Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

October 9, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Richard Breitmoser, Director
Environmental Health and Safety
St. Johns River Power Park
11202 New Berlin Road
Jacksonville, Florida 32226

Dear Mr. Breitmoser:

Re: Modification of PSD-FL-010 and PA 81-13, Petcoke Project
St. Johns River Power Park Units 1 & 2

Thank you for your prompt submittal of the report on the performance tests recently conducted at St. Johns River Power Park (SJRPP) Unit 1 while burning blends of coal and petroleum coke (petcoke). We are reviewing the report, but wanted to advise you as soon as possible of some items which will need to be addressed before we can modify your PSD permit and Site Certification to burn petcoke in SJRPP Units 1 and 2.

Any requests to change Site Certification PA 81-13 must be made through the Power Plant Siting Office. Please contact Mr. Buck Oven, P.E., at (904)487-0472 regarding the procedures and fees, if any, required to process the request.

The Bureau of Air Regulation can process your request to change the PSD permit simultaneously with the Certification request. It will be necessary to submit an application (through the Siting Office) on DEP form No. 62-210.900(1) (Long Form) unless you are able to show that there will be no increases in actual emissions due to firing of petcoke. According to the applicable rules, it is not enough to show that the units will continue to comply with their present emission limits.

A key item in our Test Authorization letter of March 30, 1995 is the second paragraph of page 2 about "screening to determine if this change results in a modification and to determine PSD applicability, etc." Condition 8 on page 4 indicates that for "PSD, NAA, and modification assessment purposes, the actual pollutant emissions results from the petcoke-coal blend performance tests shall be compared with the actual pollutant emission results from the baseline performance tests when firing coal only."

Your letter refers to Attachment E as compliance with Condition 8. It appears that from the data given therein, you will be able to make these comparisons. They must be made between estimates of historical actual emissions before the petcoke project and estimates of future actual emissions after implementation of the petcoke project.

Actual emissions prior to the petcoke project should be calculated based on annual estimates of emissions prior to the project and on actual hours of operation, actual fuel combusted, capacity factors, etc. Estimates of SO_2 and NO_x can be based upon historical CEMS data. In the case of pollutants other than SO_2 and NO_x, actual emissions reflecting past operation, should be based on past (or new) compliance tests, applicable inferences from the petcoke baseline tests, engineering estimates, etc. Baseline data should be used only to supplement (not replace) existing data representative of operation during previous years.

Actual emissions (representative actual annual emissions) following the proposed change should be projected in accordance with the definitions given in FAC 62-212.200(2)(d) and 40 CFR 52.21(b)(33). Actual emissions after the change should be estimated from information and inferences derived from the petcoke blend tests, projections of future electrical production, engineering estimates, etc.

A comparison of emissions estimates before and after the petcoke project must be made to determine if there will be any significant increases in emissions with respect to the values given in Table 212.400-2, from Chapter 62-212, Florida Administrative Code (F.A.C.). Based on Attachment E-3, there were ten-fold or greater increases in Carbon Monoxide (CO) emissions when firing petcoke, which are very likely significant if calculated on an annual basis and compared with the Significant Emission Rate of 100 tons per year (TPY) given in the referenced table. There was also a 50-100 percent (%) increase in sulfuric acid mist (SO_3) emissions which may exceed the 7 TPY significance value.

If the proposed modification triggers the Significant Emissions Rates in Table 212.400-2, it will be necessary to conduct a PSD review and, possibly, make a BACT determination for the significant pollutants. We recommend that SJRPP begin to prepare some strategies and basic cost data to control any pollutants which increase as a result of the petcoke project.

Z 127 632 535

Receipt for Certified Mail

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(See Reverse)

Sent to: Richard Breitmeier
Street and No. St. Johns River Power Park
P.O., State and ZIP Code: Jax, Fl

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Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	10-10-95

PSD-FL-010
PA 81-13
Units 142

PS Form 3800, March 1993

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Top of envelope to the right of the return address.

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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1. ☐ Addressee's Address
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3. Article Addressed to:
Richard Breitmeier
St. Johns River Power Park
11202 New Berlin Rd
Jacksonville, Fl 32226

4a. Article Number: Z 127 632 535

4b. Service Type
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☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Signature (Addressee)
J Crawley

6. Signature (Agent)

7. Date of Delivery: 10-13-95

8. Addressee's Address (Only if requested and fee is paid)
11201

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PS Form 3811, December 1991 ☆U.S. GPO: 1993—352-714 **DOMESTIC RETURN RECEIPT**

CERTIFIED MAIL

st. johns river POWER PARK

SJRO LC 95 483

RECEIVED
OCT 9 1995
Bureau of
Air Regulation

October 2, 1995

DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 0 6 1995
SITING COORDINATION

Mr. Hamilton Oven
Adm. of Power Plant Siting
Florida Dept. of Environmental Protection
3900 Commonwealth Blvd.
Tallahassee, Florida 32399-2400

RE: St. Johns River Power Park Unit 1
Site Certification No. PA 81-13
Petroleum Coke/Coal Test Burn Final Report

Dear Mr. Oven:

The above referenced facility was authorized by the Florida Department of Environmental Protection's (FDEP) March 30, 1995 letter to test burn a blend of petroleum coke with coal. The test burn was performed August 8 - 19, 1995. Condition #1 of the FDEP authorization letter specifies that a written test report be submitted within 45 days upon completion of the last test run. Please find enclosed the test report with supporting documentation.

The results of the baseline and blend testing indicate that a blend of 80% coal and 20% petroleum coke can be burned successfully at SJRPP. Please note that SJRPP Units 1 and 2 are identical in design and are both required to comply with the limitations set forth in the Conditions of Certification. Based on the successful test of Unit 1 depicted in the enclosed test report, SJRPP requests that the Conditions of Certification be modified to burn petroleum coke in Units 1 & 2.

Condition #14 of the Certification states "Coal fired in Units 1 & 2 shall have an ash content not to exceed 18% and a sulfur content not to exceed 4% by weight." Condition #6 of the Letter of Authorization states "The maximum sulfur content of the coal shall not exceed 1.50%, by weight, during the baseline tests and the petroleum coke-coal blend tests. The maximum sulfur content of the petroleum coke shall not exceed 4%, by weight, which is the permitted value of the coal sulfur content at the facility."

We look forward to receiving your application and are prepared to discuss these matters with you at your convenience. If you have any questions, please call Syed Arif at (904)488-1344.

Sincerely,

A. A. Linero, P.E.
Administrator,
New Source Review Section

AAL/aal/1

cc: J. Harper EPA
P. Bunyak NPS
C. Fancy DEP
B. Oven DEP
J. Braswell DEP
C. Kirts, NED
S. Pace, RESD

The sulfur content of the coal and petroleum coke were below 1.5% and 4.0% respectively during the baseline and blend testing. In order to remain consistent with the Conditions of Certification as well as derive the most beneficial usage of a coal/petroleum coke fuel, SJRPP requests that the Conditions of Certification Condition #14 be modified to reflect that the sulfur content of the coal/petroleum coke blend not exceed 4%.

Please contact Jay Worley at (904)751-7729 if you have any question or require any additional information regarding this report and request for modification.

Sincerely,

Richard Breitmoser
Director Environmental, Health & Safety

RB/JAW/sj

xc: J. Worley (SJRPP)

ST. JOHNS RIVER POWER PARK UNIT 1

PETROLEUM COKE/COAL TEST BURN

BACKGROUND

St. Johns River Power Park (SJRPP) investigated the feasibility of fueling the facility with a blend of bituminous coal and petroleum coke. SJRPP submitted a request to the Florida Department of Environmental Protection (FDEP) on December 20, 1994 to conduct a test burn of petroleum coke/bituminous coal. The FDEP's authorization letter dated March 30 ,1995 approved the test burn in accordance with conditions as specified in the letter (Attachment A) The conditions specified notifications and coal baseline and petroleum coke/coal blend operational requirements, data collection and air emissions testing with fuel sampling and analyses. In addition, SJRPP collected in-house unit data to record and review operational performance.

DISCUSSION

The petroleum coke was received at SJRPP on July 15, 1995. FDEP baseline testing was conducted from July 18 - 20, 1995. Baseline testing was delayed due to pulverizer mechanical repairs. Upon repair, the final baseline test was conducted on August 8, 1995.

The petroleum coke/bituminous coal blend was introduced August 9, 1995 to commence the loading process to achieve the steady state operation of an 80% bituminous coal / 20% petroleum coke blend. SJRPP Unit 1 achieved a steady state 80/20 blend on August 11, 1995 in conjunction with the commencement of the FDEP blend testing.

The 80/20 blend was steady state through August 15, 1995. A new blend of approximately 87/13 and 83/17 was introduced on August 16 and 17, 1995, respectively, to assess the on-site bituminous coal supply. On August 18, 1995 an 80/20 blend was returned to the unit for the remainder of the test burn. By the morning of August 20, 1995, the supply of petroleum coke had been completely consumed.

RESULTS - Results of conditions set forth in FDEP's Letter of Authorization.

The following corresponds to the numbered Conditions 1 - 21 of the FDEP's Letter of Authorization (Attachment A).

Condition 1: 1) Please refer to Attachment B for the written notification of commencement. 2)This report submittal and attachments serve as the written test result report which has been submitted within 45 days upon completion of the final test run (8-19-95).

Condition 2: The petroleum coke - coal blend performance tests were not conducted for more than 21 days. The blend tests commenced August 11, 1995 and were completed August 19, 1995 (9 days). An 80/20 blend steady state operation was established within 2 days of introduction of the blend. No problems were encountered that prevented steady state operation. The petroleum coke was first introduced into SJRPP's Unit 1 on August 9, 1995 and was completely consumed by the morning of August 20, 1995 (11.5 days).

Condition 3: Please refer to Attachment C.

Condition 4: Please refer to Attachment C.

Condition 5: The petroleum coke and coal were fed into the reclaim hoppers located in the SJRPP coal yard (one hopper receiving petroleum coke and the other receiving coal). The belt feeders at the bottom of the hoppers each deliver fuel to the loading conveyor. The belt feeders were scale tested and adjusted prior to the test to operate at 80% and 20% of the conveyor's normal capacity of 1,600 tons/hour. A consistent 80/20 blend was accomplished by having both feeders operating simultaneously during this test.

Condition 6: Please refer to Attachment D for the baseline coal and petroleum coke as-received analytical results.

Condition 7: Please refer to Attachment E for the 1)Continuous Emissions Monitoring Systems (CEMS) data, 2)CEMS Quality Assurance data - most recent relative accuracy test audit and cylinder gas/linearity audit and 3)stack test results for particulate matter, carbon monoxide and sulfuric acid mist.

Condition 8: Please refer to Attachment E for the baseline and blend pollutant emissions results.

Condition 9: Please refer to Attachment F.

Condition 10: The test burn was completed within the specified time frame.

Condition 11: Please refer to Attachment G for the boiler operations and control equipment data.

Condition 12: Please contact Duval County's R&ESD office.

Condition 13: Complete documentation shall be kept on file for a minimum of five years.

Condition 14: There was no release of objectional odors.

Condition 15: Performance testing was conducted in accordance to these conditions and testing was not required to cease.

Condition 16: Please refer to the Total Source Analysis, Inc. final baseline and blend test reports in Attachment E for the signature and stamp of the Florida Professional Engineer.

Condition 17: Please refer to Attachment H.

Condition 18: Please refer to Attachment I.

Condition 19: SJRPP Unit 1 was operating at permitted capacity during the emissions testing. Please refer to Attachment G for boiler operational data.

Condition 20: Please refer to Attachment J.

Condition 21: Please refer to Attachment A.

CONCLUSIONS

The results of the baseline and blend testing indicate that a blend of 80% coal and 20% petroleum coke can be burned successfully at SJRPP. There was not observed adverse effects on equipment or operational activities. The pollutant emissions testing and CEMS data resulted in no increases above the permitted limitations.

ATTACHMENT A

FLORIDA

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

March 30, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Richard Breitmoser, P.E.
Division Chief
Environmental Affairs Division
St. Johns River Power Park
11201 New Berlin Road
Jacksonville, Florida 32226

Dear Mr. Breitmoser:

Re: Request to Conduct Tests for Pollutant Emissions While Firing a Blend of Petroleum Coke and Bituminous Coal in the St. Johns River Power Park (SJRPP) Unit #1; Site Certification No. PA 81-13; and, Amendment to the Federal Permit No. PSD-FL-010(A)

The Department has reviewed the request that you provided in a letter on December 20, 1994, and supplementary material on February 7, 1995, via the FAX. We have also considered the Department's legal authority to allow SJRPP to conduct the performance tests on Unit #1. Paragraph 403.061(15), Florida Statutes (F.S.), authorizes the Department to consult with any person proposing to construct, install, or otherwise acquire a pollution control device or system concerning the efficacy of such device or system, or the pollution problem which may be related to the source, device, or system. Paragraph 403.061(16), F.S., authorizes the Department to encourage voluntary cooperation by persons in order to achieve the purposes of the state environmental control act. Paragraph 403.061(18), F.S., authorizes the Department to encourage and conduct studies, investigations, and research relating to the causes and control of pollution. Rule 62-210.700(5), Florida Administrative Code (F.A.C.), authorizes the Department to consider variations in industrial equipment and make allowances for excess emissions that provide practical regulatory controls consistent with the public interest.

In accordance with the provisions of Paragraphs 403.061(15), (16), (18), and 403.516(1), F.S., and contingent on 14 days prior public notice and on resolution of any written responses by persons whose substantial interests are negatively affected by your proposal, you are hereby authorized to conduct performance tests for pollutant emissions on SJRPP's Unit #1 while firing a blend

of petroleum coke and bituminous coal. SJRPP's Unit #1 was permitted under Site Certification, No. PA 81-13, and Federal Permit No. PSD-FL-010, and is certified/permitted to fire only coal in accordance with the referenced Site Certification/Federal Permit.

The emissions tests are being proposed in order to gather data regarding pollutant emissions while firing a maximum of 20%, by weight, blend of petroleum coke and bituminous coal. Screening to determine whether this change results in a modification and to determine Prevention of Significant Deterioration (PSD) and/or Nonattainment Area (NAA) applicability shall be in accordance with Chapter 403, F.S.; Chapters 62-209 thru 62-297 and 62-4, F.A.C.; and, Title 40 Code of Federal Regulations (CFR; July 1, 1993 version), which will compare the actual pollutant emissions of the baseline tests (100% coal) with the actual pollutant emissions of the performance tests while firing a blend of petroleum coke and bituminous coal. The performance test results will be reviewed by the Department's Bureau of Air Regulation (BAR) and involved agencies/parties (i.e., Duval County's Regulatory and Environmental Services Department (R&ESD), U.S. EPA, National Park Service, etc.).

The performance tests shall be subject to the following conditions:

1. The permittee shall notify, in writing, the Department's BAR office, the Duval County's R&ESD office, and the Site Certification office at least 15 days prior to commencement of the baseline and the petroleum coke-coal blend performance tests. A written test result report shall be submitted to these offices within 45 days upon completion of the last test run.

2. The petroleum coke-coal blend performance tests shall be conducted for not more than 21 days. Based on the proposed testing protocol (faxed letter dated February 7, 1995, included as an attachment) to establish steady state operation and to achieve a maximum (20%) blend for which the tests shall be conducted, the Department will allow the first 4 days of petroleum coke-coal blend burning to establish these parameters. If, for any reasons, a steady state operation of 20% petroleum coke-coal blend, or less, is not achieved, the testing shall be curtailed. The Department shall be immediately notified of the problems that have prevented steady state operations and what steps will be initiated to correct this. Note that all petroleum coke-coal blend firing counts

against the 21 days of approved time for conducting tests. All testing shall be concluded within 60 days of when petroleum coke is first introduced into SJRPP's Unit #1.

3. As-burned fuel samples shall be collected and analyzed for the sulfur, nitrogen, and metals (see condition No. 4) content throughout the petroleum coke-coal blend and the baseline coal test periods. Weekly composites from daily sampling shall be required; in addition and during the particulate matter test runs, a minimum of three (3) separate samples shall be taken and analyzed.

4. The concentration of chromium, lead, mercury, nickel, beryllium, vanadium, and zinc in the petroleum coke-coal blend shall be compared with the concentration of the same metals in the coal used during the baseline tests.

5. The trial burn of the petroleum coke-coal blends shall be limited to a maximum of 20% petroleum coke, by weight. The maximum weight of the petroleum coke burned during the petroleum coke-coal blend performance tests shall not exceed 100,000 lbs/hr.

6. The maximum sulfur content of the coal shall not exceed 1.50 percent, by weight, during the baseline tests and the petroleum coke-coal blend tests. The maximum sulfur content of the petroleum coke shall not exceed 4 percent, by weight, which is the permitted value of the coal sulfur content at the facility.

7. Sulfur dioxide, nitrogen oxides (NOx), and opacity emissions data shall be recorded using continuous emissions monitors (CEMS) during the baseline and the petroleum coke-coal blend tests. If the plant CEMS are used for these tests, these systems shall be quality assured pursuant to 40 CFR 60, Appendix F requirements. The data assessment report from 40 CFR 60, Appendix F, for the most recent relative accuracy test audit (RATA) and most recent cylinder gas audit (CGA), shall be submitted with the test report. In addition, stack tests shall be conducted for the pollutants particulate matter (PM; assume that all of PM is PM10), carbon monoxide, and sulfuric acid mist. A satisfactory performance test for each baseline test and each petroleum coke-coal blend shall consist of a minimum of three tests at three runs per test.

8. For PSD, NAA, and modification assessment purposes, the actual pollutant emissions results from the petroleum coke-coal blend performance tests shall be compared with the actual pollutant emissions results from the baseline performance tests when firing coal only.

9. Any performance tests shall be conducted using EPA Reference Methods, as contained in 40 CFR 60 (Standards of Performance for New Stationary Sources), 40 CFR Part 61 (National Emission Standards for Hazardous Air Pollutants), and 40 CFR 266, Appendix IX (Multi-metals), or any other method approved by the Department, in writing, in accordance with Chapter 62-297, F.A.C.

10. If additional time is needed, the permittee shall request an extension of time and provide the Department with documentation of the progress accomplished to date and shall identify what is left to be done to complete the performance tests.

11. Daily records (i.e., heat input, steam production, pressure, temperature, MW, fuel input rates, etc.) of boiler operations while firing the petroleum coke-coal blend and while firing only coal (baseline) during the tests shall be required. Also, daily record keeping of the control equipment parameters (i.e., the pH of the scrubbing medium, the mix ratio of the water and medium and the injection rate to the scrubber, the pressure drop across the scrubber, etc.) shall be required and any alteration of the control equipment operational parameters between the baseline and the petroleum coke-coal blend tests shall be documented and summarized in the final report.

12. A Type I or II stack audit may be conducted by the Duval County's R&ESD office.

13. Complete documentation (recording) of any firing of the petroleum coke-coal blend shall be required (i.e., all CEMs records; testing results; materials utilized, by weight; etc.) and kept on file for a minimum of five years.

14. The authorized petroleum coke-coal blend performance tests shall not result in the release of objectionable odors pursuant to Rule 62-296.320(2), F.A.C.

15. Performance testing shall immediately cease if SJRPP's Unit #1 operations are not in accordance with the conditions in the air section of the Site Certification, No. PA 81-13; the Federal Permit, No. PSD-Fl-010; and, this authorization protocol. Performance testing shall not resume until appropriate measures to correct the problem(s) have been implemented.

16. The performance tests for pollutant emissions shall be conducted under the direct supervision and responsible charge of a professional engineer registered in Florida.

17. This Department action is only to authorize the performance tests for a petroleum coke-coal blend performance tests, where prior public notice was published in a newspaper of general circulation in the Jacksonville area. Any firing of petroleum coke after the last performance test run is completed will be deemed a violation of the Site Certification, No. PA 81-13, and the Federal Permit, No. PSD-FL-010.

18. The Duval County's R&ESD office shall be notified, in writing, on the date of the last test run completion.

19. The testing series shall include emissions tests for each of the petroleum coke-coal blends and pollutants with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the Site Certification (PA 81-13) and Federal Permit (PSD-FL-010) capacity allowed. If it is impracticable to test at this capacity, then the source may be tested at less than capacity for the petroleum coke-coal blend and the baseline tests, but the tests must be conducted at the same capacity; and, in this case, subsequent source operation with a petroleum coke-coal blend, if requested and approved by the Department, shall be limited to 110 percent of the tested capacity until new tests are conducted, which requires prior Department authorization.

20. Prior written approval of the pollutants to be tested for and the appropriate test methods are mandatory prior to commencement of testing. The proposal shall be submitted to the Site Certification office, the Department's BAR office, and the Duval County's R&ESD office for approval.

21. Attachments to be incorporated:
    - o SJRPP's December 20, 1994 letter with Attachment.
    - o SJRPP's February 7, 1995 facsimile.

This letter amendment must be attached to the Federal Permit, No. PSD-FL-010(A) (Site Certification No. PA 81-13), and shall become a part of the permit.

Sincerely,

Howard L. Rhodes

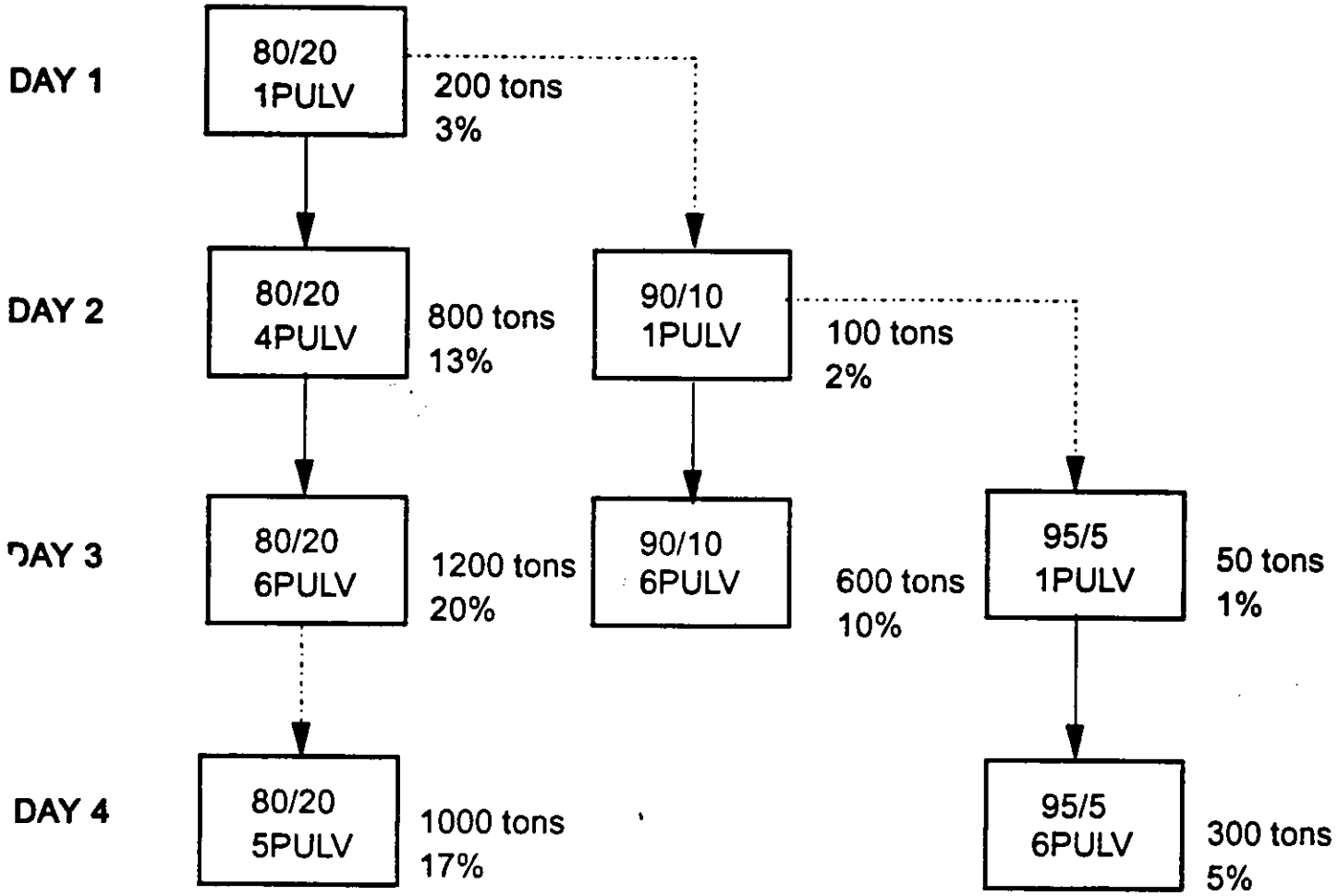
Howard L. Rhodes, Director
Division of Air Resources
Management

HLR/sa/t

Enclosure

cc: Buck Oven, DEP
Steve Pace, R&ESD
Jewell Harper, EPA/Region IV
John Bunyak, NPS
Doug Beason, Esq., DEP
Jay Worley, SJRPP

St. Johns River Power Park
PETROLEUM COKE
TEST BURN SCHEDULE



LEGEND

——►	Represents action following operationally sucessful test burn
·····►	Represents action following operationally unsucessful test burn

Note: Incremental loading of petroleum coke fuel is required to anticipate operational limitations.

