02	113.29	75.59	75.07
08/28/02 1:00 AM	530.73	514.22	787.83	627.46	634.10	627.78	0.00	0.00	0.00
08/28/02 2:00 AM	442.77	434.87	640.82	497.64	486.11	508.72	0.00	0.00	0.00
08/28/02 3:00 AM	356.07	357.17	509.97	377.40	362.60	374.98	0.00	0.00	0.00
08/28/02 4:00 AM	298.56	287.61	426.69	298.97	299.71	294.60	0.00	0.00	0.00
08/28/02 5:00 AM	253.31	259.04	355.28	272.30	273.15	266.23	0.00	0.00	0.00
08/28/02 6:00 AM	215.88	236.14	296.67	248.33	246.58	234.68	0.00	0.00	0.00
08/28/02 7:00 AM	203.31	213.24	271.14	224.36	220.02	213.05	0.00	0.00	0.00
08/28/02 8:00 AM	192.58	190.36	247.28	200.39	198.62	196.96	0.00	0.00	0.00
08/28/02 9:00 AM	181.86	175.53	223.43	184.20	186.10	181.67	0.00	0.00	0.00
08/28/02 10:00 AM	171.13	167.47	199.58	174.82	173.73	170.49	0.00	0.00	0.00
08/28/02 11:00 AM	160.41	159.40	176.18	165.44	161.35	159.89	0.00	0.00	0.00
08/28/02 12:00 PM	149.68	151.34	165.48	156.05	148.98	149.28	0.00	0.00	0.00
08/28/02 1:00 PM	138.95	143.27	160.60	146.67	136.55	136.24	0.00	0.00	0.00
08/28/02 2:00 PM	129.81	135.21	155.71	137.29	122.48	116.57	0.00	0.00	0.00
08/28/02 3:00 PM	125.67	127.14	150.83	127.91	115.20	110.22	0.00	0.00	0.00
08/28/02 4:00 PM	121.91	119.08	145.95	120.21	112.13	104.57	0.00	0.00	0.00
08/28/02 5:00 PM	118.15	114.11	141.06	117.15	109.07	101.82	0.00	0.00	0.00
08/28/02 6:00 PM	114.39	111.71	136.18	114.37	106.00	99.38	0.00	0.00	0.00
08/28/02 7:00 PM	110.63	109.31	131.36	111.59	102.97	96.94	0.00	0.00	0.00
08/28/02 8:00 PM	106.87	106.91	128.57	108.80	101.55	94.63	0.00	0.00	0.00
08/28/02 9:00 PM	103.11	104.50	126.69	106.02	101.03	92.44	0.00	0.00	0.00
08/28/02 10:00 PM	100.09	102.10	124.81	103.23	100.50	92.01	0.00	0.00	0.00
08/28/02 11:00 PM	99.38	99.70	122.93	100.45	99.97	92.75	0.00	0.00	0.00

Date	08/27/02 00:00:00									
Hour	MS Flow	MS Temperature	MS Pressure	RH Flow	RH Temperature	RH Pressure	PA Temperature	SA Temperature	Bed Temperature	Combustor Lower Temperature
	KLBS/HR	DEG F	PSIG	KLBS/HR	DEG F	PSIG	DEG F	DEG F	DEG F	DEG F
	MSTMFX1C	SGGT3001	SGGP3002	SGJF3001	SGJT3001	SGJP3002	SGBT3125	SGBT3019	BDTPSP1C	SGAT3609
08/27/02 12:00 AM	738.21	1,004.37	1,916.87	24.39	1,005.14	443.28	440.79	416.46	1,656.00	1,754.99
08/27/02 1:00 AM	737.55	1,003.98	1,916.37	24.56	1,004.94	440.99	440.97	416.04	1,656.00	1,756.69
08/27/02 2:00 AM	740.41	1,003.83	1,915.60	25.03	1,005.04	441.14	440.13	415.61	1,656.00	1,755.36
08/27/02 3:00 AM	708.19	1,003.64	1,914.96	23.58	1,007.69	423.18	437.59	414.74	1,656.00	1,749.40
08/27/02 4:00 AM	439.81	996.79	1,900.63	13.23	1,022.65	237.28	418.85	401.72	1,656.00	1,649.38
08/27/02 5:00 AM	407.42	993.05	1,888.18	11.71	1,031.26	210.37	406.79	391.95	1,656.00	1,628.19
08/27/02 6:00 AM	510.51	999.07	1,892.18	16.29	1,023.49	284.06	411.89	395.07	1,656.00	1,659.61
08/27/02 7:00 AM	741.68	1,004.17	1,897.93	25.40	1,035.09	447.63	439.89	422.90	1,656.00	1,733.39
08/27/02 8:00 AM	743.45	1,004.89	1,903.69	25.36	1,039.29	452.63	444.04	429.62	1,656.00	1,738.64
08/27/02 9:00 AM	744.40	1,003.85	1,909.45	23.58	1,000.92	454.13	445.16	428.87	1,656.00	1,736.02
08/27/02 10:00 AM	747.17	1,004.51	1,914.70	24.80	1,005.05	454.18	445.05	428.57	1,656.00	1,733.40
08/27/02 11:00 AM	750.25	1,003.77	1,915.86	25.08	1,005.29	454.72	444.88	429.11	1,656.00	1,730.78
08/27/02 12:00 PM	764.51	1,004.35	1,916.14	25.39	1,005.52	456.51	444.72	429.57	1,656.00	1,728.61
08/27/02 1:00 PM	773.10	1,004.16	1,916.43	24.95	1,005.76	458.75	444.59	429.54	1,656.00	1,729.05
08/27/02 2:00 PM	764.85	1,004.26	1,916.72	24.70	1,006.00	458.65	444.47	429.43	1,656.00	1,728.06