ATTACHMENT B

CERTIFIED MAIL

SJRO LC 95 104

June 22, 1995

Mr. Clair Fancy
FDEP
Bureau of Air Regulation
Mail Station 5505
2600 Blairstone Road
Tallahassee, FL 32399-2400

RE: Site Certification No. PA 81-13
St. Johns River Power Park (SJRPP) Unit I
Notification of Test Burn Petroleum Coke-Coal Blend

Dear Mr. Fancy:

The above referenced facility was authorized by the Florida Department of Environmental Protection's March 30, 1995, letter to test burn a blend of petroleum coke with coal. Condition #1 requires that "the permittee shall notify, in writing, the Department's BAR office, the Duval County's RESD office and the Site Certification Office at least 15 days prior to commencement of the baseline and the petroleum coke-coal blend performance tests. In accordance with Condition #1, the tentative date to commence the baseline and petroleum coke-coal blend performance tests is July 11, 1995.

Please contact me at (904) 751-7729 if you have any questions.

Sincerely,

Jay Worley
Environmental & Safety Manager

JAW/pct

11201 New Berlin Road • Jacksonville, FL 32226

CERTIFIED MAIL

SJRO LC 95 120

July 20, 1995

Mr. Clair Fancy
Fla. Dept. of Environmental Protection
Bureau of Air Regulation
Mail Station 5505
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400

RE: Site Certification No. PA 81-13
St. Johns River Power Park (SJRPP) Unit 1
Notification of Petroleum Coke/Coal Test Burn Delay

Dear Mr. Fancy:

The above referenced testing at SJRPP has been delayed due to pulverizer mechanical repairs. The unit loading of petroleum coke is now anticipated to commence August 7, 1995. Please note that the baseline testing was completed July 20, 1995, however, these repairs have become necessary to ensure that the unit will remain available throughout the pet coke testing period.

Please contact me at (904) 751-7729 if you have any questions.

Sincerely,

Jay Worley
Environmental & Safety Manager

JAW/pct

xc: R. Breitmoser

ATTACHMENT C

SJRPP UNIT 1
TEST BURN
PETROLEUM COKE/BITUMINOUS COAL
ANALYTICAL RESULTS

A) BASELINE - COMPOSITE - 7/18, 7/19, 7/20, 8/8 - (Analyses in ug/g)

DATE	S	N	Cr	Pb	Hg	Ni	Be	V	Zn
BASELINE COMPOSITE	0.86	1.59	10	7	0.06	3	0.7	21	13

B) DAILY - BASELINE - (Analyses in ug/g)

DATE	S	N	Cr	Pb	Hg	Ni	Be	V	Zn
7/18	0.61	1.58	8	3	0.07	1	0.3	16	10
7/18	0.62	1.59	7	3	0.06	1	0.3	15	10
7/18	0.65	1.54	8	3	0.05	1	0.3	17	12
7/19	0.85	1.56	11	6	0.09	6	0.7	21	14
7/19	0.86	1.54	11	2	0.07	6	0.8	22	15
7/19	0.85	1.54	11	3	0.06	3	0.7	22	16
7/20	1.24	1.46	15	5	0.09	13	2.1	32	17
7/20	1.22	1.61	14	7	0.15	12	2.0	32	18
7/20	1.26	1.61	15	7	0.11	12	2.1	35	17
8/8	0.77	1.59	8	3	0.04	<1	0.3	18	12
8/8	0.72	1.58	8	5	0.03	1	0.3	17	10
8/8	0.72	1.55	8	3	0.04	1	0.3	18	11

SJRPP UNIT 1
TEST BURN
PETROLEUM COKE/BITUMINOUS COAL
ANALYTICAL RESULTS

A) BLEND A - COMPOSITE - 8/9, 8/10, 8/11, 8/12, 8/13 (Analyses in ug/g)

DATE	S	N	Cr	Pb	Hg	Ni	Be	V	Zn
COMPOSITE BLEND A	1.05	1.42	8	3	0.05	33	0.5	220	12

B) BLEND B - COMPOSITE - 8/14, 8/15, 8/16, 8/17, 8/18, 8/19 (Analyses in ug/g)

DATE	S	N	Cr	Pb	Hg	Ni	Be	V	Zn
COMPOSITE BLEND B	1.62	1.50	12	7	0.05	62	1.3	400	18

SJRPP UNIT 1
TEST BURN
PETROLEUM COKE/BITUMINOUS COAL
ANALYTICAL RESULTS

A) DAILY BLEND - (Analyses in ug/g)

DATE	S	N	Cr	Pb	Hg	Ni	Be	V	Zn
8/14	1.34	1.52	7	3	0.06	57	0.7	380	13
8/14	1.44	1.55	7	4	0.03	73	1.2	500	13
8/14	1.31	1.53	8	4	0.06	50	1.0	350	14
8/15	1.48	1.53	6	3	0.04	77	1.1	500	11
8/15	1.32	1.51	7	3	0.05	58	1.0	380	12
8/15	1.33	1.53	8	3	0.05	54	1.2	360	15
8/16	1.40	1.53	7	4	0.07	60	1.0	390	14
8/16	1.40	1.53	7	3	0.03	61	1.2	390	13
8/16	1.32	1.45	7	<2	0.05	58	0.9	380	13
8/17	1.33	1.34	7	<2	0.04	54	1.0	360	13
8/17	1.94	1.56	11	9	0.07	65	1.7	430	16
8/17	1.49	1.43	24	11	0.04	58	2.0	330	25
8/18	1.77	1.50	18	11	0.07	71	2.0	460	23
8/18	1.72	1.51	17	10	0.08	65	2.1	380	20
8/18	1.86	1.46	15	11	0.08	68	2.0	420	21
8/19	1.89	1.49	15	11	0.09	68	1.8	420	22

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Member of the SGS Group (Société Générale de Surveillance)

September 1, 1995

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P.O. BOX 752, HENDERSON, KY
TELEPHONE: (502) 827-
FAX: (502) 826-

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0928 Comp-A
7/18, 7/19, 7/20, 8/8
P.O. #002363

7.31% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled (BURN DATE): July 18,19,20, 1995
August 8, 1995

Date received: August 22, 1995

Analysis report no. 63-90708

Parameter	Results
Beryllium, Be	0.7
Chromium, Cr	10
Lead, Pb	7
Mercury, Hg	0.06
Nickel, Ni	3
Vanadium, V	21
Zinc, Zn	13
Sulfur, S	0.86
Nitrogen, N	1.59

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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September 1, 1995

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TELEPHONE: (502) 827-1167
FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0913A
P.O. #002363

8.81% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date ~~sampled~~ BURN DATE: July 18, 1995

Date received: August 22, 1995

Analysis report no. 63-90696

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.07
Nickel, Ni	1
Vanadium, V	16
Zinc, Zn	10
Sulfur, S	0.61
Nitrogen, N	1.58

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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September 1, 1995

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FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0914B
P.O. #002363

8.81% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date ~~sampled~~ BURN DATE: July 18, 1995

Date received: August 22, 1995

Analysis report no. 63-90697

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	7
Lead, Pb	3
Mercury, Hg	0.06
Nickel, Ni	1
Vanadium, V	15
Zinc, Zn	10
Sulfur, S	0.62
Nitrogen, N	1.59

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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September 1, 1995

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TELEPHONE: (502) 827-1167
FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0915C
P.O. #002363

8.81% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date ~~sampled~~ BURN DATE: July 18, 1995

Date received: August 22, 1995

Analysis report no. 63-90698

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.05
Nickel, Ni	1
Vanadium, V	17
Zinc, Zn	12
Sulfur, S	0.65
Nitrogen, N	1.54

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0918D
P.O. #002363

8.70% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: ----

Sample taken by: ----

BURN Date sampled: July 19, 1995

Date received: August 22, 1995

Analysis report no. 63-90699

Parameter	Results
Beryllium, Be	0.7
Chromium, Cr	11
Lead, Pb	6
Mercury, Hg	0.09
Nickel, Ni	6
Vanadium, V	21
Zinc, Zn	14
Sulfur, S	0.85
Nitrogen, N	1.56

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0919E
P.O. #002363

8.70% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date [illegible]: July 19, 1995

Date received: August 22, 1995

Analysis report no. 63-90700

Parameter	Results
Beryllium, Be	0.8
Chromium, Cr	11
Lead, Pb	2
Mercury, Hg	0.07
Nickel, Ni	6
Vanadium, V	22
Zinc, Zn	15
Sulfur, S	0.86
Nitrogen, N	1.54

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0920F
P.O. #002363

8.70% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

BURN Date ~~sampled~~: July 19, 1995

Date received: August 22, 1995

Analysis report no. 63-90701

Parameter	Results
Beryllium, Be	0.7
Chromium, Cr	11
Lead, Pb	3
Mercury, Hg	0.06
Nickel, Ni	3
Vanadium, V	22
Zinc, Zn	16
Sulfur, S	0.85
Nitrogen, N	1.54

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0923G
P.O. #002363

4.00% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: July 20, 1995

Date received: August 22, 1995

Analysis report no. 63-90702

Parameter	Results
Beryllium, Be	2.1
Chromium, Cr	15
Lead, Pb	5
Mercury, Hg	0.09
Nickel, Ni	13
Vanadium, V	32
Zinc, Zn	17
Sulfur, S	1.24
Nitrogen, N	1.46

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 1, 1995

PLEASE ADDRESS ALL CORRESPONDENCE TO:
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TELEPHONE: (502) 827-1187
FAX: (502) 826-0719

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0924H
P.O. #002363

4.00% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date [illegible]: July 20, 1995

Date received: August 22, 1995

Analysis report no. 63-90703

Parameter	Results
Beryllium, Be	2.0
Chromium, Cr	14
Lead, Pb	7
Mercury, Hg	0.15
Nickel, Ni	12
Vanadium, V	32
Zinc, Zn	18
Sulfur, S	1.22
Nitrogen, N	1.61

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDENCE T
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September 7, 1995

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0925I
P.O. #002363

4.00% A.D.L. Provided by Client

Corrected analysis

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: July 20, 1995

Date received: August 22, 1995

Analysis report no. 63-90704

Parameter	Results
Beryllium, Be	2.1
Chromium, Cr	15
Lead, Pb	7
Mercury, Hg	0.11
Nickel, Ni	12
Vanadium, V	35
Zinc, Zn	17
Sulfur, S	1.26
Nitrogen, N	1.61

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO. RR

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 1, 1995

PLEASE ADDRESS ALL CORRESPONDENCE
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FAX: (502) 826-

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0929J
P.O. #002363

7.74% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Burn Date [redacted]: August 8, 1995

Date received: August 22, 1995

Analysis report no. 63-90705

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.04
Nickel, Ni	<1
Vanadium, V	18
Zinc, Zn	12
Sulfur, S	0.77
Nitrogen, N	1.59

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 1, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
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FAX: (502) 826-0

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0930K
P.O. #002363

7.74% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date [redacted]: August 8, 1995

Date received: August 22, 1995

Analysis report no. 63-90706

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	8
Lead, Pb	5
Mercury, Hg	0.03
Nickel, Ni	1
Vanadium, V	17
Zinc, Zn	10
Sulfur, S	0.72
Nitrogen, N	1.58

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 1, 1995

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FAX: (502) 826-

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

60 Mesh Split
Sample #0931L
P.O. #002363

7.74% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

BURN Date sampled: August 8, 1995

Date received: August 22, 1995

Analysis report no. 63-90707

Parameter	Results
Beryllium, Be	0.3
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.04
Nickel, Ni	1
Vanadium, V	18
Zinc, Zn	11
Sulfur, S	0.72
Nitrogen, N	1.55

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

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TELEPHONE: (502) 827-1
FAX: (502) 826-0

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0939M
P.O. #008306

Kind of sample reported to us: Coal

6.92% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 14, 1995

Date received: August 25, 1995

Analysis report no. 63-90988

Parameter	Results
Beryllium, Be	0.7
Chromium, Cr	7
Lead, Pb	3
Mercury, Hg	0.06
Nickel, Ni	57
Vanadium, V	380
Zinc, Zn	13
Sulfur, S	1.34
Nitrogen, N	1.52

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0940N
P.O. #008306

4.74% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 14, 1995

Date received: August 25, 1995

Analysis report no. 63-90989

Parameter	Results
Beryllium, Be	1.2
Chromium, Cr	7
Lead, Pb	4
Mercury, Hg	0.03
Nickel, Ni	73
Vanadium, V	500
Zinc, Zn	13
Sulfur, S	1.44
Nitrogen, N	1.55

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
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TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #09410
P.O. #008306

7.51% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 14, 1995

Date received: August 25, 1995

Analysis report no. 63-90990

Parameter	Results
Beryllium, Be	1.0
Chromium, Cr	8
Lead, Pb	4
Mercury, Hg	0.06
Nickel, Ni	50
Vanadium, V	350
Zinc, Zn	14
Sulfur, S	1.31
Nitrogen, N	1.53

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
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TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0943P
P.O. #008306

Kind of sample reported to us: Coal

4.71% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 15, 1995

Date received: August 25, 1995

Analysis report no. 63-90991

Parameter	Results
Beryllium, Be	1.1
Chromium, Cr	6
Lead, Pb	3
Mercury, Hg	0.04
Nickel, Ni	77
Vanadium, V	500
Zinc, Zn	11
Sulfur, S	1.48
Nitrogen, N	1.53

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0944Q
P.O. #008306

Kind of sample reported to us: Coal

6.91% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 15, 1995

Date received: August 25, 1995

Analysis report no. 63-90992

Parameter	Results
Beryllium, Be	1.0
Chromium, Cr	7
Lead, Pb	3
Mercury, Hg	0.05
Nickel, Ni	58
Vanadium, V	380
Zinc, Zn	12
Sulfur, S	1.32
Nitrogen, N	1.51

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

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P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0945R
P.O. #008306

Kind of sample reported to us: Coal

7.56% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 15, 1995

Date received: August 25, 1995

Analysis report no. 63-90993

Parameter	Results
Beryllium, Be	1.2
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.05
Nickel, Ni	54
Vanadium, V	360
Zinc, Zn	15
Sulfur, S	1.33
Nitrogen, N	1.53

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE
P.O. BOX 752, HENDERSON, KY 42
TELEPHONE: (502) 827-1
FAX: (502) 826-0

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0947S
P.O. #008306

7.15% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 16, 1995

Date received: August 25, 1995

Analysis report no. 63-90994

Parameter	Results
Beryllium, Be	1.0
Chromium, Cr	7
Lead, Pb	4
Mercury, Hg	0.07
Nickel, Ni	60
Vanadium, V	390
Zinc, Zn	14
Sulfur, S	1.40
Nitrogen, N	1.53

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 752, HENDERSON, KY 4342
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0948T
P.O. #008306

7.15% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 16, 1995

Date received: August 25, 1995

Analysis report no. 63-90995

Parameter	Results
Beryllium, Be	1.2
Chromium, Cr	7
Lead, Pb	3
Mercury, Hg	0.03
Nickel, Ni	61
Vanadium, V	390
Zinc, Zn	13
Sulfur, S	1.40
Nitrogen, N	1.53

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0949U
P.O. #008306

Kind of sample reported to us: Coal

7.15% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 16, 1995

Date received: August 25, 1995

Analysis report no. 63-90996

Parameter	Results
Beryllium, Be	0.9
Chromium, Cr	7
Lead, Pb	<2
Mercury, Hg	0.05
Nickel, Ni	58
Vanadium, V	380
Zinc, Zn	13
Sulfur, S	1.32
Nitrogen, N	1.45

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0952V
P.O. #008306

Kind of sample reported to us: Coal

7.23% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 17, 1995

Date received: August 25, 1995

Analysis report no. 63-90997

Parameter	Results
Beryllium, Be	1.0
Chromium, Cr	7
Lead, Pb	<2
Mercury, Hg	0.04
Nickel, Ni	54
Vanadium, V	360
Zinc, Zn	13
Sulfur, S	1.33
Nitrogen, N	1.34

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0953W
P.O. #008306

3.44% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 17, 1995

Date received: August 25, 1995

Analysis report no. 63-90998

Parameter	Results
Beryllium, Be	1.7
Chromium, Cr	11
Lead, Pb	9
Mercury, Hg	0.07
Nickel, Ni	65
Vanadium, V	430
Zinc, Zn	16
Sulfur, S	1.94
Nitrogen, N	1.56

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 828-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0954X
P.O. #008306

4.19% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 17, 1995

Date received: August 25, 1995

Analysis report no. 63-90999

Parameter	Results
Beryllium, Be	2.0
Chromium, Cr	24
Lead, Pb	11
Mercury, Hg	0.04
Nickel, Ni	58
Vanadium, V	330
Zinc, Zn	25
Sulfur, S	1.49
Nitrogen, N	1.43

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1922
Member of the SGS Group (Société Générale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 42
TELEPHONE: (502) 827-1
FAX: (502) 828-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0956Y
P.O. #008306

5.24% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 18, 1995

Date received: August 25, 1995

Analysis report no. 63-91000

Parameter	Results
Beryllium, Be	2.0
Chromium, Cr	18
Lead, Pb	11
Mercury, Hg	0.07
Nickel, Ni	71
Vanadium, V	460
Zinc, Zn	23
Sulfur, S	1.77
Nitrogen, N	1.50

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
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September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #09572
P.O. #008306

Kind of sample reported to us: Coal

4.17% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 18, 1995

Date received: August 25, 1995

Analysis report no. 63-91001

Parameter	Results
Beryllium, Be	2.1
Chromium, Cr	17
Lead, Pb	10
Mercury, Hg	0.08
Nickel, Ni	65
Vanadium, V	380
Zinc, Zn	20
Sulfur, S	1.72
Nitrogen, N	1.51

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1900
Member of the SGS Group (Société Générale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE
P.O. BOX 752, HENDERSON, KY 4
TELEPHONE: (502) 827-
FAX: (502) 826-

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0958Z1
P.O. #008306

Kind of sample reported to us: Coal

4.72% A.D.L. Provided by Client

Sample taken at: -----

Sample taken by: -----

Date sampled: August 18, 1995

Date received: August 25, 1995

Analysis report no. 63-91002

Parameter	Results
Beryllium, Be	2.0
Chromium, Cr	15
Lead, Pb	11
Mercury, Hg	0.08
Nickel, Ni	68
Vanadium, V	420
Zinc, Zn	21
Sulfur, S	1.86
Nitrogen, N	1.46

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0960
P.O. #008306

5.50% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 19, 1995

Date received: August 25, 1995

Analysis report no. 63-91003

Parameter	Results
Beryllium, Be	1.8
Chromium, Cr	15
Lead, Pb	11
Mercury, Hg	0.09
Nickel, Ni	68
Vanadium, V	420
Zinc, Zn	22
Sulfur, S	1.89
Nitrogen, N	1.49

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (Method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1909
Member of the SGS Group (Societe Generale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0951
Composite C
P.O. #008306

5.27% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 14,15,16,17,18,19, 1995

Date received: August 25, 1995

Analysis report no. 63-91005

Parameter	Results
Beryllium, Be	1.3
Chromium, Cr	12
Lead, Pb	7
Mercury, Hg	0.05
Nickel, Ni	62
Vanadium, V	400
Zinc, Zn	18
Sulfur, S	1.62
Nitrogen, N	1.50

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C).
Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Kentucky Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1909
Member of the SGS Group (Société Générale de Surveillance)

September 11, 1995

PLEASE ADDRESS ALL CORRESPONDENCE T
P.O. BOX 752, HENDERSON, KY 424
TELEPHONE: (502) 827-11
FAX: (502) 826-07

ST. JOHNS RIVER POWER PARK
11201 NEW BERLIN RD
JACKSONVILLE FL 32226

Sample identification by
SJRPP

Sample #0938
Composite B
P.O. #008306

7.65% A.D.L. Provided by Client

Kind of sample reported to us: Coal

Sample taken at: -----

Sample taken by: -----

Date sampled: August 9,10,11,12,13, 1995

Date received: August 25, 1995

Analysis report no. 63-91004

Parameter	Results
Beryllium, Be	0.5
Chromium, Cr	8
Lead, Pb	3
Mercury, Hg	0.05
Nickel, Ni	33
Vanadium, V	220
Zinc, Zn	12
Sulfur, S	1.05
Nitrogen, N	1.42

Procedure: The samples were prepared according to ASTM, Part 5.05, Method D 3683. The samples were analyzed for trace elements by Inductively Coupled Plasma Emission Spectroscopy.

Mercury per ASTM, Part 5.05, Method D 3684, Double Gold Amalgamation Cold Vapor Atomic Absorption.

Sulfur per ASTM, Part 5.05, Method D 4239 (method C). Nitrogen per ASTM, Part 5.05, Method D 5373-93.

Results: Results are reported as micrograms per gram (ug/g), except for Nitrogen and Sulfur, which are reported in weight percent (Wt.%), all on a dry basis.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Henderson Laboratory

ATTACHMENT D

ST. JOHNS RIVER POWER PARK

COAL ANALYSIS REPORT

SUPPLIER: EXXON SAMPLE TAKEN AT EXXON BY EXXON
ANALYZED BY EXXON

DATE SMP	AS RECEIVED TONS	%MOIST	%ASH	%SULFUR	BTU	#SO2/MBTU	DRY %ASH	DRY %SULFUR	DRY BTU	-A&M FREE- BTU
CONTRACTUAL		9.20	9.60	0.70	11810					
07/01/95 V513	45540.00	10.60	7.66	0.69	11831	1.16	8.57	0.77	13234	14474
07/16/95 V514	60025.00	10.78	7.38	0.62	11843	1.05	8.27	0.69	13274	14471
07/29/95 V515	59789.00	11.05	7.18	0.63	11823	1.06	8.07	0.71	13292	14459
WEIGHTED AVG	165354.00	10.83	7.38	0.64	11832	1.08	8.28	0.72	13269	14467

09/14/95
14:59:46

ST. JOHNS RIVER POWER PARK

COAL ANALYSIS REPORT

SUPPLIER: ASHLAND SAMPLE TAKEN AT ASHLAND BY ASHLAND
ANALYZED BY ASHLAND

DATE SMP		AS RECEIVED TONS	%MOIST	%ASH	%SULFUR	BTU	#SO2/MBTU	DRY %ASH	DRY %SULFUR	DRY BTU	-A&M FREE- BTU
CONTRACTUAL			6.00	11.00	0.85	12000					
08/01/95	7173	9522.00	5.69	13.33	0.88	12074	1.46	14.13	0.93	12802	14910
08/07/95	7174	9526.10	6.53	13.33	0.95	11947	1.59	14.26	1.02	12782	14908
08/11/95	7175	9720.80	5.80	13.63	1.00	12084	1.65	14.47	1.06	12828	14998
08/16/95	7176	9518.65	5.86	13.06	0.81	12129	1.33	13.87	0.86	12884	14959
08/22/95	7177	9376.50	5.83	13.93	0.81	11986	1.35	14.79	0.86	12728	14938
08/25/95	7178	9347.65	5.25	13.34	0.89	12161	1.46	14.08	0.94	12835	14938
WEIGHTED AVG		57011.70	5.83	13.44	0.89	12063	1.47	14.27	0.95	12810	14942

Hampton Roads Testing Laboratories, Inc.
611 Howmet Drive, Hampton, Virginia 23661-1300
Tel (804) 826-0310 Fax (804) 827-1385

Laboratory Report No. *312916* Date of Report *July 14, 1995*

CERTIFICATE OF ANALYSIS

Sample of: PETROLEUM COKE - LOT 1

Mark: Representing a 71 car sample of PET COKE, car top sampled at the Yorktown Refinery and at Lee Hall, Virginia

From: Louisiana Carbon/Amoco

Date Sampled: July 13, 1995

Sampled By: Hampton Roads Testing Labs., Inc.

PROXIMATE ANALYSIS

	As Received	Dry Basis
Moisture	5.40	
Volatile Matter	14.28	15.09
Fixed Carbon	79.94	84.51
Ash	0.38	0.40
Total (100%)	100.00	100.00
Sulphur	3.15	3.33
B.T.U./Lb.	14777	15621
Calories/Gram	8209	8678
MOISTURE/ASH FREE B.T.U.		15684

Hampton Roads Testing Laboratories, Inc.

By _____
Chemist

CA-1

Hampton Roads Testing Laborato , Inc.
611 Howmet Drive, Hampton, Virginia 23661-1390
Tel: (804) 826-0314 Fax: (804) 827-1388

Laboratory Report No. *312917* Date of Report *July 14, 1995*

CERTIFICATE OF ANALYSIS

Sample of: *PETROLEUM COKE - LOT 2*

Mark: *Representing a 48 car sample of PET COKE, car top sampled at the Yorktown Refinery*

From: *Louisiana Carbon/Amoco*

Date Sampled: *July 12, 1995*

Sampled By: *Hampton Roads Testing Labs., Inc.*

PROXIMATE ANALYSIS

	As Received	Dry Basis
Moisture	5.45	
Volatile Matter	14.31	15.13
Fixed Carbon	79.89	84.50
Ash	0.35	0.37
Total (100%)	100.00	100.00
Sulphur	3.04	3.22
B.T.U./Lb.	14811	15665
Calories/Gram	8228	8703
MOISTURE/ASH FREE B.T.U.		15723

Hampton Roads Testing Laboratories, Inc.

By _____
Chemist

cc:

Hampton Roads Testing Laboratories, Inc.
611 Howmet Drive, Hampton, Virginia 23661-1390
Tel: (804) 826-5310 Fax: (804) 827-1368

Laboratory Report No. 312918 Date of Report July 14, 1995

CERTIFICATE OF ANALYSIS

Sample of: PETROLEUM COKE - DOMESTIC SHIPMENT

Mark: Calculated composite representing 119 cars of PET COKE for shipment to Jacksonville Electric, car top sampled at the Yorktown Refinery and at Lee Hall, Virginia

From: Louisiana Carbon/Amoco

Date Sampled: July 12 and 13, 1995

Sampled By: Hampton Roads Testing Labs., Inc.

PROXIMATE ANALYSIS

	As Received	Dry Basis
Moisture	5.42	
Volatile Matter	14.29	15.11
Fixed Carbon	79.92	84.50
Ash	0.37	0.39
Total (100%)	100.00	100.00
Sulphur	3.11	3.29
B.T.U./Lb.	14791	15639
Calories/Gram	8217	8688
MOISTURE/ASH FREE B.T.U.		15700

Hampton Roads Testing Laboratories, Inc.

By _____
Chemist

ATTACHMENT E

ATTACHMENT E-1

St. Johns Unit 1

Daily Summary

FROM 07/18/95 00:00 TO 07/19/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-18-95 00:00	13.45	12.68	0.451	1.024	0.294
07-18-95 01:00	13.07	12.41	0.438	1.020	0.292
07-18-95 02:00	12.70	11.88	0.444	1.021	0.289
07-18-95 03:00	12.64	11.87	0.451	1.013	0.284
07-18-95 04:00	12.68	11.90	0.454	1.015	0.284
07-18-95 05:00	12.67	11.94	0.454	1.014	0.283
07-18-95 06:00	13.08	12.27	0.504	1.020	0.270
07-18-95 07:00	13.23	12.47	0.529	1.005	0.271
07-18-95 08:00	13.27	12.45	0.523	0.996	0.269
07-18-95 09:00	13.23	12.43	0.519	0.992	0.270
07-18-95 10:00	13.31	12.44	0.520	0.991	0.270
07-18-95 11:00	13.27	12.45	0.524	1.000	0.273
07-18-95 12:00	13.33	12.45	0.525	1.007	0.274
07-18-95 13:00	13.31	12.47	0.522	1.016	0.277
07-18-95 14:00	13.33	12.45	0.514	1.021	0.279
07-18-95 15:00	13.03	12.26	0.465	1.030	0.282
07-18-95 16:00	13.17	12.31	0.500	1.057	0.289
07-18-95 17:00	13.26	12.40	0.490	1.072	0.296
07-18-95 18:00	13.37	12.49	0.480	1.072	0.293
07-18-95 19:00	13.28	12.49	0.472	1.063	0.290
07-18-95 20:00	13.33	12.49	0.477	1.059	0.289
07-18-95 21:00	13.24	12.50	0.457	1.061	0.293
07-18-95 22:00	13.25	12.43	0.459	1.059	0.294
07-18-95 23:00	13.13	12.40	0.482	1.055	0.291
*FINAL AVERAGE(s)	13.15	12.35	0.486	1.029	0.283

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 07/19/95 00:00 TO 07/20/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-19-95 00:00	13.16	12.28	0.488	1.048	0.297
07-19-95 01:00	13.18	12.39	0.490	1.043	0.290
07-19-95 02:00	13.30	12.46	0.490	1.039	0.286
07-19-95 03:00	13.30	12.54	0.486	1.040	0.286
07-19-95 04:00	13.29	12.49	0.505	1.041	0.285
07-19-95 05:00	13.25	12.51	0.507	1.043	0.286
07-19-95 06:00	13.31	12.54	0.506	1.042	0.284
07-19-95 07:00	13.22	12.54	0.500	1.040	0.285
07-19-95 08:00	13.31	12.52	0.502	1.040	0.287
07-19-95 09:00	13.28	12.52	0.505	1.050	0.290
07-19-95 10:00	13.31	12.54	0.507	1.047	0.289
07-19-95 11:00	13.23	12.45	0.516	1.034	0.284
07-19-95 12:00	13.30	12.47	0.512	1.025	0.281
07-19-95 13:00	13.24	12.44	0.515	1.014	0.278
07-19-95 14:00	13.30	12.41	0.517	1.011	0.277
07-19-95 15:00	13.27	12.48	0.510	1.011	0.275
07-19-95 16:00	13.29	12.45	0.515	1.007	0.272
07-19-95 17:00	13.28	12.50	0.501	1.010	0.275
07-19-95 18:00	13.36	12.50	0.501	1.009	0.276
07-19-95 19:00	13.31	12.54	0.507	1.005	0.272
07-19-95 20:00	13.37	12.54	0.498	1.006	0.273
07-19-95 21:00	13.32	12.53	0.495	1.008	0.276
07-19-95 22:00	13.41	12.55	0.489	1.009	0.277
07-19-95 23:00	13.31	12.53	0.486	1.005	0.277
*FINAL AVERAGE(s)	13.29	12.49	0.502	1.026	0.282

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 07/20/95 00:00 TO 07/21/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-20-95 00:00	13.39	12.44	0.485	1.002	0.286
07-20-95 01:00	13.29	12.54	0.478	1.007	0.282
07-20-95 02:00	13.39	12.55	0.460	1.004	0.277
07-20-95 03:00	13.29	12.52	0.459	1.002	0.274
07-20-95 04:00	13.34	12.51	0.443	0.994	0.272
07-20-95 05:00	13.33	12.49	0.399	1.003	0.275
07-20-95 06:00	13.36	12.43	0.444	0.999	0.273
07-20-95 07:00	13.30	12.50	0.447	1.008	0.272
07-20-95 08:00	13.37	12.53	0.446	1.021	0.275
07-20-95 09:00	13.33	12.49	0.448	1.029	0.280
07-20-95 10:00	13.42	12.50	0.458	1.037	0.284
07-20-95 11:00	13.38	12.54	0.466	1.043	0.281
07-20-95 12:00	13.37	**	**	1.045	**
07-20-95 13:00	13.31	12.29	0.488	1.049	0.280
07-20-95 14:00	13.38	12.40	0.505	1.050	0.288
07-20-95 15:00	13.33	12.44	0.504	1.050	0.284
07-20-95 16:00	13.35	12.49	0.502	1.051	0.285
07-20-95 17:00	13.29	12.44	0.498	1.051	0.287
07-20-95 18:00	13.39	12.42	0.496	1.050	0.289
07-20-95 19:00	13.35	12.48	0.494	1.048	0.289
07-20-95 20:00	13.34	12.42	0.489	1.048	0.289
07-20-95 21:00	13.31	12.44	0.496	1.047	0.289
07-20-95 22:00	13.37	12.47	0.501	1.049	0.288
07-20-95 23:00	13.26	12.44	0.496	1.046	0.286
*FINAL AVERAGE(s)	13.34	12.47	0.474	1.031	0.282

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/08/95 00:00 TO 08/09/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-08-95 00:00	13.38	12.27	**	1.041	0.306
08-08-95 01:00	13.30	12.38	**	1.023	0.296
08-08-95 02:00	13.41	12.39	**	1.020	0.291
08-08-95 03:00	13.31	**	**	1.017	**
08-08-95 04:00	13.31	12.10	0.546	1.011	0.415
08-08-95 05:00	13.25	12.29	0.537	1.003	0.278
08-08-95 06:00	13.32	12.32	0.533	1.000	0.274
08-08-95 07:00	13.28	12.34	0.538	0.997	0.274
08-08-95 08:00	13.36	12.40	0.552	0.986	0.272
08-08-95 09:00	13.32	12.38	0.562	0.975	0.268
08-08-95 10:00	13.39	12.37	0.574	0.975	0.266
08-08-95 11:00	13.37	12.37	0.568	0.969	0.264
08-08-95 12:00	13.38	12.36	0.567	0.953	0.258
08-08-95 13:00	13.33	12.21	0.566	0.948	0.254
08-08-95 14:00	13.35	12.38	0.535	0.938	0.250
08-08-95 15:00	13.29	12.38	0.553	0.938	0.248
08-08-95 16:00	13.38	12.39	0.562	0.942	0.249
08-08-95 17:00	13.35	12.41	0.562	0.951	0.251
08-08-95 18:00	13.47	12.44	0.557	0.954	0.248
08-08-95 19:00	13.33	12.39	0.550	0.950	0.249
08-08-95 20:00	13.39	12.39	0.536	0.941	0.247
08-08-95 21:00	13.30	12.39	0.531	0.942	0.249
08-08-95 22:00	13.43	12.46	0.546	0.944	0.250
08-08-95 23:00	13.26	12.37	0.514	0.943	0.249
*FINAL AVERAGE(s)	13.34	12.36	0.549	0.973	0.270

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/09/95 00:00 TO 08/10/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-09-95 00:00	13.34	12.28	**	0.938	0.258
08-09-95 01:00	13.27	13.43	**	0.939	0.298
08-09-95 02:00	13.37	12.31	**	0.953	0.253
08-09-95 03:00	13.26	12.36	**	0.956	0.255
08-09-95 04:00	13.29	12.31	0.541	0.962	0.261
08-09-95 05:00	13.25	12.33	0.545	0.960	0.255
08-09-95 06:00	13.34	12.34	0.555	0.965	0.255
08-09-95 07:00	13.31	12.37	0.589	0.979	0.258
08-09-95 08:00	13.36	12.38	0.579	0.994	0.263
08-09-95 09:00	13.25	12.34	0.583	1.020	0.270
08-09-95 10:00	13.32	12.34	0.578	1.032	0.274
08-09-95 11:00	13.30	12.41	0.563	1.047	0.279
08-09-95 12:00	13.12	12.42	0.575	1.072	0.280
08-09-95 13:00	13.00	12.42	0.569	1.085	0.296
08-09-95 14:00	13.09	12.34	0.611	1.078	0.298
08-09-95 15:00	13.17	12.46	0.595	1.083	0.306
08-09-95 16:00	13.26	12.56	0.568	1.124	0.310
08-09-95 17:00	13.39	12.67	0.482	1.152	0.316
08-09-95 18:00	13.42	12.65	0.484	1.136	0.313
08-09-95 19:00	13.31	12.65	0.491	1.135	0.311
08-09-95 20:00	13.30	12.62	0.491	1.140	0.311
08-09-95 21:00	13.24	12.58	0.493	1.139	0.312
08-09-95 22:00	13.29	12.58	0.482	1.157	0.318
08-09-95 23:00	13.25	12.56	0.474	1.171	0.323
*FINAL AVERAGE(s)	13.27	12.49	0.542	1.051	0.286

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/10/95 00:00 TO 08/11/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-10-95 00:00	13.30	12.48	0.490	1.188	0.337
08-10-95 01:00	13.22	12.55	0.478	1.263	0.348
08-10-95 02:00	13.32	12.55	0.470	1.235	0.349
08-10-95 03:00	13.18	12.49	0.489	1.230	0.350
08-10-95 04:00	13.11	12.37	0.497	1.275	0.359
08-10-95 05:00	13.15	12.49	0.516	1.287	0.355
08-10-95 06:00	13.21	12.53	0.502	1.284	0.352
08-10-95 07:00	13.23	12.54	0.489	1.291	0.356
08-10-95 08:00	13.33	12.62	0.498	1.313	0.362
08-10-95 09:00	13.23	12.59	0.497	1.328	0.367
08-10-95 10:00	13.16	12.52	0.512	1.333	0.368
08-10-95 11:00	13.01	12.40	0.564	1.294	0.354
08-10-95 12:00	13.08	12.41	0.582	1.300	0.355
08-10-95 13:00	13.02	12.30	0.505	1.359	0.379
08-10-95 14:00	13.07	12.35	0.501	1.375	0.391
08-10-95 15:00	13.05	12.44	0.491	1.361	0.385
08-10-95 16:00	13.21	12.49	0.546	1.371	0.378
08-10-95 17:00	13.27	12.49	0.535	1.398	0.394
08-10-95 18:00	13.29	**	**	1.394	**
08-10-95 19:00	13.22	12.54	0.508	1.405	0.387
08-10-95 20:00	13.34	12.57	0.490	1.407	0.379
08-10-95 21:00	13.29	12.60	0.461	1.406	0.378
08-10-95 22:00	13.38	12.66	0.464	1.419	0.380
08-10-95 23:00	13.13	12.55	0.458	1.468	0.393
*FINAL AVERAGE(s)	13.20	12.50	0.502	1.333	0.368

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/11/95 00:00 TO 08/12/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-11-95 00:00	13.29	12.24	0.468	1.480	0.504
08-11-95 01:00	13.20	12.59	0.484	1.497	0.406
08-11-95 02:00	13.29	12.59	0.501	1.488	0.407
08-11-95 03:00	13.29	12.65	0.509	1.516	0.414
08-11-95 04:00	13.38	12.66	0.517	1.558	0.429
08-11-95 05:00	13.31	12.67	0.527	1.597	0.441
08-11-95 06:00	13.36	12.65	0.523	1.621	0.450
08-11-95 07:00	13.31	12.64	0.508	1.646	0.462
08-11-95 08:00	13.37	12.66	0.499	1.670	0.466
08-11-95 09:00	13.34	12.67	0.500	1.684	0.466
08-11-95 10:00	13.44	12.71	0.493	1.710	0.474
08-11-95 11:00	13.34	12.67	0.484	1.705	0.473
08-11-95 12:00	13.27	12.56	0.491	1.672	0.467
08-11-95 13:00	13.03	12.40	0.562	1.582	0.441
08-11-95 14:00	13.14	12.46	0.549	1.579	0.437
08-11-95 15:00	13.20	12.55	0.508	1.682	0.465
08-11-95 16:00	13.35	12.62	0.497	1.699	0.475
08-11-95 17:00	13.33	12.64	0.496	1.705	0.480
08-11-95 18:00	13.46	12.72	0.494	1.704	0.480
08-11-95 19:00	13.39	12.73	0.496	1.694	0.473
08-11-95 20:00	13.45	12.76	0.495	1.689	0.464
08-11-95 21:00	13.36	12.75	0.490	1.692	0.464
08-11-95 22:00	13.36	12.70	0.476	1.697	0.464
08-11-95 23:00	13.30	12.67	0.478	1.693	0.464
*FINAL AVERAGE(s)	13.32	12.62	0.502	1.636	0.457

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/12/95 00:00 TO 08/13/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-12-95 00:00	13.40	12.63	0.482	1.700	0.478
08-12-95 01:00	13.20	12.64	0.480	1.699	0.477
08-12-95 02:00	13.26	12.57	0.485	1.707	0.479
08-12-95 03:00	13.21	12.56	0.484	1.713	0.485
08-12-95 04:00	13.23	12.53	0.484	1.722	0.492
08-12-95 05:00	13.14	12.50	0.485	1.722	0.494
08-12-95 06:00	13.25	12.57	0.495	1.723	0.494
08-12-95 07:00	13.23	12.64	0.498	1.711	0.495
08-12-95 08:00	13.35	12.72	0.509	1.712	0.482
08-12-95 09:00	13.31	12.71	0.507	1.715	0.482
08-12-95 10:00	13.39	12.68	0.498	1.722	0.485
08-12-95 11:00	13.35	12.68	0.498	1.727	0.489
08-12-95 12:00	13.43	12.68	0.501	1.721	0.489
08-12-95 13:00	13.31	12.67	0.503	1.717	0.488
08-12-95 14:00	13.39	12.67	0.509	1.710	0.485
08-12-95 15:00	13.27	12.60	0.508	1.716	0.486
08-12-95 16:00	13.28	12.56	0.507	1.712	0.484
08-12-95 17:00	13.22	12.54	0.514	1.708	0.483
08-12-95 18:00	13.34	12.59	0.492	1.703	0.482
08-12-95 19:00	13.26	12.64	0.486	1.703	0.478
08-12-95 20:00	13.33	12.63	0.488	1.691	0.473
08-12-95 21:00	13.24	12.63	0.479	1.686	0.479
08-12-95 22:00	13.28	12.59	0.472	1.687	0.487
08-12-95 23:00	13.25	12.64	0.483	1.694	0.492
*FINAL AVERAGE(s)	13.29	12.62	0.494	1.709	0.485

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/13/95 00:00 TO 08/14/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-13-95 00:00	13.33	12.49	0.483	1.702	0.502
08-13-95 01:00	13.22	12.63	0.488	1.714	0.497
08-13-95 02:00	13.35	12.64	0.493	1.715	0.479
08-13-95 03:00	13.33	12.72	0.495	1.714	0.475
08-13-95 04:00	13.37	12.68	0.489	1.706	0.473
08-13-95 05:00	13.25	12.62	0.492	1.693	0.473
08-13-95 06:00	13.30	12.61	0.483	1.686	0.478
08-13-95 07:00	13.25	12.63	0.480	1.687	0.480
08-13-95 08:00	13.42	12.72	0.475	1.686	0.482
08-13-95 09:00	13.38	12.73	0.462	1.696	0.486
08-13-95 10:00	13.51	12.74	0.448	1.715	0.493
08-13-95 11:00	13.49	12.78	0.451	1.733	0.496
08-13-95 12:00	13.54	12.76	0.478	1.743	0.496
08-13-95 13:00	13.47	12.80	0.471	1.751	0.492
08-13-95 14:00	13.50	12.70	0.461	1.752	0.489
08-13-95 15:00	13.41	12.68	0.447	1.752	0.495
08-13-95 16:00	13.49	12.66	0.439	1.759	0.499
08-13-95 17:00	13.45	12.71	0.446	1.765	0.502
08-13-95 18:00	13.51	12.72	0.447	1.759	0.491
08-13-95 19:00	13.46	12.77	0.443	1.755	0.467
08-13-95 20:00	13.54	12.77	0.444	1.752	0.459
08-13-95 21:00	13.46	12.81	0.432	1.750	0.458
08-13-95 22:00	13.50	12.75	0.434	1.741	0.455
08-13-95 23:00	13.43	12.80	0.430	1.743	0.456
*FINAL AVERAGE(s)	13.41	12.70	0.463	1.728	0.482

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/14/95 00:00 TO 08/15/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-14-95 00:00	13.50	12.72	**	1.749	0.466
08-14-95 01:00	13.29	14.22	**	1.751	0.458
08-14-95 02:00	13.42	12.58	0.499	1.743	0.481
08-14-95 03:00	13.37	12.69	0.487	1.742	0.475
08-14-95 04:00	13.44	12.67	0.498	1.740	0.476
08-14-95 05:00	13.40	12.73	0.496	1.744	0.478
08-14-95 06:00	13.46	12.74	0.500	1.755	0.484
08-14-95 07:00	13.36	12.72	0.496	1.762	0.489
08-14-95 08:00	13.47	12.73	0.502	1.767	0.492
08-14-95 09:00	13.41	12.75	0.477	1.778	0.498
08-14-95 10:00	13.49	12.74	0.479	1.787	0.504
08-14-95 11:00	13.44	12.75	0.471	1.784	0.506
08-14-95 12:00	13.55	12.76	0.469	1.775	0.502
08-14-95 13:00	13.50	12.78	0.467	1.764	0.493
08-14-95 14:00	13.57	12.77	0.467	1.762	0.479
08-14-95 15:00	13.40	12.66	0.490	1.764	0.467
08-14-95 16:00	13.43	12.60	0.499	1.761	0.458
08-14-95 17:00	13.40	12.62	0.517	1.758	0.461
08-14-95 18:00	13.54	12.68	0.525	1.757	0.463
08-14-95 19:00	13.44	12.72	0.525	1.753	0.456
08-14-95 20:00	13.47	12.67	0.517	1.744	0.462
08-14-95 21:00	13.37	12.66	0.509	1.736	0.464
08-14-95 22:00	13.46	12.66	0.550	1.741	0.466
08-14-95 23:00	13.32	12.61	0.516	1.747	0.467
*FINAL AVERAGE(s)	13.44	12.76	0.498	1.757	0.477

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/15/95 00:00 TO 08/16/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-15-95 00:00	13.33	12.26	**	1.740	0.572
08-15-95 01:00	13.29	14.15	**	1.722	0.454
08-15-95 02:00	13.43	12.55	0.491	1.720	0.463
08-15-95 03:00	13.41	12.67	0.482	1.731	0.457
08-15-95 04:00	13.44	12.65	0.503	1.743	0.458
08-15-95 05:00	13.36	12.67	0.505	1.741	0.457
08-15-95 06:00	13.42	12.65	0.495	1.739	0.455
08-15-95 07:00	13.30	12.61	0.510	1.728	0.458
08-15-95 08:00	13.39	12.65	0.512	1.726	0.482
08-15-95 09:00	13.34	12.70	0.497	1.729	0.485
08-15-95 10:00	13.29	12.57	0.491	1.732	0.489
08-15-95 11:00	13.27	12.56	0.528	1.726	0.481
08-15-95 12:00	13.36	12.58	0.530	1.728	0.472
08-15-95 13:00	13.31	12.51	0.343	1.725	0.466
08-15-95 14:00	13.40	12.35	0.535	1.723	0.463
08-15-95 15:00	13.38	12.49	0.519	1.727	0.471
08-15-95 16:00	13.44	12.64	0.536	1.730	0.468
08-15-95 17:00	13.34	12.67	0.516	1.733	0.466
08-15-95 18:00	13.43	12.63	0.509	1.730	0.466
08-15-95 19:00	13.34	12.70	0.518	1.727	0.468
08-15-95 20:00	13.42	12.67	0.515	1.730	0.464
08-15-95 21:00	13.34	12.68	0.512	1.730	0.463
08-15-95 22:00	13.40	12.61	0.520	1.734	0.464
08-15-95 23:00	13.32	12.66	0.493	1.728	0.462
*FINAL AVERAGE(s)	13.36	12.66	0.503	1.730	0.471

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/16/95 00:00 TO 08/17/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-16-95 00:00	13.43	12.60	0.501	1.728	0.469
08-16-95 01:00	13.31	12.71	0.510	1.716	0.463
08-16-95 02:00	13.41	12.69	0.524	1.715	0.459
08-16-95 03:00	13.27	12.65	0.519	1.719	0.461
08-16-95 04:00	13.37	12.63	0.525	1.715	0.461
08-16-95 05:00	13.31	12.67	0.528	1.723	0.467
08-16-95 06:00	13.39	12.68	0.526	1.722	0.463
08-16-95 07:00	13.33	12.58	0.524	1.720	0.484
08-16-95 08:00	13.37	12.62	0.535	1.717	0.484
08-16-95 09:00	13.38	11.63	0.518	1.718	0.502
08-16-95 10:00	13.46	12.32	0.529	1.717	0.503
08-16-95 11:00	13.39	12.71	0.561	1.722	0.479
08-16-95 12:00	13.46	12.74	0.543	1.732	0.483
08-16-95 13:00	13.40	12.68	0.575	1.726	0.482
08-16-95 14:00	13.38	12.62	0.579	1.718	0.479
08-16-95 15:00	13.25	12.47	0.598	1.710	0.477
08-16-95 16:00	13.33	12.57	0.595	1.715	0.479
08-16-95 17:00	13.31	12.62	0.555	1.720	0.480
08-16-95 18:00	13.40	12.61	0.555	1.730	0.481
08-16-95 19:00	13.35	12.69	0.538	1.732	0.476
08-16-95 20:00	13.45	12.70	0.517	1.725	0.478
08-16-95 21:00	13.36	12.69	0.499	1.714	0.476
08-16-95 22:00	13.48	12.71	0.499	1.714	0.476
08-16-95 23:00	13.33	12.67	0.497	1.711	0.476
*FINAL AVERAGE(s)	13.37	12.59	0.535	1.720	0.477

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/17/95 00:00 TO 08/18/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-17-95 00:00	13.43	12.63	**	1.717	0.485
08-17-95 01:00	13.24	13.92	**	1.718	0.464
08-17-95 02:00	13.35	12.54	0.575	1.702	0.479
08-17-95 03:00	13.27	12.62	0.560	1.707	0.479
08-17-95 04:00	13.28	12.55	0.517	1.716	0.476
08-17-95 05:00	13.20	12.56	0.547	1.733	0.474
08-17-95 06:00	13.41	12.70	0.544	1.727	0.485
08-17-95 07:00	13.30	12.68	0.534	1.732	0.483
08-17-95 08:00	13.22	12.55	0.537	1.759	0.489
08-17-95 09:00	13.18	12.53	0.525	1.790	0.500
08-17-95 10:00	13.19	12.47	0.560	1.859	0.525
08-17-95 11:00	13.27	12.57	0.572	1.969	0.538
08-17-95 12:00	13.42	12.62	0.573	2.086	0.560
08-17-95 13:00	13.37	12.66	0.558	2.140	0.552
08-17-95 14:00	13.45	12.56	0.538	2.156	0.560
08-17-95 15:00	13.39	12.63	0.547	2.167	0.561
08-17-95 16:00	13.51	12.56	0.559	2.187	0.576
08-17-95 17:00	13.38	12.61	0.588	2.196	0.574
08-17-95 18:00	13.44	12.60	0.598	2.166	0.565
08-17-95 19:00	13.33	12.61	0.601	2.112	0.547
08-17-95 20:00	13.42	12.51	0.602	2.067	0.543
08-17-95 21:00	13.30	12.59	0.597	2.039	0.533
08-17-95 22:00	13.24	12.49	0.551	2.029	0.524
08-17-95 23:00	13.26	12.58	0.520	2.029	0.526
*FINAL AVERAGE(s)	13.33	12.64	0.559	1.938	0.521