08/27/02 3:00 PM	759.06	1,003.86	1,917.00	25.08	1,006.23	457.61	444.34	429.73	1,656.00	1,726.68
08/27/02 4:00 PM	760.68	1,004.28	1,917.29	24.61	1,006.47	456.55	444.21	431.37	1,656.00	1,725.31
08/27/02 5:00 PM	753.65	1,003.76	1,917.58	24.86	1,006.69	455.50	444.09	431.08	1,656.00	1,725.47
08/27/02 6:00 PM	766.35	1,003.93	1,917.73	24.99	1,006.23	458.10	444.27	429.55	1,656.00	1,738.05
08/27/02 7:00 PM	762.40	1,004.30	1,916.89	24.64	1,005.43	461.38	445.09	428.61	1,656.00	1,748.91
08/27/02 8:00 PM	752.06	1,004.32	1,904.22	24.75	1,004.62	460.57	445.93	428.58	1,656.00	1,756.90
08/27/02 9:00 PM	726.30	1,004.04	1,901.74	24.54	1,003.81	450.80	446.77	428.56	1,656.00	1,737.46
08/27/02 10:00 PM	726.62	1,004.31	1,899.59	24.21	1,003.01	449.68	447.61	428.54	1,656.00	1,726.85
08/27/02 11:00 PM	728.55	1,004.07	1,897.44	23.67	1,002.20	449.30	448.32	428.58	1,656.00	1,717.71

Date	08/27/02 00:00:00								
Hour	Combustor Middle Temperature	Combustor Upper Temperature	Cyclone Outlet Temperature	RHII Outlet Gas Temperature	Economizer Inlet Gas Temperature	Economizer Outlet Gas Temperature	Baghouse Inlet Temperature	PA Air Heater Cold End Temperature	SA Air Heater Cold End Temperature
	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F
	SGAT3609	SGAT3612	SGAT3627	SGAT3637	SGAT3639	SGAT3640	EMP	AHT:U3_PAETAVG	AHT:U3_SAETAVG
08/27/02 12:00 AM	1,754.99	1,788.17	1,644.38	1,211.39	977.97	729.28	313.01	214.90	209.61
08/27/02 1:00 AM	1,756.69	1,789.47	1,643.67	1,209.67	977.41	728.50	312.09	214.58	209.36
08/27/02 2:00 AM	1,755.36	1,790.01	1,642.96	1,207.94	976.86	727.72	308.53	212.78	207.60
08/27/02 3:00 AM	1,749.40	1,788.46	1,635.75	1,197.68	972.43	722.45	307.19	211.60	206.18
08/27/02 4:00 AM	1,649.38	1,685.68	1,510.75	1,105.40	923.35	672.81	285.56	201.85	193.24
08/27/02 5:00 AM	1,628.19	1,659.86	1,486.68	1,099.68	918.98	660.93	277.19	196.95	191.13
08/27/02 6:00 AM	1,659.61	1,700.62	1,519.14	1,144.40	941.40	677.36	281.41	198.30	194.84
08/27/02 7:00 AM	1,733.39	1,770.00	1,625.12	1,224.28	993.20	736.15	311.52	213.55	210.87
08/27/02 8:00 AM	1,738.64	1,773.00	1,636.04	1,221.32	990.26	738.43	314.78	215.77	211.45
08/27/02 9:00 AM	1,736.02	1,768.68	1,638.93	1,214.13	982.62	735.52	314.24	215.22	211.33
08/27/02 10:00 AM	1,733.40	1,764.35	1,641.83	1,208.67	979.26	733.01	319.16	218.61	215.01
08/27/02 11:00 AM	1,730.78	1,760.03	1,644.72	1,208.71	978.11	732.53	320.58	220.29	217.43
08/27/02 12:00 PM	1,728.61	1,756.01	1,647.61	1,209.15	976.97	732.36	318.67	219.50	215.95
08/27/02 1:00 PM	1,729.05	1,754.31	1,650.50	1,209.60	975.83	732.19	320.33	220.58	217.55
08/27/02 2:00 PM	1,728.06	1,754.50	1,653.39	1,210.04	974.69	731.93	322.43	221.75	218.10
08/27/02 3:00 PM	1,726.68	1,755.06	1,655.71	1,210.49	973.55	730.55	321.28	221.36	217.46
08/27/02 4:00 PM	1,725.31	1,755.76	1,655.34	1,210.93	972.41	730.59	324.11	222.40	219.78
08/27/02 5:00 PM	1,725.47	1,757.01	1,654.95	1,211.38	971.30	729.96	323.12	220.69	218.14
08/27/02 6:00 PM	1,738.05	1,764.58	1,659.12	1,211.62	971.14	729.11	318.94	217.88	214.95
08/27/02 7:00 PM	1,748.91	1,772.13	1,664.79	1,211.29	971.44	730.04	321.20	218.94	216.93
08/27/02 8:00 PM	1,756.90	1,769.55	1,670.46	1,210.93	971.73	732.20	320.18	215.44	212.44
08/27/02 9:00 PM	1,737.46	1,765.44	1,672.28	1,210.56	972.02	731.70	317.70	212.56	212.15
08/27/02 10:00 PM	1,726.85	1,761.27	1,669.95	1,210.20	972.32	730.01	318.34	212.44	214.14
08/27/02 11:00 PM	1,717.71	1,750.10	1,667.62	1,209.83	972.61	734.81	320.56	213.70	213.62