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/18/95 00:00 TO 08/19/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-18-95 00:00	13.32	12.46	0.516	2.039	0.536
08-18-95 01:00	13.22	12.57	0.519	2.061	0.538
08-18-95 02:00	13.44	12.63	0.522	2.101	0.561
08-18-95 03:00	13.27	12.63	0.547	2.128	0.549
08-18-95 04:00	13.41	12.67	0.531	2.165	0.564
08-18-95 05:00	13.34	12.69	0.527	2.190	0.575
08-18-95 06:00	13.38	12.67	0.518	2.209	0.584
08-18-95 07:00	13.29	12.59	0.513	2.220	0.585
08-18-95 08:00	13.35	12.63	**	2.235	0.587
08-18-95 09:00	13.29	**	**	2.248	**
08-18-95 10:00	13.35	12.46	0.459	2.259	0.577
08-18-95 11:00	13.32	12.47	0.463	2.269	0.589
08-18-95 12:00	13.41	12.52	0.468	2.272	0.596
08-18-95 13:00	13.36	12.46	0.487	2.272	0.562
08-18-95 14:00	13.43	12.56	0.494	2.277	0.550
08-18-95 15:00	13.35	12.60	0.489	2.276	0.555
08-18-95 16:00	13.45	12.59	0.488	2.267	0.546
08-18-95 17:00	13.38	12.63	0.489	2.268	0.544
08-18-95 18:00	13.47	12.64	0.490	2.282	0.560
08-18-95 19:00	13.36	12.63	0.491	2.305	0.561
08-18-95 20:00	13.44	12.62	0.489	2.332	0.565
08-18-95 21:00	13.19	12.51	0.495	2.368	0.579
08-18-95 22:00	13.35	12.56	0.475	2.405	0.579
08-18-95 23:00	13.20	12.51	0.485	2.418	0.575
*FINAL AVERAGE(s)	13.35	12.58	0.498	2.244	0.566

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

St. Johns Unit 1

Daily Summary

FROM 08/19/95 00:00 TO 08/20/95 00:00

Date/ Time	1inCO2_C %	1outCO2_C %	1outNOX_MM #/M	1inSO2_MM #/M	1outSO2_MM #/M
-19-95 00:00	13.00	12.31	0.501	2.428	0.581
08-19-95 01:00	13.00	12.33	0.512	2.443	0.582
08-19-95 02:00	13.18	12.39	0.505	2.453	0.572
08-19-95 03:00	13.08	12.35	0.493	2.455	0.563
08-19-95 04:00	13.20	12.41	0.483	2.462	0.563
08-19-95 05:00	13.10	12.41	0.481	2.472	0.563
08-19-95 06:00	13.16	12.38	0.490	2.481	0.560
08-19-95 07:00	13.12	12.45	0.496	2.494	0.560
08-19-95 08:00	13.11	12.41	0.490	2.504	0.566
08-19-95 09:00	13.03	12.37	0.467	2.504	0.559
08-19-95 10:00	13.09	12.32	0.505	2.499	0.560
08-19-95 11:00	13.01	12.31	0.489	2.507	0.557
08-19-95 12:00	13.38	12.61	0.435	2.519	0.560
08-19-95 13:00	13.47	12.77	0.431	2.518	0.580
08-19-95 14:00	13.57	12.78	0.436	2.489	0.564
08-19-95 15:00	13.52	12.80	0.435	2.457	0.558
08-19-95 16:00	13.59	12.80	0.437	2.406	0.531
08-19-95 17:00	13.49	12.86	0.451	2.332	0.504
08-19-95 18:00	13.49	12.81	0.458	2.253	0.489
08-19-95 19:00	13.45	12.85	0.454	2.180	0.498
08-19-95 20:00	13.48	12.74	0.464	2.115	0.520
08-19-95 21:00	13.38	12.75	0.456	2.052	0.509
08-19-95 22:00	13.47	12.74	0.455	2.010	0.493
08-19-95 23:00	13.38	12.81	0.452	1.986	0.494
*FINAL AVERAGE(s)	13.28	12.57	0.470	2.376	0.545

*FINAL AVERAGE -- Summation of AVERAGING PERIODS excluding INVALID PERIODS

Company: St. Johns Unit 1
Source : Unit 1 7-18-95

Location:
Channel : 1Opacity Units: %

00:00	5.5	5.5	5.9	5.3	6.6	5.7	5.5	6.0	5.5	11.7ZC	Avg:	5.7 9
01:00	15.9SC	5.8	6.1	5.8	6.1	5.2	5.8	6.5	5.2	5.3	Avg:	5.8 9
02:00	5.6	5.3	5.7	5.8	5.4	6.2	6.1	6.1	5.3	5.0	Avg:	5.6 10
03:00	5.5	5.2	5.2	4.9	5.3	5.3	5.0	5.1	5.4	5.0	Avg:	5.2 10
04:00	5.3	4.9	5.2	5.8	5.6	5.7	5.3	5.4	5.8	4.8	Avg:	5.3 10
05:00	5.8	5.6	5.0	5.3	5.3	5.6	5.4	5.0	5.2	5.3	Avg:	5.4 10
06:00	5.3	5.5	5.3	5.9	5.5	5.7	7.3	5.7	6.2	5.8	Avg:	5.8 10
07:00	5.6	6.0	5.1	5.1	5.3	5.8	5.8	5.6	5.5	5.9	Avg:	5.6 10
08:00	5.5	5.7	5.5	5.8	5.8	5.2	5.6	5.4	5.5	5.6	Avg:	5.6 10
09:00	5.4	5.5	5.4	5.1	5.4	5.3	5.2	5.6	5.3	5.5	Avg:	5.4 10
10:00	5.7	5.9	5.3	5.6	5.6	5.4	5.4	5.4	5.5	5.4	Avg:	5.5 10
11:00	5.2	5.2	5.8	5.4	5.6	5.4	5.5	5.5	5.4	5.4	Avg:	5.4 10
12:00	5.4	5.7	5.7	5.5	6.3	5.9	5.8	5.6	5.7	5.9	Avg:	5.8 10
13:00	5.7	5.3	5.5	5.9	5.7	6.0	6.2	6.1	5.6	5.7	Avg:	5.8 10
14:00	5.9	5.7	5.7	6.2	5.9	5.9	6.1	5.6	5.8	6.4	Avg:	5.9 10
15:00	6.3	5.7	6.0	5.8	6.2	6.1	6.2	6.1	6.3	6.6	Avg:	6.1 10
16:00	6.4	6.7	6.4	6.4	6.7	6.3	6.1	6.7	6.3	6.2	Avg:	6.4 10
17:00	6.3	6.1	6.1	6.7	6.4	6.6	6.2	6.3	6.0	6.1	Avg:	6.3 10
18:00	5.7	6.2	6.1	5.9	6.0	6.1	6.1	6.3	6.0	5.9	Avg:	6.0 10
19:00	6.0	6.1	6.1	5.9	6.6	6.1	6.0	6.0	5.9	5.9	Avg:	6.1 10
20:00	5.8	5.7	6.1	5.9	6.2	6.1	5.6	5.7	5.5	5.8	Avg:	5.8 10
21:00	5.9	6.0	5.6	5.8	5.9	5.6	5.5	6.0	5.2	5.5	Avg:	5.7 10
22:00	5.7	5.5	6.4	6.4	5.9	5.7	5.7	5.8	5.7	5.7	Avg:	5.8 10
23:00	6.0	5.4	5.4	5.5	5.5	5.9	6.0	5.7	5.9	5.9	Avg:	5.7 10

Daily Average: 5.7 Count: 238

Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

7/19-95

00:00	6.1	5.7	5.7	5.8	6.0	6.2	5.7	6.6	6.0	10.7ZC	Avg:	6.0 9
01:00	16.7SC	5.8	5.8	6.8	5.7	5.5	5.8	5.6	5.7	5.5	Avg:	5.8 9
02:00	5.7	5.8	5.7	5.9	5.7	5.7	5.6	5.5	5.6	5.9	Avg:	5.7 10
03:00	5.4	5.5	5.6	6.3	5.8	5.4	6.1	5.7	5.6	5.7	Avg:	5.7 10
04:00	5.7	6.4	5.7	5.8	5.7	6.0	6.1	5.7	5.7	5.7	Avg:	5.8 10
05:00	6.2	5.5	5.7	5.9	5.5	5.5	5.8	5.8	5.5	5.8	Avg:	5.7 10
06:00	5.3	5.5	5.4	5.8	5.5	5.5	5.5	5.7	5.5	5.3	Avg:	5.5 10
07:00	5.4	5.8	5.8	6.2	6.0	5.4	5.9	5.9	5.6	5.5	Avg:	5.7 10
08:00	5.7	5.6	5.7	5.7	5.8	5.5	5.7	5.7	5.3	5.6	Avg:	5.6 10
09:00	5.4	6.2	5.4	5.0	5.5	5.9	6.3	5.3	5.0	5.3	Avg:	5.5 10
10:00	5.2	5.0	5.1	5.2	5.4	5.0	4.9	5.6	5.5	5.7	Avg:	5.3 10
11:00	5.8	5.8	6.1	5.7	5.5	5.7	5.6	5.6	5.5	5.9	Avg:	5.7 10
12:00	5.5	5.6	5.6	5.6	5.5	5.4	5.3	5.2	5.3	5.2	Avg:	5.4 10
13:00	5.3	5.7	5.6	5.3	5.5	5.4	5.5	5.4	5.4	5.5	Avg:	5.4 10
14:00	5.8	5.5	5.3	5.4	5.7	5.8	5.7	5.5	5.6	5.5	Avg:	5.6 10
15:00	5.5	5.6	5.5	5.6	5.4	5.4	5.6	5.7	5.6	5.5	Avg:	5.5 10
16:00	5.5	5.9	5.7	6.0	5.7	5.8	5.8	5.7	5.8	6.1	Avg:	5.8 10
17:00	6.3	6.3	6.0	6.1	6.2	6.3	6.0	6.1	6.1	6.1	Avg:	6.1 10
18:00	6.2	6.3	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	Avg:	6.1 10
19:00	6.1	5.8	6.0	6.1	5.9	5.9	6.0	6.2	5.9	5.8	Avg:	6.0 10
20:00	6.0	5.8	5.9	6.0	5.8	6.4	6.0	5.8	5.9	5.9	Avg:	5.9 10
21:00	5.9	5.8	5.6	5.7	5.8	5.6	5.6	5.8	6.3	6.0	Avg:	5.8 10
22:00	5.8	5.8	5.7	6.0	5.7	5.9	7.1	5.8	5.6	5.8	Avg:	5.9 10
23:00	5.8	5.8	5.7	5.6	5.9	5.7	5.6	5.4	5.7	5.7	Avg:	5.7 10

Daily Average: 5.7 Count: 238

Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %
7-20-95

00:00	5.5	5.3	5.7	5.7	6.1	5.6	5.4	5.5	5.5	10.1ZC	Avg:	5.6 9
01:00	10.9SC	5.3	5.6	5.2	5.3	5.7	5.6	5.5	5.3	5.5	Avg:	5.4 9
02:00	5.6	5.6	5.5	5.5	5.6	5.6	5.3	5.6	5.7	5.5	Avg:	5.5 10
03:00	5.7	5.5	5.7	5.8	5.7	5.6	5.5	5.5	6.2	5.7	Avg:	5.7 10
04:00	5.9	6.1	5.7	6.5	5.7	6.3	5.9	6.2	6.3	6.1	Avg:	6.1 10
05:00	5.7	6.3	6.3	6.8	6.3	5.8	6.4	5.8	5.9	5.9	Avg:	6.1 10
06:00	5.6	6.4	5.3	5.5	5.8	6.0	6.9	6.3	6.4	7.1	Avg:	6.1 10
07:00	6.1	6.5	6.5	6.8	7.5	6.4	7.1	7.5	6.7	6.9	Avg:	6.8 10
08:00	6.1	7.1	6.4	6.4	7.2	17.0	7.0	7.0	7.3	10.8	Avg:	8.2 10
09:00	7.0	6.5	6.2	6.7	6.4	6.5	6.6	6.0	6.2	6.3	Avg:	6.4 10
10:00	5.7	6.8	6.6	6.7	6.6	6.9	6.9	6.6	7.0	6.4	Avg:	6.6 10
11:00	6.0	6.6	6.8	6.2	6.2	6.1	6.5	6.0	6.3	6.4	Avg:	6.3 10
12:00	5.9	6.3	6.5	6.5	6.3	6.1	6.6	6.6	6.2	6.4	Avg:	6.3 10
13:00	7.2	6.6	6.6	6.4	6.8	6.5	6.4	6.8	6.6	6.5	Avg:	6.6 10
14:00	6.4	6.4	6.3	6.3	6.6	6.6	6.6	6.7	7.0	6.8	Avg:	6.6 10
15:00	7.1	7.0	6.9	7.3	7.1	7.5	7.4	7.0	7.0	7.0	Avg:	7.1 10
16:00	7.1	6.8	7.3	7.5	7.4	7.2	7.3	7.1	6.8	6.9	Avg:	7.1 10
17:00	7.0	7.1	7.2	7.4	7.2	7.1	7.2	7.1	7.8	7.0	Avg:	7.2 10
18:00	7.0	7.3	6.8	7.1	7.0	6.9	7.2	7.3	7.0	6.8	Avg:	7.1 10
19:00	7.0	7.0	6.6	7.4	7.3	6.7	7.1	6.7	7.0	6.8	Avg:	7.0 10
20:00	6.7	6.4	6.3	6.7	6.6	6.3	6.5	6.7	6.6	6.1	Avg:	6.5 10
21:00	6.5	6.5	6.6	6.2	6.4	6.0	6.6	6.5	5.9	6.3	Avg:	6.4 10
22:00	6.4	6.4	6.4	6.2	6.4	6.5	6.4	6.6	6.4	6.7	Avg:	6.5 10
23:00	6.6	6.8	6.7	6.8	6.3	6.7	6.8	7.0	6.4	6.2	Avg:	6.6 10

Daily Average: 6.5 Count: 238 Max: 17.0

SO_2, CO_2, NOx 1215-1300 CAL. DRAWG. [illegible]

Company: St. Johns Unit 1 Location:
Source : Unit 1 9-5-95 Channel : 1Opacity Units: %

00:00	6.5	6.9	6.7	5.6	6.8	6.7	5.0	6.9	6.8	5.2	Avg:	6.3 10
01:00	9.8ZC	17.7SC	6.8	5.7	7.1	6.6	4.6	6.5	6.5	4.7	Avg:	6.1 8
02:00	6.2	7.3	5.8	5.9	6.4	7.1	4.8	7.1	6.9	4.8	Avg:	6.2 10
03:00	6.6	6.9	6.1	5.8	7.1	6.8	5.1	7.5	6.9	5.0	Avg:	6.4 10
04:00	6.2	7.1	5.9	5.6	6.5	7.2	4.7	6.9	6.7	5.1	Avg:	6.2 10
05:00	6.5	6.9	5.6	6.2	6.8	6.7	4.6	7.0	6.7	4.8	Avg:	6.2 10
06:00	6.4	6.9	5.9	5.6	7.0	6.8	5.3	6.8	6.5	4.8	Avg:	6.2 10
07:00	6.7	6.8	5.3	6.3	6.9	6.7	5.2	6.7	6.8	4.9	Avg:	6.2 10
08:00	7.0	7.3	5.3	6.9	7.1	6.5	5.2	7.1	7.2	5.0	Avg:	6.5 10
09:00	6.7	7.1	5.1	6.6	7.0	6.4	5.1	7.2	6.8	4.9	Avg:	6.3 10
10:00	6.7	6.9	5.5	6.5	6.8	6.4	5.2	7.2	6.9	5.0	Avg:	6.3 10
11:00	7.0	7.1	5.4	6.7	7.3	7.1	5.4	7.3	6.9	4.9	Avg:	6.5 10
12:00	7.6	7.1	5.2	6.8	7.6	6.4	6.1	6.8	6.9	4.9	Avg:	6.5 10
13:00	7.6	7.5	5.2	6.6	8.0	6.2	6.1	7.0	7.4	5.1	Avg:	6.7 10
14:00	7.6	7.1	5.4	6.7	7.1	5.9	6.0	7.1	7.0	4.8	Avg:	6.5 10
15:00	7.2	7.0	5.1	6.4	6.8	6.1	5.7	7.2	7.3	5.1	Avg:	6.4 10
16:00	6.9	7.1	5.9	7.4	7.9	6.4	6.0	7.5	7.7	5.4	Avg:	6.8 10
17:00	7.6	7.5	5.7	7.2	7.9	6.8	6.4	6.1	6.4	6.7	Avg:	6.8 10
18:00	6.2	6.8	6.2	6.5	6.5	6.4	5.9	6.0	6.3	6.5	Avg:	6.3 10
19:00	6.0	5.7	5.9	6.0	5.9	6.1	5.7	5.6	6.0	6.1	Avg:	5.9 10
20:00	6.0	6.0	6.0	6.1	5.6	6.0	5.9	5.8	5.8	5.6	Avg:	5.9 10
21:00	5.5	5.8	6.0	5.6	5.2	5.1	5.2	5.5	5.5	5.5	Avg:	5.5 10
22:00	5.2	5.4	5.3	5.6	5.8	5.5	5.3	5.0	5.4	5.9	Avg:	5.5 10
23:00	5.4	5.2	5.4	5.5	5.3	5.4	5.8	5.6	5.7	5.2	Avg:	5.5 10

Daily Average: 6.2 Count: 238 Max: 8.0

NOx >5<10 0007 - 0430 [redacted] APP.B PART 75

SO2, CO2 [redacted] NOx 0300 - 0345 OTHER

Company: St. Johns Unit 1 Location:
Source : Unit 1 5-9-95 Channel : 1Opacity Units: %

00:00	5.2	5.7	5.2	5.2	5.7	6.0	5.5	5.4	5.4	5.8	Avg:	5.5 10
01:00	9.9ZC	16.4SC	5.5	5.7	6.1	5.6	5.7	5.8	5.5	5.5	Avg:	5.7 8
02:00	5.1	6.3	5.6	5.6	5.8	5.7	5.6	5.3	5.7	5.5	Avg:	5.6 10
03:00	5.8	5.4	5.4	5.8	5.4	5.4	5.6	5.7	5.7	6.0	Avg:	5.6 10
04:00	6.1	6.0	5.5	5.7	5.8	5.6	5.9	5.8	5.8	5.8	Avg:	5.8 10
05:00	6.0	5.4	5.9	5.7	5.8	6.5	6.1	5.5	6.1	6.1	Avg:	5.9 10
06:00	6.1	6.3	5.6	5.8	5.5	5.5	5.6	5.6	6.5	6.1	Avg:	5.9 10
07:00	5.8	5.6	5.8	5.4	5.9	5.5	5.6	5.7	5.8	6.2	Avg:	5.7 10
08:00	5.8	5.5	5.9	6.0	6.2	5.8	5.7	6.3	5.7	6.2	Avg:	5.9 10
09:00	5.8	5.8	5.9	5.5	5.9	6.5	6.2	6.3	6.0	6.3	Avg:	6.0 10
10:00	5.8	5.8	6.0	5.6	5.5	6.0	5.8	6.8	6.0	6.2	Avg:	6.0 10
11:00	6.0	6.0	6.4	5.8	5.6	6.0	6.0	5.9	6.2	6.2	Avg:	6.0 10
12:00	6.2	5.9	5.9	6.1	5.8	6.1	6.1	6.0	6.1	5.9	Avg:	6.0 10
13:00	6.0	5.9	6.1	6.3	6.3	6.3	6.5	6.3	6.4	6.4	Avg:	6.2 10
14:00	6.2	7.1	6.0	6.1	5.8	6.0	6.2	7.4	6.1	6.1	Avg:	6.3 10
15:00	6.2	6.1	5.9	7.0	6.0	6.1	6.3	5.8	6.0	6.2	Avg:	6.2 10
16:00	5.9	6.2	6.1	6.3	6.7	5.9	6.3	6.2	6.5	5.9	Avg:	6.2 10
17:00	6.5	6.0	6.7	6.3	6.2	6.6	6.9	6.3	5.9	6.2	Avg:	6.4 10
18:00	6.0	6.6	6.3	6.4	6.2	5.8	5.8	6.0	6.3	6.2	Avg:	6.2 10
19:00	6.1	6.1	5.9	5.9	5.8	6.0	6.0	6.3	5.7	6.0	Avg:	6.0 10
20:00	5.9	5.8	5.9	5.7	6.2	5.9	6.0	6.0	6.1	5.7	Avg:	5.9 10
21:00	5.9	5.6	6.1	6.3	6.0	5.7	6.0	6.2	6.0	5.9	Avg:	6.0 10
22:00	6.0	5.5	6.1	6.1	5.9	6.3	6.2	6.2	6.0	5.8	Avg:	6.0 10
23:00	6.1	6.0	5.8	6.1	5.9	6.1	5.9	5.9	6.3	6.5	Avg:	6.1 10

Daily Average: 6.0 Count: 238 Max: (7.4)

NOx 0807-0415 APP. B - PART 75

Pollution Monitor Daily Report V4.1 08/10/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	6.3	5.8	5.7	5.8	5.8	6.2	6.1	6.1	5.8	6.0	Avg:	6.0 10
01:00	14.5IC	11.6SC	6.3	5.8	5.6	5.9	5.4	6.0	5.8	5.9	Avg:	5.9 8
02:00	6.9	6.1	6.0	5.6	6.0	5.8	5.8	5.5	6.1	5.3	Avg:	5.9 10
03:00	6.8	5.7	5.7	5.7	5.4	5.7	5.6	5.5	5.9	5.4	Avg:	5.7 10
04:00	5.7	5.6	5.6	5.6	5.9	5.7	5.7	5.6	5.7	5.7	Avg:	5.7 10
05:00	5.6	6.2	5.6	5.9	6.0	5.9	6.0	5.4	5.3	6.2	Avg:	5.8 10
06:00	5.5	5.5	5.5	5.9	6.1	5.9	5.7	6.1	5.9	5.9	Avg:	5.8 10
07:00	5.8	6.1	6.0	5.8	5.9	5.6	5.7	5.8	5.7	5.8	Avg:	5.8 10
08:00	5.7	5.7	6.3	5.8	6.2	5.8	5.8	5.7	5.8	6.4	Avg:	5.9 10
09:00	5.7	5.7	5.8	5.9	5.5	5.9	5.8	5.8	5.5	5.9	Avg:	5.7 10
10:00	5.7	5.5	6.0	5.8	5.8	6.1	5.9	6.0	6.3	6.7	Avg:	6.0 10
11:00	6.4	6.2	6.3	5.8	6.0	6.1	6.0	6.1	6.3	6.3	Avg:	6.1 10
12:00	6.3	6.7	6.3	5.9	6.2	6.1	5.8	6.1	5.6	6.3	Avg:	6.1 10
13:00	5.9	5.7	6.1	6.2	6.2	6.1	6.0	6.2	6.0	6.8	Avg:	6.1 10
14:00	6.4	6.2	5.9	6.0	5.9	5.9	5.8	5.9	5.8	6.0	Avg:	6.0 10
15:00	5.8	5.8	6.2	6.0	6.5	6.2	6.3	6.4	6.4	6.2	Avg:	6.2 10
16:00	6.2	6.5	6.8	6.7	7.3	6.9	6.5	6.6	6.4	6.4	Avg:	6.6 10
17:00	6.8	6.7	6.5	6.9	6.5	6.7	6.9	6.8	6.7	6.6	Avg:	6.7 10
18:00	6.4	6.5	6.5	6.5	6.4	6.6	6.7	7.0	6.6	6.2	Avg:	6.5 10
19:00	6.5	6.8	6.3	6.5	6.7	6.2	6.3	6.2	7.1	6.4	Avg:	6.5 10
20:00	6.7	6.7	6.6	6.7	6.8	6.7	6.5	6.8	6.5	6.5	Avg:	6.6 10
21:00	7.1	6.7	6.7	6.8	6.2	6.3	6.6	6.7	6.2	6.2	Avg:	6.5 10
22:00	6.6	6.2	6.3	6.6	6.5	6.6	6.1	6.6	5.9	6.2	Avg:	6.4 10
23:00	6.4	5.8	6.1	6.4	6.4	7.7	6.6	6.6	6.6	6.1	Avg:	6.5 10

Daily Average: 6.1 Count: 238 Max: 7.7

SO_2 1315 - 1330 A.E.
NOx 1615 - 1645 A.E.
SO_2, CO_2, VOX 1300 - 1315 A.E.

Pollution Monitor Daily Report V4.1 08/11/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	6.4	6.2	6.0	6.7	6.2	6.3	6.5	6.3	6.6	5.9IC	Avg:	6.3 9
01:00	13.2IC	11.1SC	5.8	6.0	6.1	6.1	6.0	5.5	5.4	6.4	Avg:	5.9 8
02:00	5.9	6.8	5.8	6.1	5.8	5.8	6.1	5.3	5.6	5.5	Avg:	5.9 10
03:00	5.6	5.8	6.1	6.0	6.1	5.7	5.7	5.5	5.6	6.1	Avg:	5.8 10
04:00	5.5	5.8	5.8	6.2	6.4	5.7	5.8	5.8	5.9	6.1	Avg:	5.9 10
05:00	5.8	5.9	5.9	5.9	6.2	6.2	5.7	6.3	5.7	5.6	Avg:	5.9 10
06:00	6.4	5.8	6.3	5.8	5.8	5.8	5.9	5.8	6.1	6.1	Avg:	6.0 10
07:00	5.9	5.9	5.9	6.0	5.7	5.8	5.4	5.8	5.6	5.6	Avg:	5.8 10
08:00	6.2	5.8	5.6	6.2	5.5	5.9	5.3	5.4	5.8	5.7	Avg:	5.7 10
09:00	6.2	5.5	5.9	6.2	5.6	5.8	5.9	5.6	5.9	5.7	Avg:	5.8 10
10:00	5.9	5.7	5.3	5.6	5.2	5.6	5.6	5.3	5.7	6.3	Avg:	5.6 10
11:00	6.2	6.5	5.9	6.0	5.8	5.7	6.2	5.9	5.8	6.2	Avg:	6.0 10
12:00	6.1	6.3	5.5	5.8	5.9	6.0	5.8	5.8	5.8	6.2	Avg:	5.9 10
13:00	6.4	6.3	6.6	6.5	6.8	6.3	6.6	6.5	6.0	6.3	Avg:	6.4 10
14:00	6.4	6.0	6.3	6.0	6.3	5.9	6.2	6.5	6.0	6.3	Avg:	6.2 10
15:00	5.9	5.9	6.3	6.0	6.0	6.1	6.1	6.1	6.1	6.2	Avg:	6.1 10
16:00	5.9	6.2	6.0	6.1	6.0	6.4	6.1	6.3	6.2	6.2	Avg:	6.1 10
17:00	5.9	6.4	6.3	6.5	6.6	6.3	6.7	6.6	6.4	6.2	Avg:	6.4 10
18:00	6.2	6.2	6.3	6.5	6.5	6.5	6.5	6.4	6.1	6.4	Avg:	6.4 10
19:00	6.2	6.2	6.2	6.0	6.3	6.0	6.0	6.6	6.5	6.3	Avg:	6.2 10
20:00	6.4	6.1	6.3	5.9	6.1	6.2	6.1	6.2	6.0	6.1	Avg:	6.1 10
21:00	6.1	6.3	6.1	5.9	5.9	6.2	5.9	6.5	5.7	6.4	Avg:	6.1 10
22:00	5.8	5.7	6.3	5.8	5.7	6.0	5.7	5.6	5.7	5.5	Avg:	5.8 10
23:00	6.1	5.8	5.9	6.0	5.8	5.9	6.0	5.8	5.9	6.0	Avg:	5.9 10

Daily Average: 6.0 Count: 237 Max: 6.8

Pollution Monitor Daily Report V4.1 08/12/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	5.6	5.8	6.1	5.9	6.0	6.2	5.8	5.9	6.1	11.6IC	Avg:	5.9 9
01:00	13.2IC	12.2SC	6.6	7.0	6.2	6.1	6.2	5.9	6.2	6.3	Avg:	6.3 8
02:00	6.0	6.3	5.9	6.1	6.1	5.9	6.5	5.8	6.2	6.3	Avg:	6.1 10
03:00	5.8	6.6	5.7	6.4	6.3	5.7	6.0	5.7	5.3	5.9	Avg:	5.9 10
04:00	5.6	6.1	6.3	5.8	5.9	5.8	5.8	5.1	5.4	5.8	Avg:	5.8 10
05:00	5.5	6.0	5.8	5.6	6.0	5.3	5.8	5.4	5.4	5.9	Avg:	5.7 10
06:00	5.7	5.8	6.1	5.7	6.2	5.7	6.0	5.6	5.5	5.8	Avg:	5.8 10
07:00	5.7	5.5	5.6	6.1	5.9	5.4	5.8	6.0	5.6	5.8	Avg:	5.7 10
08:00	6.1	5.6	6.1	5.4	5.5	5.9	5.2	6.1	5.5	5.6	Avg:	5.7 10
09:00	5.9	5.6	6.9	6.1	5.5	6.0	5.5	5.6	5.8	5.3	Avg:	5.8 10
10:00	5.4	5.4	5.6	5.5	5.2	5.9	5.5	5.8	5.8	5.5	Avg:	5.6 10
11:00	7.7	5.5	5.7	5.7	5.8	5.9	5.7	5.8	5.9	5.6	Avg:	5.9 10
12:00	6.5	5.8	5.5	6.1	5.4	5.6	5.7	5.8	5.6	5.8	Avg:	5.8 10
13:00	5.8	6.0	5.5	5.7	5.6	5.9	6.4	5.9	6.8	6.9	Avg:	6.1 10
14:00	5.8	6.1	6.0	6.0	6.1	6.1	6.9	6.4	6.1	6.4	Avg:	6.2 10
15:00	6.4	6.2	6.1	6.3	6.5	6.4	6.4	6.5	6.1	6.3	Avg:	6.3 10
16:00	6.4	6.5	6.4	6.3	6.4	6.3	6.4	6.4	6.0	6.4	Avg:	6.3 10
17:00	6.1	6.1	6.6	6.1	6.3	6.4	6.7	7.1	6.3	6.4	Avg:	6.4 10
18:00	6.3	6.2	6.1	6.0	6.0	6.3	6.1	6.3	6.0	5.7	Avg:	6.1 10
19:00	6.2	5.8	6.1	6.0	6.1	6.4	6.5	6.0	6.4	6.3	Avg:	6.2 10
20:00	6.3	6.1	5.7	6.1	5.8	6.1	6.1	5.5	5.7	6.0	Avg:	6.0 10
21:00	6.3	6.2	6.0	6.2	6.1	6.0	6.7	6.4	6.1	6.6	Avg:	6.3 10
22:00	6.2	6.0	5.9	6.6	6.4	6.1	5.8	5.4	5.6	5.9	Avg:	6.0 10
23:00	5.8	5.8	5.7	5.8	6.3	5.7	6.1	6.0	5.9	6.0	Avg:	5.9 10

Daily Average: 6.0 Count: 237 Max: 7.7

Pollution Monitor Daily Report V4.1 08/13/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	5.7	6.0	5.9	5.5	5.9	6.0	5.5	6.3	5.3	11.1IC	Avg:	5.8	9
01:00	11.8IC	10.9SC	6.1	5.9	6.3	6.8	5.8	6.6	6.6	6.1	Avg:	6.3	8
02:00	5.5	6.0	6.5	5.8	5.7	6.1	5.6	5.8	5.5	5.8	Avg:	5.8	10
03:00	6.0	5.7	5.7	6.5	6.0	6.1	5.9	6.3	6.1	6.0	Avg:	6.0	10
04:00	5.8	5.7	5.7	5.7	5.8	5.9	5.6	5.7	5.6	5.3	Avg:	5.7	10
05:00	5.7	5.5	5.3	5.8	5.5	5.6	6.3	5.9	6.1	6.0	Avg:	5.8	10
06:00	5.9	5.6	5.3	5.7	6.2	5.6	5.5	5.4	5.3	5.7	Avg:	5.6	10
07:00	6.0	5.7	6.0	6.8	6.4	6.4	6.3	6.2	6.4	6.2	Avg:	6.2	10
08:00	6.0	6.1	6.2	6.8	6.4	5.9	5.8	6.3	6.1	6.0	Avg:	6.2	10
09:00	5.9	6.0	5.9	6.1	6.3	6.0	6.2	6.0	6.3	6.0	Avg:	6.1	10
10:00	6.2	5.9	5.9	6.0	5.8	5.7	6.2	5.7	5.7	6.0	Avg:	5.9	10
11:00	5.9	6.4	5.9	5.6	5.7	6.1	6.3	5.7	6.0	6.3	Avg:	6.0	10
12:00	5.9	6.2	6.0	5.9	6.2	6.1	5.8	5.8	5.8	6.1	Avg:	6.0	10
13:00	5.9	6.7	6.0	6.1	6.6	6.0	6.3	7.1	6.4	7.7	Avg:	6.5	10
14:00	7.0	6.6	6.7	6.4	6.4	7.0	6.6	6.6	6.8	6.6	Avg:	6.7	10
15:00	7.0	6.6	7.1	6.8	6.8	6.7	6.6	6.9	6.6	6.7	Avg:	6.8	10
16:00	7.5	7.1	7.1	7.3	6.8	6.7	7.5	7.0	6.8	6.9	Avg:	7.1	10
17:00	6.9	6.8	6.8	7.1	6.5	7.0	7.3	6.5	7.0	6.6	Avg:	6.9	10
18:00	6.9	6.7	6.7	6.8	6.6	6.9	6.9	6.7	6.8	7.0	Avg:	6.8	10
19:00	7.0	6.8	6.5	6.6	6.9	6.3	6.7	6.9	6.9	6.8	Avg:	6.7	10
20:00	6.5	6.7	6.5	6.5	6.4	6.6	6.3	6.8	6.4	6.5	Avg:	6.5	10
21:00	6.7	6.3	6.6	6.0	6.5	6.3	6.3	6.5	6.3	6.5	Avg:	6.4	10
22:00	6.4	6.2	6.6	6.3	6.3	6.2	6.3	5.9	6.1	6.5	Avg:	6.3	10
23:00	6.2	5.7	5.9	5.8	6.2	6.7	6.2	5.7	6.8	6.3	Avg:	6.1	10

Daily Average: 6.3 Count: 237 Max: 7.7

NOx 0007-2400 [redacted] (App.F.-P.
>10%

Pollution Monitor Daily Report V4.1 08/14/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	6.7	6.5	5.5	5.6	5.8	5.5	6.4	6.3	6.1	11.6IC	Avg:	6.1 9
01:00	11.7IC	11.5SC	5.8	6.7	5.9	6.2	6.4	6.2	6.1	7.6	Avg:	6.4 8
02:00	6.3	7.2	5.9	5.9	6.5	5.8	6.3	6.0	6.1	6.6	Avg:	6.2 10
03:00	5.7	6.2	6.6	5.9	6.6	6.2	7.0	6.8	6.2	6.5	Avg:	6.4 10
04:00	6.1	5.8	6.2	6.3	6.6	5.8	5.5	6.1	5.9	6.0	Avg:	6.0 10
05:00	6.2	5.4	5.9	5.7	5.8	5.8	5.8	6.3	6.5	5.9	Avg:	5.9 10
06:00	5.9	5.8	6.1	5.3	5.8	6.2	6.0	5.9	6.2	6.4	Avg:	6.0 10
07:00	6.5	5.8	6.3	6.1	6.0	6.7	6.0	6.6	6.4	6.2	Avg:	6.3 10
08:00	5.6	6.1	5.8	6.0	5.8	6.4	6.2	5.7	5.9	5.5	Avg:	5.9 10
09:00	6.6	5.8	5.7	6.2	5.6	6.3	6.3	5.9	6.2	6.0	Avg:	6.1 10
10:00	5.7	6.0	6.0	6.2	5.9	5.9	6.3	6.0	6.2	6.0	Avg:	6.0 10
11:00	5.7	6.2	5.7	5.9	6.6	6.2	6.4	6.3	6.7	6.1	Avg:	6.2 10
12:00	6.1	5.9	6.2	6.0	6.3	6.2	6.4	6.0	5.9	6.0	Avg:	6.1 10
13:00	5.9	6.2	6.3	6.3	6.7	6.2	6.7	6.3	6.0	6.7	Avg:	6.3 10
14:00	6.3	6.3	6.2	6.0	6.0	7.5	7.1	6.3	6.3	6.6	Avg:	6.4 10
15:00	6.3	6.5	6.3	6.5	6.7	6.7	6.7	6.3	6.3	6.5	Avg:	6.5 10
16:00	5.8	8.5	7.4	7.4	8.2	7.4	7.9	7.5	7.6	8.5	Avg:	7.6 10
17:00	7.6	7.5	7.9	7.8	8.2	8.3	8.5	8.1	7.4	8.0	Avg:	7.9 10
18:00	7.7	7.8	7.6	8.4	7.8	7.0	7.5	7.5	6.7	7.7	Avg:	7.6 10
19:00	7.2	7.5	7.5	7.5	7.7	7.2	7.8	7.5	7.0	7.6	Avg:	7.4 10
20:00	6.7	7.6	7.2	7.0	7.7	7.1	7.5	7.4	6.7	7.8	Avg:	7.3 10
21:00	6.9	6.8	7.9	6.8	7.2	6.7	7.1	7.5	6.6	7.6	Avg:	7.1 10
22:00	6.2	6.3	7.3	6.3	6.4	6.3	6.3	7.2	6.3	6.9	Avg:	6.6 10
23:00	6.1	5.8	6.9	5.7	6.3	6.0	6.0	6.9	5.8	7.2	Avg:	6.3 10

Daily Average: 6.5 Count: 237 Max: 8.5

NOx 3867-0215 App.B - App.F.

Pollution Monitor Daily Report V4.1 08/15/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : ~~Unit 1~~ Channel : 1Opacity Units: %

00:00	6.5	6.3	7.2	6.2	7.0	6.6	6.5	6.8	6.3	11.8IC	Avg:	6.6 9
01:00	11.6IC	6.6	7.7	6.1	6.8	6.8	6.8	7.1	7.0	6.5	Avg:	6.8 9
02:00	6.8	6.3	7.0	6.5	6.7	6.6	6.9	6.6	6.0	6.2	Avg:	6.5 10
03:00	7.1	6.4	7.0	6.3	7.0	7.7	6.5	7.1	6.6	7.2	Avg:	6.9 10
04:00	7.4	6.8	7.1	6.4	6.6	7.1	6.1	6.9	6.4	6.1	Avg:	6.7 10
05:00	7.6	7.1	6.9	6.7	6.2	7.1	6.6	7.5	6.4	6.6	Avg:	6.9 10
06:00	7.6	6.7	7.1	6.8	6.5	7.5	6.5	6.7	6.6	6.5	Avg:	6.9 10
07:00	7.2	6.3	6.9	7.2	6.5	7.8	6.1	7.2	6.6	7.1	Avg:	6.9 10
08:00	7.2	6.0	7.2	7.6	6.4	7.3	6.4	7.7	6.6	6.1	Avg:	6.8 10
09:00	6.0	5.8	5.7	5.8	4.8	7.2	6.6	5.9	5.9	6.3	Avg:	6.0 10
10:00	6.0	5.7	5.6	6.2	5.8	5.8	5.6	6.0	5.6	5.7	Avg:	5.8 10
11:00	5.5	5.9	5.7	5.7	5.6	5.7	5.5	5.4	5.2	5.3	Avg:	5.5 10
12:00	5.2	5.4	5.2	5.6	6.1	5.6	5.0	5.6	5.6	5.1	Avg:	5.4 10
13:00	5.5	5.2	5.1	5.6	5.2	5.4	5.8	5.2	5.4	5.3	Avg:	5.4 10
14:00	5.1	5.4	5.5	5.9	6.0	6.1	5.9	5.7	6.3	6.2	Avg:	5.8 10
15:00	5.8	5.9	6.0	6.1	5.5	5.3	6.1	5.6	5.5	5.4	Avg:	5.7 10
16:00	5.6	6.1	5.7	5.5	5.6	5.4	5.4	5.5	5.2	5.5	Avg:	5.5 10
17:00	5.5	5.3	5.7	5.5	5.5	5.3	5.3	5.9	5.6	5.9	Avg:	5.5 10
18:00	5.8	5.6	5.8	5.5	5.4	5.9	5.3	5.6	5.7	6.0	Avg:	5.6 10
19:00	7.2	5.5	5.8	6.3	5.3	5.5	5.7	5.4	5.8	5.4	Avg:	5.8 10
20:00	5.9	7.3	6.2	7.0	5.2	5.7	5.5	5.1	5.5	5.2	Avg:	5.9 10
21:00	5.5	5.5	5.5	5.2	5.0	5.1	5.0	5.1	5.0	5.1	Avg:	5.2 10
22:00	5.0	5.3	5.5	5.2	5.5	5.4	4.8	4.9	4.8	5.0	Avg:	5.1 10
23:00	5.2	4.7	4.9	4.4	4.4	5.3	5.1	5.1	5.1	4.7	Avg:	4.9 10

Daily Average: 6.0 Count: 238 Max: (7.8)

NOx >5 LIC – APP. B (PART 75) 0007-0215
" 5945-1000 D.E.
SO2, CO2, NOx 1330-1430 D.E.

Pollution Monitor Daily Report V4.1 08/16/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	6.2	5.3	4.7	4.8	4.4	4.8	4.8	4.8	5.1	10.1IC	Avg:	5.0	9
01:00	14.3IC	4.9	4.7	4.7	4.7	5.0	4.8	4.6	4.8	4.8	Avg:	4.8	9
02:00	5.2	5.3	4.5	4.9	4.8	4.7	4.7	4.8	4.8	4.8	Avg:	4.9	10
03:00	5.5	5.3	5.9	4.8	5.0	4.8	5.2	5.4	5.0	4.8	Avg:	5.2	10
04:00	5.2	4.7	4.9	4.5	5.4	4.7	4.4	4.9	4.5	4.6	Avg:	4.8	10
05:00	5.3	4.5	5.0	4.5	4.5	4.8	5.0	5.1	4.7	4.7	Avg:	4.8	10
06:00	5.2	4.5	4.8	4.4	4.6	4.9	4.3	4.8	4.8	4.8	Avg:	4.7	10
07:00	5.2	4.3	4.6	5.1	4.6	5.3	5.7	5.7	5.7	6.1	Avg:	5.2	10
08:00	5.7	5.5	5.1	5.4	4.8	5.5	5.4	5.5	5.6	5.8	Avg:	5.4	10
09:00	5.5	5.1	5.1	6.2	5.5	5.6	5.6	5.4	5.8	5.9	Avg:	5.6	10
10:00	5.3	5.8	5.4	5.5	5.3	5.3	5.5	5.4	5.4	5.9	Avg:	5.5	10
11:00	5.3	5.9	5.1	5.5	5.2	5.2	5.5	5.3	6.0	6.1	Avg:	5.5	10
12:00	5.4	5.5	5.3	5.4	5.4	5.0	5.5	5.2	5.5	5.7	Avg:	5.4	10
13:00	5.2	5.5	5.3	5.2	5.5	5.5	5.7	5.3	5.8	6.2	Avg:	5.5	10
14:00	6.0	5.6	5.8	5.8	6.1	5.9	5.5	5.6	5.5	6.2	Avg:	5.8	10
15:00	5.8	6.0	6.3	5.6	5.9	5.8	6.2	6.2	6.2	6.2	Avg:	6.0	10
16:00	6.2	6.1	6.3	6.4	6.4	6.2	6.2	6.3	6.1	6.3	Avg:	6.3	10
17:00	6.4	6.4	6.2	6.4	6.2	6.6	6.8	6.5	6.6	6.2	Avg:	6.4	10
18:00	6.8	6.6	6.1	6.6	5.9	6.0	6.2	6.1	6.3	6.2	Avg:	6.3	10
19:00	6.3	6.2	6.1	6.2	6.1	6.4	6.3	6.1	6.5	6.3	Avg:	6.3	10
20:00	6.0	6.1	5.7	5.8	5.7	5.8	6.3	6.1	6.3	6.0	Avg:	6.0	10
21:00	6.8	5.9	5.9	6.2	6.1	6.3	6.1	6.0	6.6	6.7	Avg:	6.3	10
22:00	6.2	6.3	5.8	6.0	6.3	5.9	5.9	5.8	6.0	6.0	Avg:	6.0	10
23:00	6.4	6.3	5.8	6.1	5.5	6.2	6.0	6.0	6.2	6.5	Avg:	6.1	10

Daily Average: 5.6 Count: 238 Max: 6.8

SO_2, CO_2, NO_x 1245-1360 hr.
1445-1515 hr.

Pollution Monitor Daily Report V4.1 08/17/1995 Page # 1
Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	5.8	6.0	5.7	5.6	5.8	6.0	6.0	5.6	6.1	11.9IC	Avg:	5.8 9
01:00	8.9IC	6.8	6.0	5.7	6.0	6.4	7.1	6.1	8.3	7.2	Avg:	6.6 9
02:00	6.1	6.3	6.1	6.0	5.7	5.8	5.5	6.1	5.9	6.4	Avg:	6.0 10
03:00	5.6	5.7	5.6	5.4	6.0	5.6	5.4	6.2	5.4	6.1	Avg:	5.7 10
04:00	5.3	5.4	5.2	5.0	5.0	5.2	5.1	4.9	6.1	5.3	Avg:	5.2 10
05:00	5.0	5.5	5.8	6.2	6.0	6.3	5.6	6.2	6.5	5.6	Avg:	5.9 10
06:00	5.9	5.8	5.7	5.8	5.3	5.9	5.5	5.5	6.1	5.3	Avg:	5.7 10
07:00	5.4	5.3	5.7	5.4	4.6	10.2	5.5	9.5	9.2	6.8	Avg:	6.8 10
08:00	7.6	8.4	8.2	5.3	8.8	8.1	5.2	8.0	8.7	6.2	Avg:	7.4 10
09:00	6.6	7.9	8.2	5.1	7.9	8.1	5.4	8.4	8.6	6.1	Avg:	7.2 10
10:00	6.2	7.6	7.3	5.0	6.9	7.3	5.0	7.0	7.0	5.5	Avg:	6.5 10
11:00	5.8	6.9	6.2	5.3	6.8	7.1	4.8	6.8	6.8	5.2	Avg:	6.2 10
12:00	6.8	5.7	5.7	5.5	5.5	5.7	6.1	5.9	5.6	5.5	Avg:	5.8 10
13:00	5.4	6.0	5.5	5.6	5.7	5.5	5.4	5.7	5.5	6.0	Avg:	5.6 10
14:00	5.8	5.5	5.9	5.6	5.7	6.0	6.0	6.4	5.8	5.8	Avg:	5.8 10
15:00	6.0	6.0	6.4	5.7	6.0	6.6	6.1	6.5	6.1	6.0	Avg:	6.1 10
16:00	6.3	6.2	6.6	6.7	6.2	6.5	6.4	6.5	6.4	6.1	Avg:	6.4 10
17:00	6.6	6.5	6.3	6.6	6.6	7.0	7.1	6.6	6.8	6.5	Avg:	6.7 10
18:00	6.7	6.9	6.5	6.9	6.6	6.7	7.1	6.7	7.2	6.9	Avg:	6.8 10
19:00	6.9	7.3	6.7	6.7	6.8	6.8	7.5	6.5	6.9	7.0	Avg:	6.9 10
20:00	6.6	6.9	6.6	6.6	7.0	6.6	7.1	6.5	6.6	6.4	Avg:	6.7 10
21:00	6.3	6.4	6.7	6.8	6.4	6.4	6.9	6.8	6.8	6.6	Avg:	6.6 10
22:00	6.3	6.2	6.8	5.9	6.6	6.3	6.8	6.9	6.3	6.1	Avg:	6.4 10
23:00	6.0	6.0	6.9	5.7	6.1	6.6	6.9	5.9	6.6	6.6	Avg:	6.3 10

Daily Average: 6.3 Count: 238 Max: 10.2

NOx 0007-0215 APP. B - RATE 75 > 55
1545 - 1600 G.E.

Company: St. Johns Unit 1 Location:
Source : Unit 1 5-15-95 Channel : 1Opacity Units: %

00:00	5.9	6.0	6.1	5.7	5.6	6.1	5.6	5.7	6.0	15.4IC	Avg:	5.9 9
01:00	13.3IC	5.5	5.5	5.9	5.9	5.7	5.3	5.3	5.8	5.2	Avg:	5.6 9
02:00	5.4	6.3	5.8	6.1	5.5	6.0	5.6	5.4	5.3	5.5	Avg:	5.7 10
03:00	5.3	5.3	5.3	6.1	5.7	6.5	5.8	5.8	6.5	5.6	Avg:	5.8 10
04:00	5.9	5.8	5.4	5.4	5.7	6.1	5.8	5.8	5.4	5.5	Avg:	5.7 10
05:00	5.6	6.0	5.3	5.8	6.3	6.2	5.9	5.5	6.2	6.2	Avg:	5.9 10
06:00	5.7	5.6	5.5	5.6	5.9	6.0	6.3	5.6	5.9	5.5	Avg:	5.8 10
07:00	5.8	6.2	5.9	5.5	6.3	7.0	6.3	5.8	6.1	5.6	Avg:	6.0 10
08:00	5.0	5.5	6.0	5.7	6.3	5.8	5.7	5.4	5.5	5.2	Avg:	5.6 10
09:00	5.3	5.4	5.3	5.3	5.6	5.5	5.5	5.6	5.2	5.9	Avg:	5.5 10
10:00	5.9	5.5	5.4	5.5	5.7	5.4	5.7	5.7	5.3	5.5	Avg:	5.5 10
11:00	5.4	5.5	5.7	5.6	5.5	5.7	6.1	5.8	5.6	5.6	Avg:	5.7 10
12:00	5.7	5.3	5.5	5.8	5.4	5.6	5.7	5.7	5.7	5.4	Avg:	5.6 10
13:00	5.2	5.6	5.7	5.5	5.6	5.7	6.3	6.4	5.6	6.0	Avg:	5.7 10
14:00	6.1	5.7	5.8	5.7	6.1	5.8	5.7	6.2	5.9	6.1	Avg:	5.9 10
15:00	6.1	5.9	6.1	6.0	5.9	6.0	6.1	6.8	6.1	5.9	Avg:	6.1 10
16:00	6.4	6.0	6.3	6.2	6.3	6.5	6.5	6.3	6.4	6.2	Avg:	6.3 10
17:00	6.5	6.2	6.8	6.9	6.6	6.9	6.7	6.6	6.7	6.3	Avg:	6.6 10
18:00	6.7	6.5	6.4	6.4	6.4	6.9	6.8	6.6	6.4	6.1	Avg:	6.5 10
19:00	6.7	6.3	6.1	6.4	6.3	6.5	6.6	6.5	6.6	6.5	Avg:	6.5 10
20:00	6.2	6.2	6.4	6.6	6.2	6.4	6.1	6.0	6.5	6.2	Avg:	6.3 10
21:00	6.5	6.3	6.2	6.7	6.3	6.6	6.2	5.8	6.3	5.9	Avg:	6.3 10
22:00	5.8	5.7	5.8	6.3	5.5	5.8	5.5	5.8	5.7	5.8	Avg:	5.8 10
23:00	5.5	5.9	5.3	5.7	6.5	5.9	6.6	5.6	6.1	6.8	Avg:	6.0 10

Daily Average: 5.9 Count: 238 Max: 7.0

NOx 0800 - 0900 u.e

SO2, CO2, NOx 0915 - 1000 u.e.

Company: St. Johns Unit 1 Location:
Source : Unit 1 Channel : 1Opacity Units: %

00:00	6.2	6.2	5.7	6.3	6.1	5.9	6.1	5.7	5.7	13.0IC	Avg:	6.0 9
01:00	8.9IC	5.9	5.9	6.7	6.0	6.9	6.2	6.0	6.7	6.8	Avg:	6.3 9
02:00	6.0	5.6	6.1	5.8	6.6	5.9	6.2	6.6	6.0	6.3	Avg:	6.1 10
03:00	6.2	5.8	6.6	6.3	6.5	6.5	6.3	6.5	7.3	5.9	Avg:	6.4 10
04:00	6.3	6.0	6.1	6.8	7.6	6.9	6.2	6.0	6.5	5.9	Avg:	6.4 10
05:00	6.4	6.3	5.7	6.9	6.7	6.4	7.3	5.8	6.6	6.4	Avg:	6.5 10
06:00	5.8	6.8	5.7	7.0	6.8	6.3	6.4	7.1	6.6	6.7	Avg:	6.5 10
07:00	5.8	6.4	6.3	6.8	6.8	6.1	6.5	7.1	6.5	6.8	Avg:	6.5 10
08:00	7.3	6.8	7.0	6.4	6.5	6.5	6.3	6.5	6.7	6.5	Avg:	6.7 10
09:00	7.1	7.7	7.4	6.6	6.8	6.5	6.5	6.5	6.6	6.1	Avg:	6.8 10
10:00	6.1	6.3	6.8	6.3	6.3	6.1	6.0	6.0	5.8	5.9	Avg:	6.2 10
11:00	6.3	7.1	6.1	6.2	5.6	6.5	6.3	6.5	6.2	6.1	Avg:	6.3 10
12:00	6.0	6.0	6.0	5.8	5.6	5.6	5.8	5.9	6.3	5.9	Avg:	5.9 10
13:00	5.9	5.7	6.1	5.9	5.6	5.9	6.3	5.9	6.2	6.2	Avg:	6.0 10
14:00	6.3	7.1	6.3	5.8	5.8	5.9	5.8	5.6	5.7	5.9	Avg:	6.0 10
15:00	6.3	6.7	6.2	5.8	6.3	6.1	5.9	6.2	6.5	6.3	Avg:	6.2 10
16:00	6.0	6.3	6.1	6.2	6.1	6.3	5.6	5.7	5.8	5.6	Avg:	6.0 10
17:00	5.7	6.3	5.9	5.8	5.6	5.9	6.2	7.6	7.4	6.3	Avg:	6.3 10
18:00	6.1	6.0	5.6	5.4	5.6	5.6	5.0	6.0	5.9	5.7	Avg:	5.7 10
19:00	6.4	9.0	5.8	6.1	5.5	6.3	5.6	5.9	5.8	5.4	Avg:	6.2 10
20:00	7.2	5.4	5.1	5.1	4.8	5.3	4.7	5.1	4.9	4.7	Avg:	5.2 10
21:00	6.0	5.0	5.1	5.2	4.9	5.0	5.2	4.9	5.3	5.1	Avg:	5.2 10
22:00	5.8	5.0	4.6	5.1	5.2	4.9	5.1	4.8	4.9	5.1	Avg:	5.1 10
23:00	5.5	5.1	4.9	5.3	5.4	5.5	6.3	5.7	5.6	5.5	Avg:	5.5 10

Daily Average: 6.1 Count: 238 Max: 9.0

ATTACHMENT E-2

RELATIVE ACCURACY TEST REPORT FOR KVB AT S.J.R.P.P. UNIT 1

November 17-19 & 21, 1994

94-489-FL

TOTAL SOURCE ANALYSIS, INC.

St. John's River Power Park

Unit 1 Outlet

RELATIVE ACCURACY - NOx lb/mmBtu

RATA TABLE 1

ANALYZER TYPE	NOx	
MODEL NUMBER	42	
MANUFACTURER	TECO	
SERIAL NUMBER	42-49353-282	
MEASUREMENT SPAN	1000	PPM
Fc FACTOR	1800	
BOILER LOAD	650	MW

RUN USED	RUN NUMBER	RM NOx ppm	RM CO2 %	RM NOx lb/mmBtu	DATE	TIME	CEMS NOx ppm	CEMS CO2 %	CEMS NOx lb/mmBtu	DIFFERENCE lb/mmBtu
N	1	279.9	12.2	0.49	17-Nov-94	08:30-09:00	290.3	12.62	0.49	0.00
Y	2	277.9	11.9	0.50	17-Nov-94	09:20-09:50	282.9	12.27	0.50	0.00
Y	3	281.5	12.0	0.50	17-Nov-94	10:10-10:40	293.6	12.72	0.50	0.00
Y	4	289.3	12.1	0.51	17-Nov-94	11:10-11:40	298.4	12.76	0.50	0.01
Y	5	289.7	12.4	0.50	17-Nov-94	12:05-12:35	297.2	12.77	0.50	0.00
Y	6	286.2	11.9	0.52	17-Nov-94	13:25-13:55	298.3	12.74	0.50	0.02
Y	7	287.8	12.1	0.51	17-Nov-94	14:10-14:40	296.2	12.72	0.50	0.01
Y	8	283.8	12.2	0.50	17-Nov-94	15:05-15:35	302.6	12.71	0.51	-0.01
Y	9	300.7	12.4	0.52	17-Nov-94	16:05-16:35	304.9	12.72	0.52	0.00
Y	10	296.1	12.3	0.52	17-Nov-94	16:55-17:25	303.2	12.76	0.51	0.01
N	11	302.1	12.4	0.52	17-Nov-94	17:40-18:10	301.3	12.73	0.51	0.01
N	12	293.5	12.2	0.52	17-Nov-94	18:30-19:00	299.3	12.73	0.51	0.01

AVERAGE CEM VALUE	0.504
AVERAGE RM VALUE	0.509
MEAN DIFFERENCE	0.004
NUMBER OF RUNS	9
STANDARD DEVIATION	0.009
T - VALUE	2.306
CONFIDENCE COEFFICIENT	0.007
RELATIVE ACCURACY, %	2.16

Conversion Factor = 1.194 E-07

BIAS TEST	PASS
BIAS ADJUSTMENT FACTOR	1.000
NEXT TEST	ANNUAL

St. John's River Power Park

Unit 1 Outlet

RELATIVE ACCURACY CO2 ANALYZER

RATA TABLE 2

ANALYZER TYPE	CO2	
MODEL NUMBER	41H	
MANUFACTURER	TECO	
SERIAL NUMBER	41H-49357-282	
MEASUREMENT SPAN	20	%
BOILER LOAD	650	MW

RUN USED	RUN NUMBER	RM DATA %	DATE	TIME	CEMS DATA %	DIFFERENCE % CO2
Y	1	12.2	17-Nov-94	08:30-09:00	12.6	-0.4
Y	2	11.9	17-Nov-94	09:20-09:50	12.3	-0.4
Y	3	12.0	17-Nov-94	10:10-10:40	12.7	-0.7
N	4	12.1	17-Nov-94	11:10-11:40	12.8	-0.7
Y	5	12.4	17-Nov-94	12:05-12:35	12.8	-0.4
N	6	11.9	17-Nov-94	13:25-13:55	12.7	-0.8
N	7	12.1	17-Nov-94	14:10-14:40	12.7	-0.6
Y	8	12.2	17-Nov-94	15:05-15:35	12.7	-0.5
Y	9	12.4	17-Nov-94	16:05-16:35	12.7	-0.3
Y	10	12.3	17-Nov-94	16:55-17:25	12.8	-0.5
Y	11	12.4	17-Nov-94	17:40-18:10	12.7	-0.3
Y	12	12.2	17-Nov-94	18:30-19:00	12.7	-0.5

AVERAGE CEM VALUE	12.67
AVERAGE RM VALUE	12.22
MEAN DIFFERENCE	-0.44
NUMBER OF RUNS	9
STANDARD DEVIATION	0.12
T - VALUE	2.306
CONFIDENCE COEFFICIENT	0.09
RELATIVE ACCURACY, %	4.34

St. John's River Power Park

Unit 1 Outlet

RELATIVE ACCURACY SO2 ANALYZER

RATA TABLE 3

ANALYZER TYPE	SO2	
MODEL NUMBER	43H	
MANUFACTURER	TECO	
SERIAL NUMBER	43B-49122-282	
MEASUREMENT SPAN	3500	PPM
BOILER LOAD	650	MW

RUN USED	RUN NUMBER	RM DATA ppm	DATE	TIME	CEMS DATA ppm	DIFFERENCE ppm
Y	1	141.5	17-Nov-94	08:30-09:00	142.0	-0.5
Y	2	136.7	17-Nov-94	09:20-09:50	139.0	-2.3
Y	3	140.0	17-Nov-94	10:10-10:40	144.0	-4.0
N	4	163.3	17-Nov-94	11:10-11:40	142.0	21.3
Y	5	140.7	17-Nov-94	12:05-12:35	150.0	-9.3
Y	6	130.7	17-Nov-94	13:25-13:55	140.0	-9.3
Y	7	142.9	17-Nov-94	14:10-14:40	142.0	0.9
Y	8	92.0	17-Nov-94	15:05-15:35	94.0	-2.0
N	9	169.2	17-Nov-94	16:05-16:35	147.0	22.2
Y	10	166.4	17-Nov-94	16:55-17:25	150.0	16.4
N	11	166.9	17-Nov-94	17:40-18:10	149.0	17.9
Y	12	163.8	17-Nov-94	18:30-19:00	150.0	13.8

AVERAGE CEM VALUE	139.00		
AVERAGE RM VALUE	139.41		
MEAN DIFFERENCE	0.41		
NUMBER OF RUNS	9		
STANDARD DEVIATION	9.06	BIAS TEST	PASS
T - VALUE	2.306	BIAS ADJUSTMENT FACTOR	1.000
CONFIDENCE COEFFICIENT	6.96		
RELATIVE ACCURACY, %	5.29	NEXT TEST	ANNUAL

St. John's River Power Park

Unit 1 Outlet

RELATIVE ACCURACY FLOW LOW LOAD

ANALYZER TYPE	FLOW	
MODEL NUMBER	Ultraflow100	
MANUFACTURER	USI	
SERIAL NUMBER	R-08771U-0194	
MEASUREMENT SPAN	144000000	scfh
BOILER LOAD	307	MW

RATA TABLE 4

RUN USED	RUN NUMBER	RM DATA scfh	DATE	TIME	CEMS DATA scfh	DIFFERENCE scfh
Y	1	56594400	18-Nov-94	22:00-22:25	60270000	-3675600
Y	2	56820800	18-Nov-94	22:30-22:55	59766000	-2945200
N	3	56538200	18-Nov-94	23:00-23:25	60846000	-4307800
Y	4	57604000	18-Nov-94	23:30-23:55	60474000	-2870000
N	5	56676900	19-Nov-94	00:00-00:25	61140000	-4463100
Y	6	56896200	19-Nov-94	00:30-00:55	60114000	-3217800
Y	7	56930300	19-Nov-94	01:00-01:25	60264000	-3333700
Y	8	56423000	19-Nov-94	01:30-01:55	60492000	-4069000
Y	9	56467800	19-Nov-94	02:00-02:25	60576000	-4108200
Y	10	56633000	19-Nov-94	02:30-02:55	60156000	-3523000
Y	11	56740100	19-Nov-94	03:00-03:25	60090000	-3349900
N						

AVERAGE CEM VALUE	60255750
AVERAGE RM VALUE	56809575
MEAN DIFFERENCE	-3446175
NUMBER OF RUNS	9
STANDARD DEVIATION	468409
T - VALUE	2.306
CONFIDENCE COEFFICIENT	360050
RELATIVE ACCURACY, %	6.70
BIAS TEST	PASS
BIAS ADJUSTMENT FACTOR	1.000
NEXT TEST	ANNUAL

St. John's River Power Park

Unit 1 Outlet

RELATIVE ACCURACY MID FLOW

ANALYZER TYPE	FLOW	
MODEL NUMBER	Ultraflow100	
MANUFACTURER	USI	
SERIAL NUMBER	R-08771U-0194	
MEASUREMENT SPAN	144000000	scfh
BOILER LOAD	450	MW

RATA TABLE 5

RUN USED	RUN NUMBER	RM DATA scfh	DATE	TIME	CEMS DATA scfh	DIFFERENCE scfh
Y	1	72549000	19-Nov-94	05:00-05:25	76992000	-4443000
Y	2	72741000	19-Nov-94	05:30-05:55	77328000	-4587000
Y	3	72860100	19-Nov-94	06:00-06:25	77592000	-4731900
Y	4	72718600	19-Nov-94	06:30-06:55	77370000	-4651400
N	5	72188600	19-Nov-94	07:00-07:25	77436000	-5247400
Y	6	73290900	19-Nov-94	07:30-07:55	77922000	-4631100
Y	7	72769300	19-Nov-94	08:00-08:25	77202000	-4432700
Y	8	72696600	19-Nov-94	08:30-08:55	77634000	-4937400
Y	9	72631700	19-Nov-94	09:00-09:25	77226000	-4594300
Y	10	72646800	19-Nov-94	09:30-10:00	77016000	-4369200
N						
N						

AVERAGE CEM VALUE	77364667
AVERAGE RM VALUE	72767111
MEAN DIFFERENCE	-4597556
NUMBER OF RUNS	9
STANDARD DEVIATION	173530
T - VALUE	2.306
CONFIDENCE COEFFICIENT	133387
RELATIVE ACCURACY, %	6.50
BIAS TEST	PASS
BIAS ADJUSTMENT FACTOR	1.000
NEXT TEST	ANNUAL

St. John's River Power Park

Unit 1 Outlet

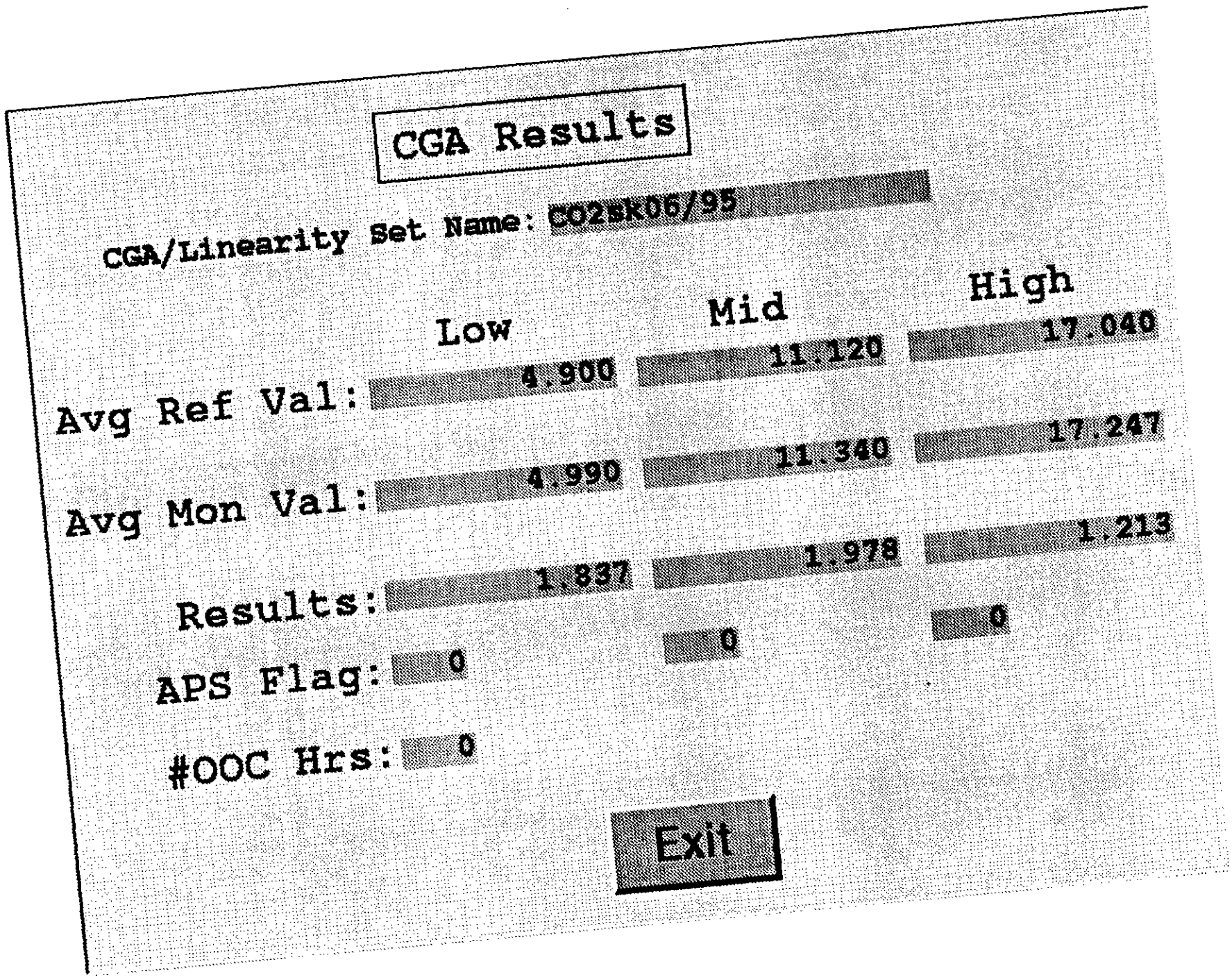
RELATIVE ACCURACY HIGH LOAD FLOW

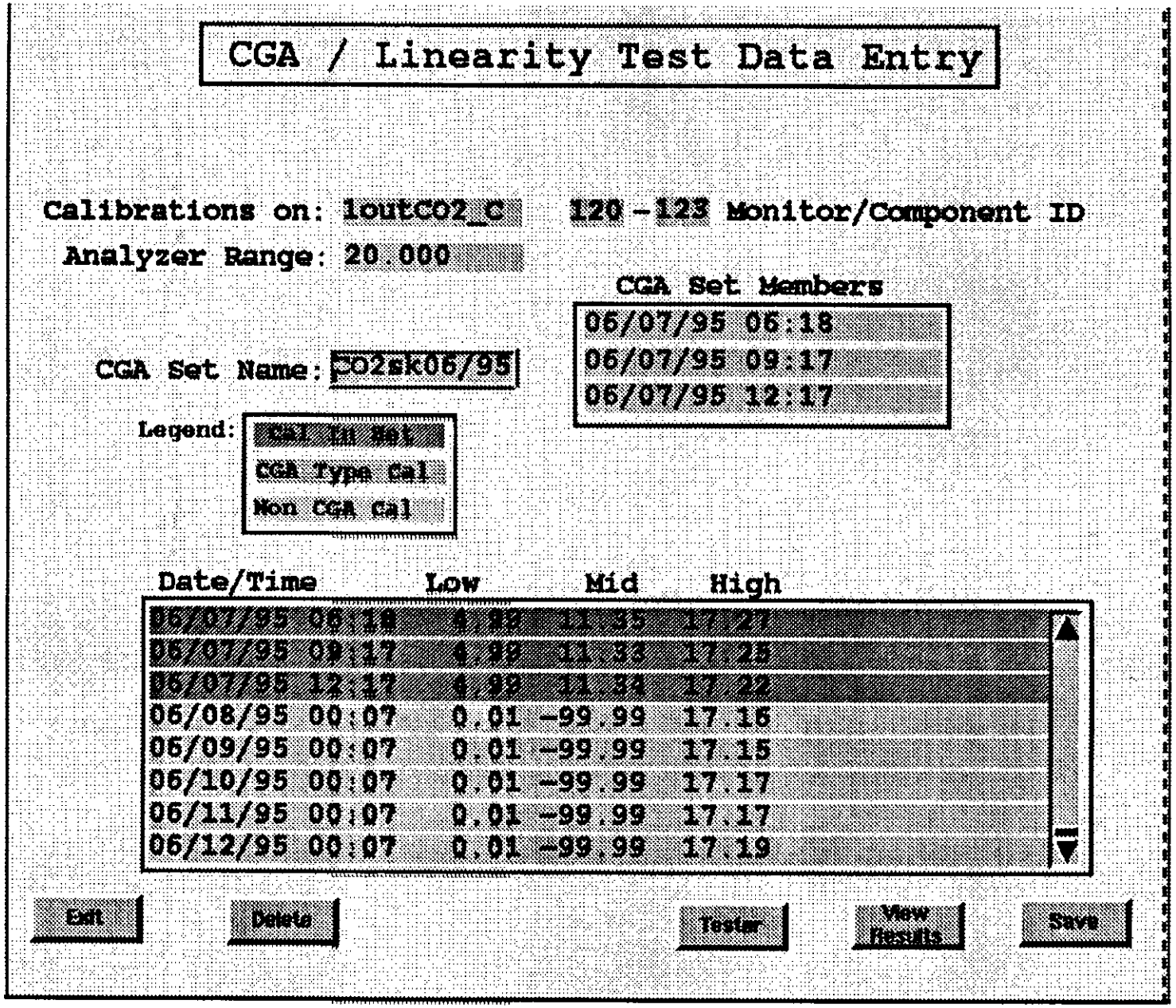
ANALYZER TYPE	FLOW	
MODEL NUMBER	Ultraflow100	
MANUFACTURER	USI	
SERIAL NUMBER	R-08771U-0194	
MEASUREMENT SPAN	144000000	scfh
BOILER LOAD	650	MW

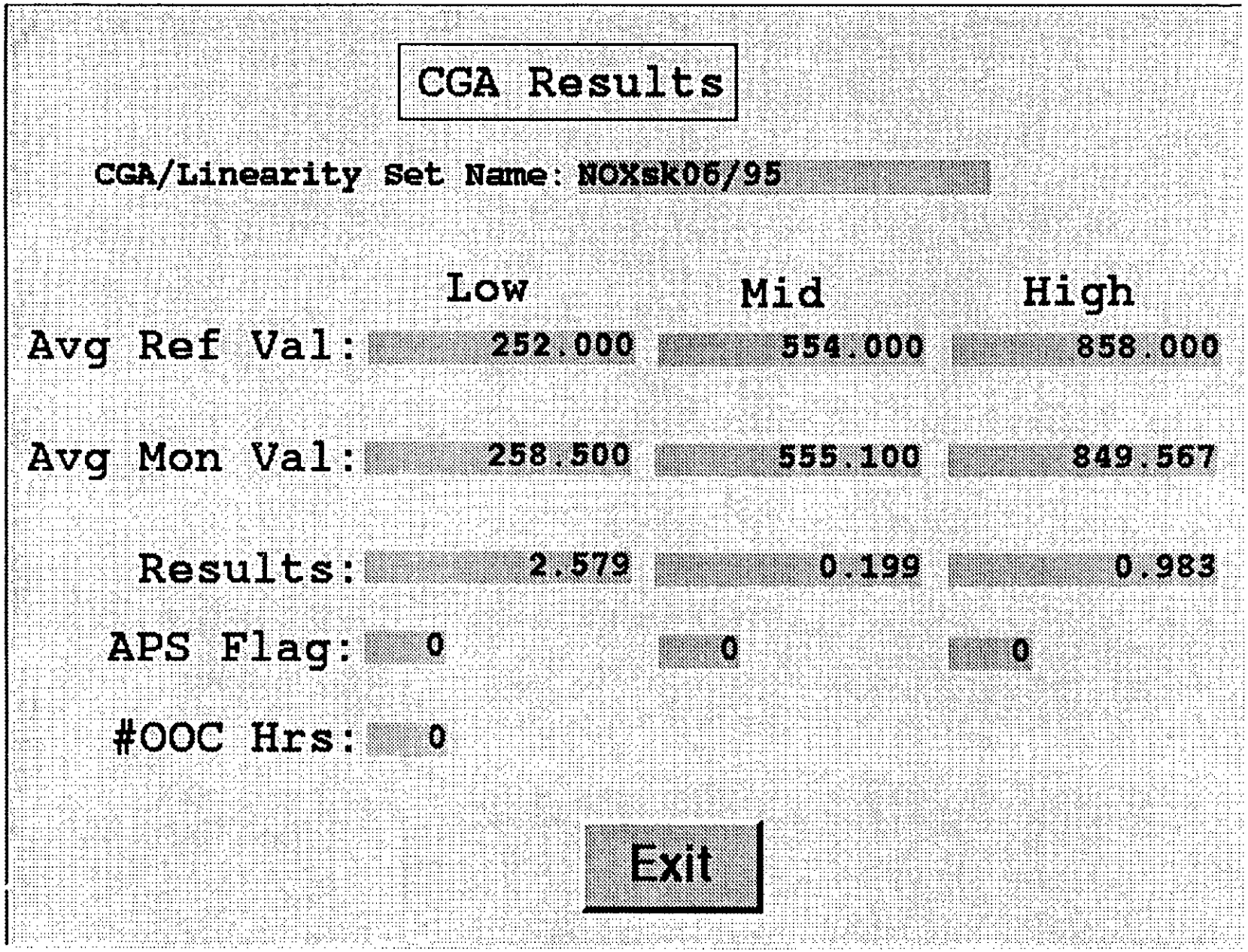
RATA TABLE 6

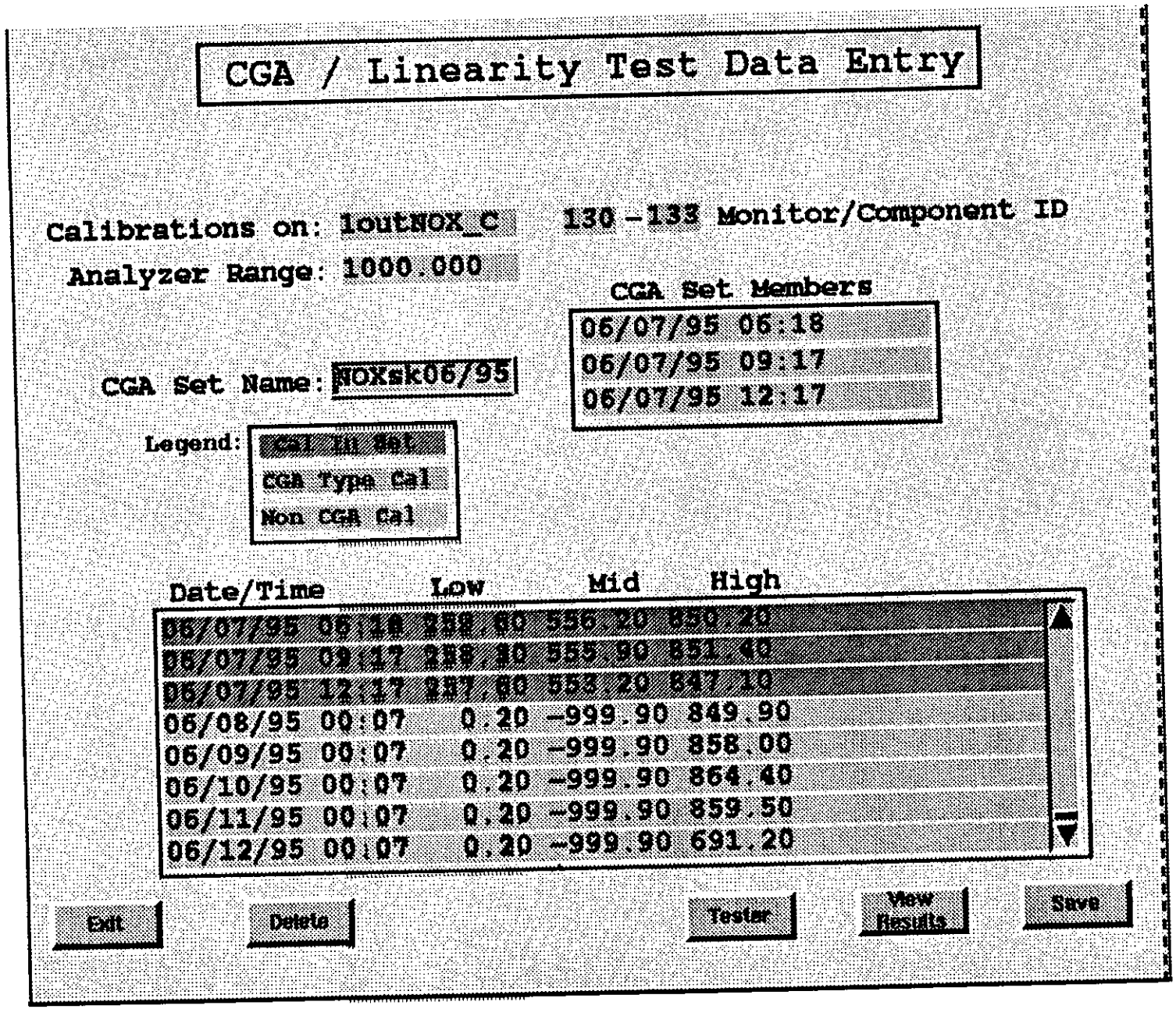
RUN USED	RUN NUMBER	RM DATA scfh	DATE	TIME	CEMS DATA scfh	DIFFERENCE scfh
Y	1	90767400	17-Nov-94	08:30-09:00	95928000	-5160600
Y	2	90740100	17-Nov-94	09:20-09:50	96048000	-5307900
Y	3	91426700	17-Nov-94	10:10-10:40	95712000	-4285300
N	4	90410800	17-Nov-94	11:10-11:40	96402000	-5991200
Y	5	91297900	17-Nov-94	12:05-12:35	96144000	-4846100
N	6	106028300	17-Nov-94	13:25-13:55	96144000	9884300
Y	7	92663000	17-Nov-94	14:10-14:40	96486000	-3823000
Y	8	93143000	17-Nov-94	15:05-15:35	97848000	-4705000
Y	9	92152700	17-Nov-94	16:05-16:35	97482000	-5329300
Y	10	92531600	17-Nov-94	16:55-17:25	97920000	-5388400
Y	11	92229000	17-Nov-94	17:40-18:10	97452000	-5223000
N	12	92414600	17-Nov-94	18:30-19:00	98460000	-6045400

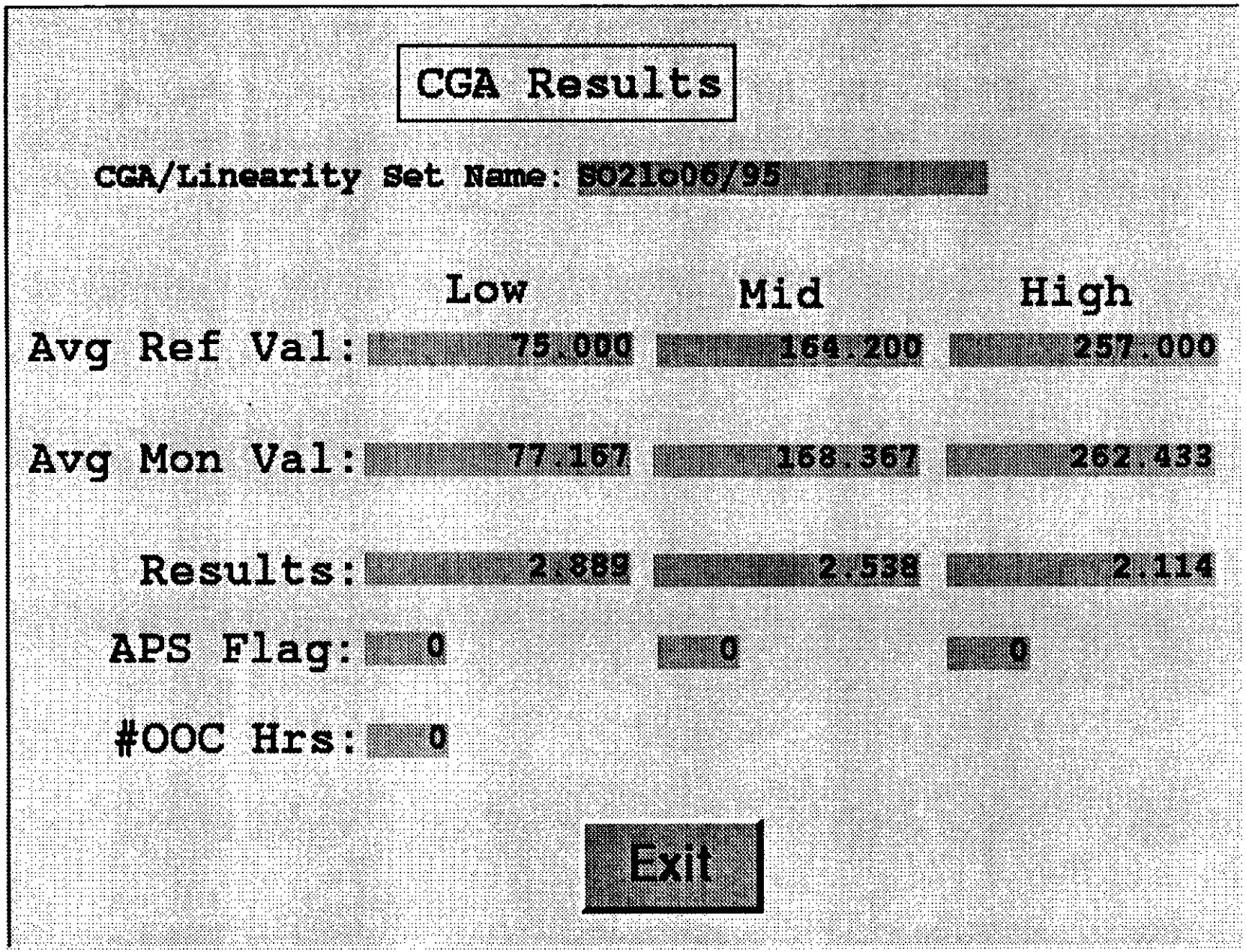
AVERAGE CEM VALUE	96780000
AVERAGE RM VALUE	91883489
MEAN DIFFERENCE	-4896511
NUMBER OF RUNS	9
STANDARD DEVIATION	540840
T - VALUE	2.306
CONFIDENCE COEFFICIENT	415726
RELATIVE ACCURACY, %	5.78
BIAS TEST	PASS
BIAS ADJUSTMENT FACTOR	1.000
NEXT TEST	ANNUAL

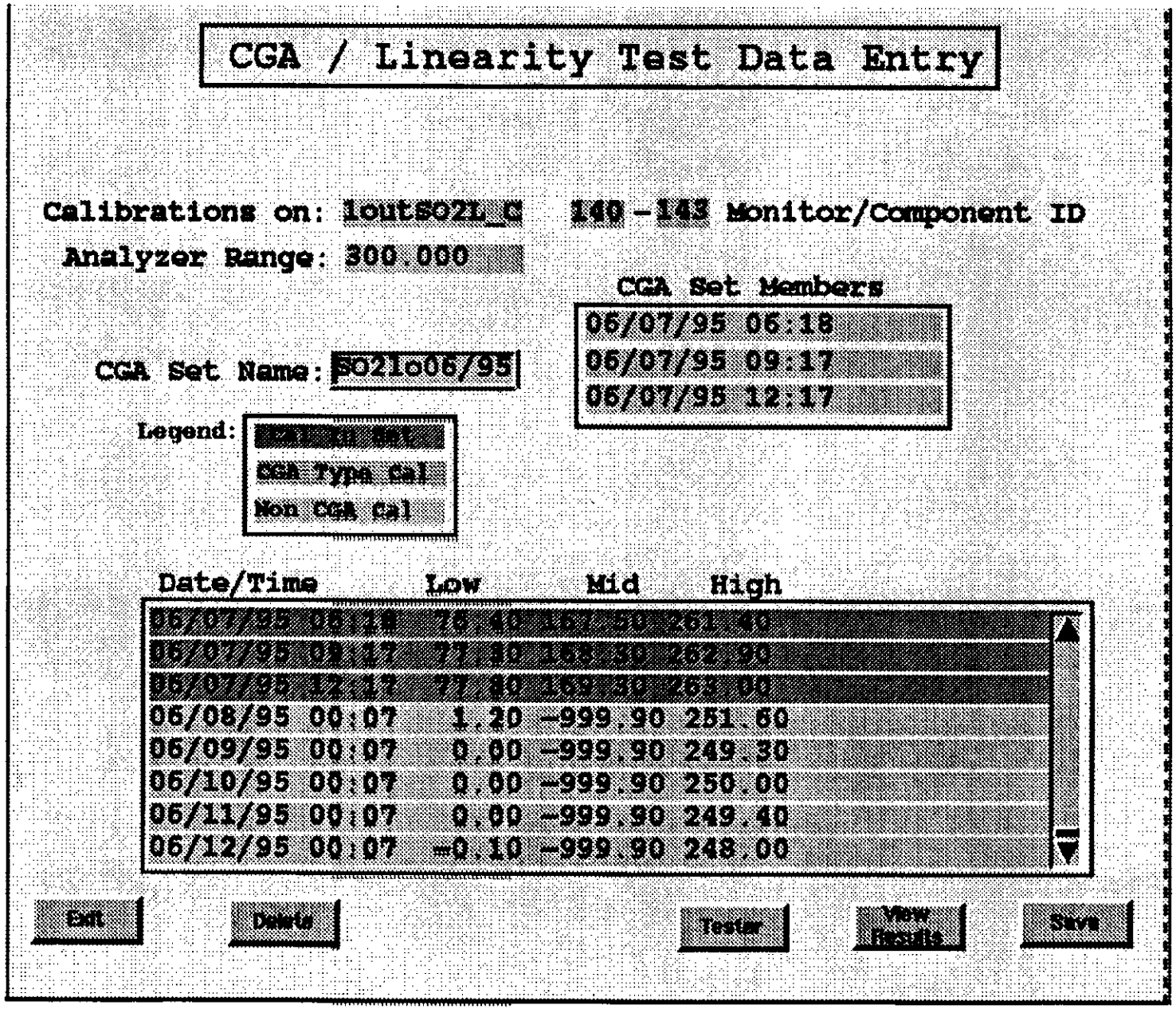

CGA Results
CGA/Linearity Set Name: CO2SK06/95
Low
Mid
High
Avg Ref Val:
4.900
11.120
17.040
Avg Mon Val:
4.990
11.340
17.247
Results:
1.837
1.978
1.213
APS Flag:
0
0
0
#OOC Hrs:
0
Exit

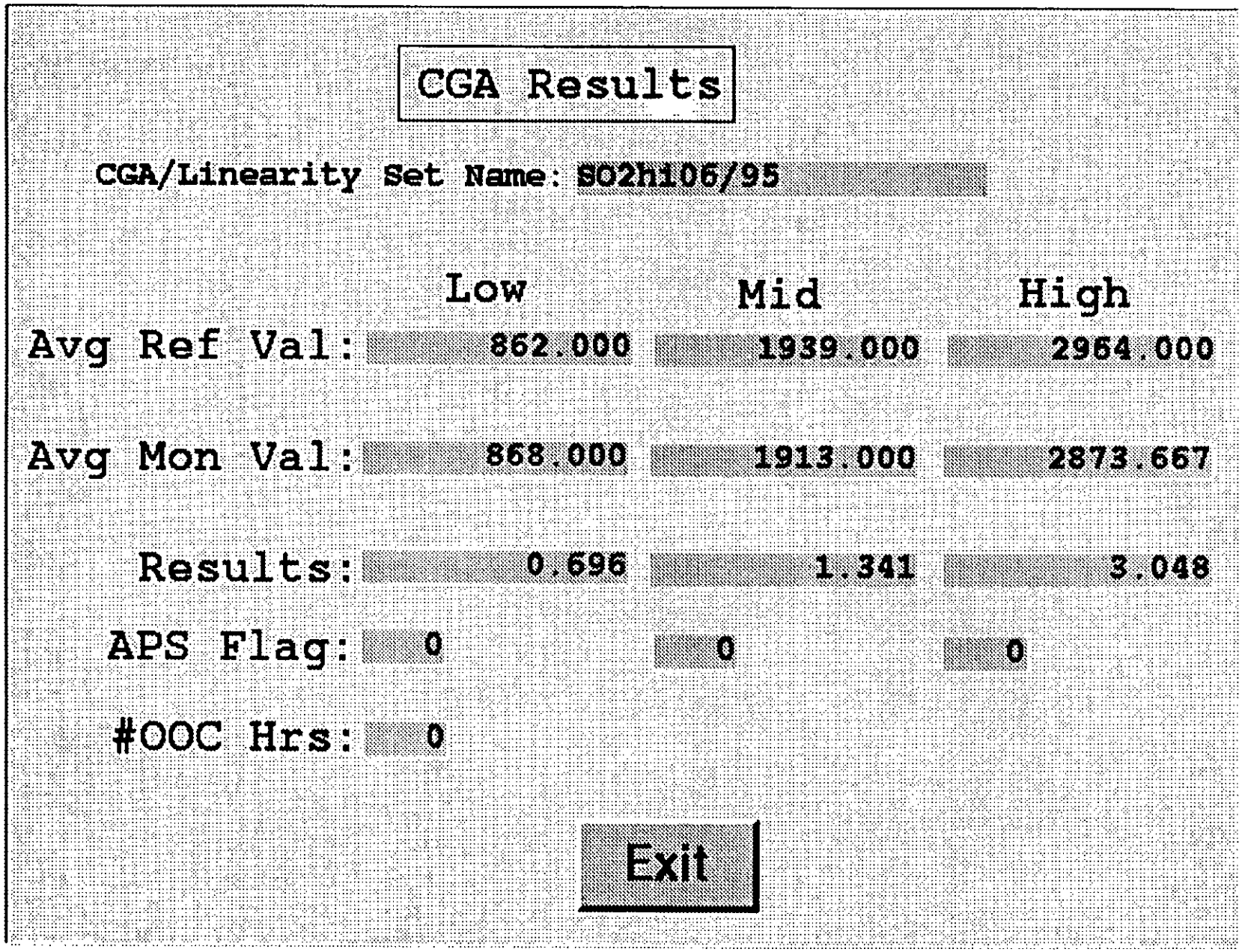

CGA / Linearity Test Data Entry
Calibrations on: 1outCO2_C
120 - 123 Monitor/Component ID
Analyzer Range: 20.000
CGA Set Members
06/07/95 06:18
06/07/95 09:17
06/07/95 12:17
CGA Set Name: CO2sk06/95
Legend:
Cal In Set
CGA Type Cal
Non CGA Cal
Date/Time Low Mid High
06/07/95 06:18 4.99 11.35 17.21
06/07/95 09:17 4.99 11.33 17.25
06/07/95 12:17 4.99 11.34 17.22
06/08/95 00:07 0.01 -99.99 17.16
06/09/95 00:07 0.01 -99.99 17.15
06/10/95 00:07 0.01 -99.99 17.17
06/11/95 00:07 0.01 -99.99 17.17
06/12/95 00:07 0.01 -99.99 17.19
Exit
Delete
Tester
View Results
Save

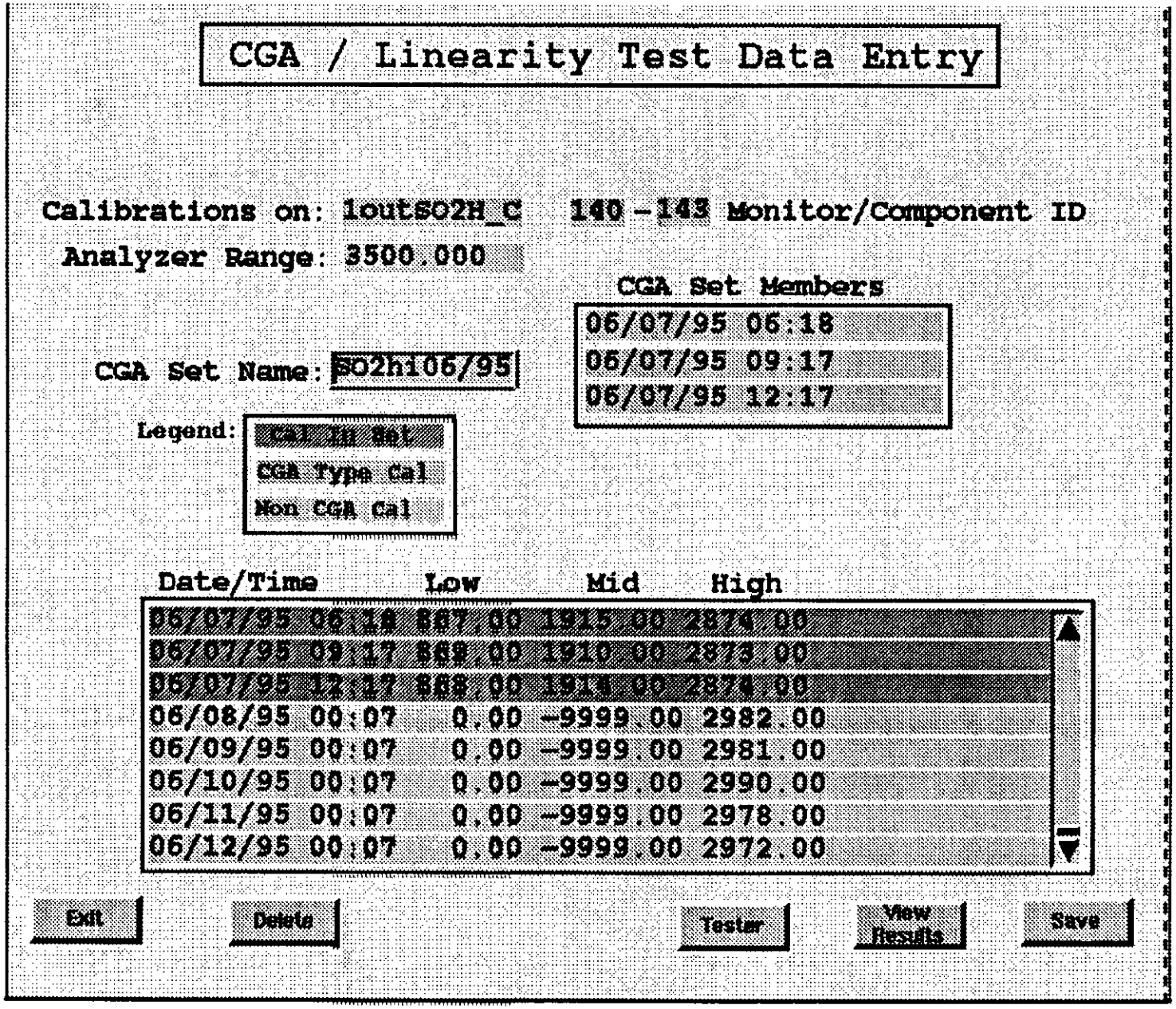

CGA Results
CGA/Linearity Set Name: NOXsk06/95
Low
Mid
High
Avg Ref Val: 252.000 554.000 858.000
Avg Mon Val: 258.500 555.100 849.567
Results: 2.579 0.199 0.983
APS Flag: 0 0 0
#OOC Hrs: 0
Exit


CGA / Linearity Test Data Entry
Calibrations on: loutNOX_C
Analyzer Range: 1000.000
130 - 133 Monitor/Component ID
CGA Set Members
06/07/95 06:18
06/07/95 09:17
06/07/95 12:17
CGA Set Name: NOXsk06/95
Legend:
Cal Id Cal
CGA Type Cal
Non CGA Cal
Date/Time Low Mid High
06/07/95 06:18 288.80 556.20 850.20
06/07/95 09:17 288.80 555.90 851.40
06/07/95 12:17 287.80 553.20 847.10
06/08/95 00:07 0.20 -999.90 849.90
06/09/95 00:07 0.20 -999.90 858.00
06/10/95 00:07 0.20 -999.90 864.40
06/11/95 00:07 0.20 -999.90 859.50
06/12/95 00:07 0.20 -999.90 691.20
Exit
Delete
Tester
View Results
Save


CGA Results
CGA/Linearity Set Name: SO21o06/95
Low
Mid
High
Avg Ref Val: 75.000 164.200 257.000
Avg Mon Val: 77.167 168.367 262.433
Results: 2.889 2.538 2.114
APS Flag: 0 0 0
#OOC Hrs: 0
Exit


CGA / Linearity Test Data Entry
Calibrations on: 1outSO2L_C
140 - 143 Monitor/Component ID
Analyzer Range: 300.000
CGA Set Members
06/07/95 06:18
06/07/95 09:17
06/07/95 12:17
CGA Set Name: SO2loc06/95
Legend:
CGA Type Cal
Non CGA Cal
Date/Time Low Mid High
06/07/95 06:18 70.40 167.50 261.40
06/07/95 09:17 77.80 169.30 262.90
06/07/95 12:17 77.80 169.30 263.00
06/08/95 00:07 1.20 -999.90 251.60
06/09/95 00:07 0.00 -999.90 249.30
06/10/95 00:07 0.00 -999.90 250.00
06/11/95 00:07 0.00 -999.90 249.40
06/12/95 00:07 -0.10 -999.90 248.00
Exit
Delete
Tester
View Results
Save


CGA Results
CGA/Linearity Set Name: SO2h106/95
Low
Mid
High
Avg Ref Val: 862.000 1939.000 2964.000
Avg Mon Val: 868.000 1913.000 2873.667
Results: 0.696 1.341 3.048
APS Flag: 0 0 0
#OOC Hrs: 0
Exit


CGA / Linearity Test Data Entry
Calibrations on: loutSO2H_C
140 -143 Monitor/Component ID
Analyzer Range: 3500.000
CGA Set Members
06/07/95 06:18
06/07/95 09:17
06/07/95 12:17
CGA Set Name: SO2h106/95
Legend:
Cal In Set
CGA Type Cal
Non CGA Cal
Date/Time Low Mid High
06/07/95 06:18 887.00 1915.00 2874.00
06/07/95 09:17 888.00 1910.00 2873.00
06/07/95 12:17 888.00 1918.00 2874.00
06/08/95 00:07 0.00 -9999.00 2982.00
06/09/95 00:07 0.00 -9999.00 2981.00
06/10/95 00:07 0.00 -9999.00 2990.00
06/11/95 00:07 0.00 -9999.00 2978.00
06/12/95 00:07 0.00 -9999.00 2972.00
Exit
Delete
Tester
View Results
Save

ATTACHMENT E-3

SJRPP UNIT 1
TEST BURN
PETROLEUM COKE/BITUMINOUS COAL
AIR EMISSIONS TEST

A) STACK TEST - BASELINE RESULTS

DATE	(3 RUN AVE.) PARTICULATE (lbs/MBN)	(3 RUN AVG.) SO_3 (ppm)	(3 RUN AVG.) CO (ppm)
7/18/95	0.007	6.96	10.29
7/19/95	0.003	5.19	45.16
7/20/95	0.0096	5.55	67.00
8/8/95	0.009	7.04	21.15

B) STACK TEST - BLEND RESULTS

DATE	(3 RUN AVG.) PARTICULATE (lbs/MBN)	(3 RUN AVG.) SO_3 (ppm)	(3 RUN AVG.) CO (ppm)
8/11/95	-----	7.54	312.96
8/12/95	-----	9.21	497.58
8/13/95	-----	14.03	745.64
8/14/95	0.011	-----	-----
8/15/95	0.006	-----	-----
8/16/95	0.004	-----	-----
8/17/95	0.009	-----	-----
8/18/95	-----	11.37	467.90
8/19/95	0.003	-----	-----

ATTACHMENT F

CERTIFIED MAIL

SJRO LC 95 094

June 14, 1995

Mr. Steve Pace
RESD
421 W. Church St.
Jacksonville, FL 32202

RE: Site Certification No. PA 81-13
St. Johns River Power Park (SJRPP) Unit I
Authorization of Test Burn Using Petroleum Coke with Coal
Request for Approval - Pollutants & Testing Methodology

Dear Mr. Pace:

The above referenced facility was authorized by your agency's March 30, 1995, letter to test burn a blend of petroleum coke with coal (Attachment A). Condition #20 requires "Prior written approval of the pollutants to be tested for and the appropriate test methods are mandatory prior to commencement of testing. The proposal shall be submitted to the Site Certification Office, the Department's BAR office and the Duval County's RESD office for approval."

Pursuant to Condition #7, stack tests shall be conducted for the pollutants particulate matter, carbon monoxide and sulfuric acid mist. The following are the EPA Reference methodologies which are contained in 40 CFR 60 that shall be conducted:

1)	Particulate matter	-	EPA Method 5B
2)	Carbon Monoxide	-	EPA Method 10
3)	Sulfuric Acid Mist	-	EPA Method 8

Conditions #3 and #4 specifies that as-burned fuel samples shall be collected and analyzed for sulfur, nitrogen and metals. The baseline coal and pet coke/coal blend shall be sampled from the sampling building loading belt transfer to the Unit 1 to analyze the parameters in accordance with the following methods:

1)	Sulfur	ASTM D 4239 Method "C"
2)	Nitrogen	ASTM D 5373
3)	Chromium	ASTM D 3683
4)	Lead	ASTM D 3683
5)	Mercury	ASTM D 3684
6)	Nickel	ASTM D 3683
7)	Beryllium	ASTM D 3683
8)	Vanadium	ASTM D 3683
9)	Zinc	ASTM D 3683

The testing is scheduled to commence July 11, 1995 for the baseline. Your expeditious review and response are appreciated.

Please contact me at (904) 751-7729 if you have any questions.

Sincerely,

Jay Worley
Environmental & Safety Manager

JAW/pct

cc: R. Breitmoser

REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT
Air Quality Division

June 22, 1995

Mr. Jay Worley
Environmental & Safety Manager
St. Johns River Power Park (SJRPP)
11201 New Berlin Road
Jacksonville, Florida 32226

RE: Request for Approval - Pollutants & Testing Methodology
Unit #1 Test Burn Using Petroleum Coke with Coal
Site Certification No. PA 81-13
SJRPP Correspondence of June 14, 1995

Dear Mr. Worley:

This is to acknowledge receipt and review of the above captioned SJRPP correspondence, submitted June 15, 1995.

Regulatory & Environmental Services Department (RESD) agrees that the use of EPA Reference Test Methods 5B, 10, and 8 for the testing of particulate matter, carbon monoxide, and sulfuric acid mist, respectively, during the above referenced test burn, satisfies Condition No. 20 of the Site Certification.

If there are any questions concerning this matter, please contact me at (904) 630-3484.

Very truly yours,

Robert S. Pace, P.E.
Division Chief

RSP/WLW/be

c: AQD File 1710 B
Wayne Walker, AQD

421 West Church Street - Suite 412
Jacksonville, Florida 32202-4111

Area Code 904/630-3484

ATTACHMENT G

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 7-18-95 UNIT #: 1

TIME	INITIALS	2494 HEAT INPUT (MMBTU/HR)	STEAM 64 PRODUCTION (MMLBS/HR)	GROSS MW	344	404	464	524	584	644	764	
					FUEL INPUT RATE (TONS/HR)							
					A	B	C	D	E	F	G	
0000												
0100												
0200												
0300												
0400												
0500												
0600	E.A.	4132	3.52	511	36.5	34	35.5	9/S	36.5	34	36	88.
0700	E.A.	4952	4.40	640	47	44	44	9/S	46	43.5	45	86.4
0800	E.A.	5131	4.57	657	46.5	44.5	44	9/S	45.5	40	44.5	90.
0900	E.A	5152	4.56	658	46	44.5	44	9/S	44.5	40	45.5	86.
1000	E.A	5161	4.58	658	46	44	44	9/S	45.5	40	45	86.
1100	E.A	5152	4.56	658	45.5	42	43	9/S	45	40	44	84.
1200	E A	5146	4.57	659	46	43	44	9/S	45.5	40	45	86.
1300	E A	5119	4.58	659	46.5	45	43.5	0/S	44	38.5	44	90.
1400	E A	5176	4.57	658	46	44	43.5	9/S	44.5	38.5	45	88.
1500	E A	5078	4.36	632	43.5	41.5	41.5	9/S	41	30	40.5	88.
1600	E A	5042	4.37	636	40.5	39	38.5	38.5	39.5	9/S	39.5	79.
1700	E A	5172	4.59	660	43	42.5	42	42.5	42.5	9/S	42.5	87.
1800	mT	5155	4.58	656	43	42.5	43	43.5	43.5	0/S	43	86.
1900	mT	5165	4.56	659	44	42.5	42.5	43.5	43.5	0/S	43	86.
2000	mT	5125	4.52	657	44	42.5	42.5	43.5	43.5	0/S	43	86.
2100	mT	5161	4.56	658	44	42	42.5	43	43	0/S	42.5	90.
2200	mT	4999	4.32	629	42.5	40	41	41.5	42.5	0/S	42.5	
2300	mT	4989	4.35	630	45.5	43	43	43	44	0/S	44	

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 7/19/95 UNIT #: 1

TIME	INITIALS	2494 HEAT INPUT (MMBTU/HR)	STEAM 64 PRODUCTION (MMLBS/HR)	Gross MW/HR	344 A	404 B	464 C	524 D	584 E	644 F	704 G	
					FUEL INPUT RATE (TONS/HR)							
0000	mT	4961	4.34	629	42	39.5	41	41.5	43	o/s	42.5	3[illegible]
0100	mT	5227	4.53	658	47.5	45	45	45.5	45.5	o/s	45	33.
0200	mT	5121	4.53	654	44	41.5	42.5	43	44	o/s	44	39.
0300	mT	5176	4.51	654	46	43	43.5	37.5	44	o/s	43.5	99.
0400	mT	5106	4.50	653	45	42.5	43.5	40.5	45	o/s	45.5	8[illegible]
0500	mT	5162	4.55	657	44.5	41	41.5	41	42.5	o/s	42	88.
0600	"	5147	4.56	659	45	42	42.5	43	44	o/s	43.5	39.
0700	"	5142	4.55	657	44.5	42	42.5	43	44	o/s	43	38.[illegible]
0800	"	5188	4.55	658	44	41	42	43	43.5	o/s	44	86.
0900	"	5181	4.53	657	46	43	43.5	44	44	o/s	45	88.1
1000	"	5146	4.59	659	44.5	41.5	43	44	44.5	o/s	43.5	86.
1100	"	5206	4.57	659	45	41.5	42.5	42.5	44.5	o/s	43	88.
1200	"	5325	4.71	675	46	42.5	43.5	43.5	45	o/s	44	88.[illegible]
1300	"	5394	4.71	676	46	43	44	44	45	o/s	44.5	86.
1400	"	5317	4.68	673	44.5	41.5	42.5	42.5	44	o/s	43	8[illegible]
1500	"	5293	4.74	674	42.5	40	41	41	41.5	o/s	42	88.1
1600	"	5267	4.67	667	44.5	42.5	43.5	43.5	44.5	o/s	44	88.
1700	"	5248	4.70	677	45	42.5	43.5	44	44.5	o/s	44	86.
1800	Eap	5275	4.70	673	45	42.5	43.5	43.5	44	o/s	44.5	86.
1900	Eap	5267	4.70	674	45	42	43	43	44	o/s	43.5	86.
2000	Eap	5285	4.70	674	45.5	43	43.5	43.5	45	o/s	44.5	86.
2100	Eap	5308	4.68	675	45	42.5	43.5	44	44.5	o/s	44	8[illegible]
2200	Eap	5287	4.70	673	45.5	42.5	43	43.5	44.5	o/s	44	[illegible]
2300	Eap	5279	4.71	675	45	43	43.5	43.5	44.5	o/s	44.5	[illegible]

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 7/20/95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR) 2494	STEAM PRODUCTION (MMLBS/HR) 64	MW/HR	FUEL INPUT RATE (TONS/HR) 344 A	404 B	464 C	524 D	584 E	644 F		
0000	EAP	5299	4.73	678	45.5	43	43.5	42	44	0/S	44	
0100	EAP	5309	4.70	676	46	44	45	41	46	0/S	45.5	
0200	EAP	5303	4.73	670	46	43.5	44	42	45.5	0/S	45.5	
0300	EAP	5307	4.72	671	46	44	44.5	41	45.5	0/S	45	
0400	EAP	5323	4.68	673	45.5	43	43.5	41	45	0/S	44.5	
0500	EAP	5318	4.72	671	44.5	41.5	44.5	0/S	45.5	41.5	45.5	
0600	EA	5209	4.51	651	43	40.5	42.5	0/S	42.5	42	42	
0700	EA	5200	4.56	660	44	43	43	0/S	44.3	43	43.5	
0800	EA	5188	4.59	660	45.5	42.5	43.5	0/S	44.5	43	44	
0900	EA	5170	4.60	659	44	44.5	43.5	0/S	44.5	43	44.5	
1000	EA	5184	4.59	658	45	42.5	43	0/S	44.5	43	46	
1100	EA	5291	4.68	671	46	44	44	0/S	45	43.5	45	
1200	EA	5274	4.68	674	46	44.5	44	0/S	45	43.5	45	
1300	EA	5262	4.69	671	46	44.5	44	0/S	45	43.5	45	
1400	EA	5265	4.69	671	46	44	43.5	0/S	44.5	43.5	44.5	
1500	EA.	5258	4.69	671	46	44	44	0/S	45.5	43	44.5	
1600	EA	5332	4.74	672	46.5	44	44	0/S	45	43.5	45	
1700	EA	5318	4.68	668	46.5	45	45	0/S	45.0	43.5	45	
1800	MD	5322	4.69	670	46	45	45	0/S	45	43.5	44.5	
1900	Test Complete per S.S.											
2000												
2100												
2200												
2300												

η_B

ST.JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-8-95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MKLBS/HR)	GROSS MW	FUEL INPUT RATE (COMMAND) (K#/hr) A	B	C	D	E	F	G
0000														
0100														
0200														
0300														
0400														
0500														
0600														
0700	JB	5841	88.6	1002	2390	4.58	660	85	80	80	85	82	71	9/5
0800	JB	5830	88.5	1002	2398	4.57	660	84	79	80	85	82	78	—
0900	JB	5849	88.5	1002	2395	4.58	660	80	73	75	85	78	72	—
1000	JB	5983	88.6	1005	2402	4.68	677	86	80	81	85	85	80	—
1100	JB	5956	88.6	1002	2394	4.69	674	87	81	82	85	85	81	—
1200	JB	5971	88.6	997	2395	4.70	670	86	79	82	85	85	80	—
1300	RG	5947	88.6	998	2394	4.70	669	84	78	79	85	82	78	—
1400	JB	5984	88.5	999	2394	4.69	667	84	78	80	85	82	78	—
1500	JB	5958	88.5	1002	2397	4.70	670	84	77	79	85	80	77	—
1600	RG	5993	88.4	1001	2396	4.71	669	85	79	80	86	84	78	—
1700	JB	5950	88.5	1000	2394	4.70	669	85	79	81	85	83	78	—
1800	CH	5955	88.5	1001	2403	4.72	671	86	80	81	85	84	79	—
1900	CH	5892	88.5	1000	2400	4.60	658	86	81	82	85	84	81	—
2000	CH	5867	88.5	1002	2405	4.57	656	87	81	83	86	85	80	—
2100	CH	5849	88.6	1003	2399	4.61	659	84	78	80	84	79	77	—
2200	CH	5863	88.5	1006	2414	4.59	660	83	76	79	86	81	76	—
2300	CH	5757	88.6	998	2398	4.52	644	79	74	76	85	79	75	—

DEH Value

ST.JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-10-95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (POUNDS) (Klb/hr) A	B	C	D	E	F	G
0000	EA	5827	88.8	996	2410	4.60	653	—	78	80	81	83	79	83
0100	EA	5790	88.8	1002	2400	4.60	658	—	82	83	84	85	80	85
0200	EA	5792	88.8	997	2408	4.60	658	—	81	82	83	85	80	85
0300	EA	5790	88.8	1000	2405	4.60	656	—	80	81	83	83	79	82
0400	EA	5087	88.5	996	2391	3.69	550	—	65	68	68	69	67	69
0500	EA	5364	88.7	1001	2402	4.18	613	—	76	77	77	79	75	80
0600	JB	5850	88.6	1010	2412	4.57	655	—	77	80	80	80	77	82
0700	Ry	5849	88.7	1001	2383	4.58	658	—	79	81	82	83	78	83
0800	Ry	5831	88.9	1001	2398	4.59	659	—	81	82	82	84	80	84
0900	JC3	5882	88.9	1005	2412	4.55	660	-	80	82	82	83	79	83
1000	JB	5622	88.8	996	2399	4.40	639		81	82	84	84	81	81
1100	Ry	5809	88.6	992	2409	4.63	659	74	67	70	70	73	68	72
1200	JB	5813	88.7	1006	2401	4.61	659	77	71	73	73	76	50	76
1300	Ry	5848	88.7	1004	2404	4.59	658	75	69	71	71	73	68	72
1400	Ry	5871	88.8	1007	2400	4.62	658	84	79	—	81	83	78	82
1500	JB	5839	88.8	999	2414	4.59	658	84	78	—	79	81	76	80
1600		BUSY - Problems with unit & Pulv swaps												
1700	JB	6063	88.6	1004	2406	4.71	672	—	83	84	84	86	85	85
1800	DB	6001	88.7	1005	2401	4.70	670	—	81	84	83	86	82	85
1900	DB	6003	88.8	994	2385	4.69	668	-	78	82	80	85	79	84
2000	DB	5979	88.9	993	2382	4.68	665	-	77	82	81	85	78	83
2100	DB	6029	88.8	1001	2425	4.74	679	-	79	82	81	85	79	84
2200	DB	5852	88.9	1011	2368	4.64	664	-	85	89	89	95	86	92
2300	DB	5898	88.7	1005	2397	4.61	658	-	79	83	83	86	80	85

ST. JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-11-95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	DB	5756	89	1000	2401	4.60	659	O/S	74	76	77	81	76	80
0100	DB	5865	88.7	1001	2409	4.58	653	O/S	78	83	81	85	80	85
0200	DB	5705	88.9	997	2397	4.50	642	O/S	75	77	76	80	74	77
0300	DB	5745	88.9	1008	2402	4.52	655	O/S	77	82	81	85	79	84
0400	DB	5784	88.8	1007	2413	4.53	652	O/S	78	83	82	86	81	85
0500	DB	5813	88.9	1004	2407	4.58	658	O/S	79	83	81	85	80	84
0600	mH	5794	89	1007	2387	4.57	659	O/S	80	83	83	85	80	84
0700	mH	5801	89	1004	2388	4.58	659	O/S	80	81	82	84	80	84
0800	mH	5821	88.9	996	2385	4.61	658	O/S	79	80	83	83	79	83
0900	mH	5787	89	1000	2384	4.59	659	O/S	79	80	81	82	78	83
1000	mH	5803	89	1003	2381	4.59	659	O/S	80	80	81	83	79	83
1100	mH	5955	88.8	1010	2384	4.65	669	O/S	81	83	84	86	81	86
1200	mH	5934	88.8	1008	2383	4.68	673	O/S	81	83	82	86	81	85
1300	mH	6019	88.7	987	2391	4.76	670	77	50	73	73	74	70	74
1400	mH	5919	88.7	998	2384	4.71	669	77	71	73	50	75	71	74
1500	mH	5993	88.8	997	2372	4.69	665	O/S	74	76	76	78	74	77
1600	mH	5928	89	1000	2380	4.70	670	O/S	80	81	81	83	79	84
1700	mH	5931	88.9	1003	2389	4.70	672	O/S	80	81	82	84	80	84
1800	DS	5925	89.0	1002	2383	4.70	670	O/S	80	82	81	84	79	83
1900	DS	5897	89.0	1002	2386	4.69	668	O/S	80	82	82	84	79	84
2000	DS	5893	89.0	1002	2391	4.68	669	O/S	81	82	82	84	80	84
2100	DS	5937	88.9	1003	2390	4.71	669	O/S	80	83	82	84	81	84
2200	DS	5934	89.1	1011	2382	4.68	669	O/S	81	82	82	84	80	85
2300	DS	5916	93.9	1001	2385	4.68	667	O/S	80	83	83	84	79	83

VWO

ST.JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8·12·95 UNIT #: ONE

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	DS	5914	88.9	1005	2381	4.68	670	0/S	81	82	82	83	79	84
0100	DS	5942	89.2	1001	2392	4.72	668	0/S	81	82	83	84	79	84
0200	DS	5889	88.8	1005	2381	4.65	657	0/S	79	81	82	83	78	82
0300	DS	5789	88.9	1001	2389	4.55	650	0/S	79	81	81	83	78	82
0400	DS	5633	89.0	999	2401	4.43	635	0/S	75	77	78	80	75	79
0500	DS	5264	94.0	995	2381	4.09	595	0/S	75	77	77	79	74	78
0600	EAP	5445	~~94.0~~ 89.1 EAP	999	2394	4.18	612	0/S	72	75	75	76	72	76
0700	EAP	5611	89.0	992	2378	4.35	632	0/S	73	76	76	78	73	77
0800	EAP	5699	89.0	1005	2376	4.51	650	0/S	78	81	80	82	78	82
0900	EAP	5760	89.1	999	2378	4.61	659	0/S	80	81	82	84	79	83
1000	EAP	5794	89.1	1007	2391	4.56	657	0/S	75	78	80	80	76	79
1100	EAP	5777	89.1	1000	2381	4.61	657	0/S	79	82	82	84	79	83
1200	EAP	5791	89.0	1001	2373	4.57	654	0/S	76	80	79	81	76	80
1300	EAP	5857	89.0	1002	2378	4.59	660	0/S	80	82	80	84	77	83
1400	EAP	5810	88.9	1001	2385	4.63	658	0/S	74	77	77	79	79	81
1500	EAP	5877	88.9	1003	2380	4.61	656	0/S	77	80	82	83	77	75
1600	EAP	5922	88.7	1002	2378	4.61	658	0/S	79	81	81	83	79	82
1700	EAP	5809	89.0	999	2387	4.60	657	0/S	79	81	81	81	78	83
1800	DB	5806	89	1000	2393	4.55	659	0/S	77	81	80	84	77	82
1900	DB	5777	89.1	1004	2402	4.60	657	0/S	78	82	81	85	80	84
2000	DB	5804	89.1	1002	2398	4.59	657	0/S	77	81	81	84	77	83
2100	DB	5832	89.0	993	2401	4.62	657	0/S	77	81	79	82	77	80
2200	DB	5780	89.0	997	2395	4.51	654	0/S	78	81	80	84	78	81
2300	DB	5790	88.9	998	2391	4.46	648	0/S	81	85	84	88	82	85

ST. JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-13-95 UNIT #: 1

	TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
	0000	DB	5746	89.1	999	2381	4.55	654	O/S	85	85	85	87	83	85
	0100	DB	5699	89.0	993	2396	4.50	654	O/S	81	81	85	88	77	80
	0200	DB	5591	88.9	1002	2396	4.45	632	O/S	81	80	85	86	80	85
	0300	DB	5791	89.0	1004	2403	4.50	650	O/S	83	82	86	88	80	85
	0400	DB	5730	88.9	998	2411	4.47	643	O/S	79	82	81	85	80	84
	0500	DB	5601	88.8	1009	2417	4.35	630	O/S	75	78	76	80	75	78
	0600	MT	5571	88.9	999	2386	4.35	635	O/S	75	76	77	78	72	77
	0700	MT	5441	89.0	1000	2385	4.20	619	O/S	74	75	76	77	73	77
	0800	MT	5774	88.8	997	2400	4.60	659	O/S	81	82	82	84	80	84
	0900	MT	5786	88.9	999	2383	4.58	659	O/S	77	80	79	81	76	81
	1000	MT	5835	88.9	1001	2387	4.60	661	O/S	79	81	83	83	79	83
	1100	MT	5802	89.0	999	2386	4.60	661	O/S	80	82	83	83	80	83
	1200	MT	5854	88.9	1004	2391	4.61	661	O/S	79	81	82	83	79	84
IWO	1300	MT	5902	88.9	1005	2397	4.65	676	O/S	81	82	83	85	81	84
VWO	1400	MT	5722	88.8	1003	2383	4.70	674	O/S	80	82	82	84	80	84
VWO	1500	MT	5944	88.8	1001	2378	4.69	671	O/S	80	82	82	84	80	84
VWO	1600	MT	5930	88.9	1003	2389	4.71	672	O/S	80	82	82	84	80	85
	1700	MT	5945	89.1	1003	2387	4.71	669	O/S	80	82	82	83	80	85
	1800	DS	5912	89.1	1001	2389	4.69	672	O/S	79	81	81	83	79	83
	1900	DS	5934	89.1	997	2393	4.70	671	O/S	79	82	82	84	79	83
	2000	DS	5910	88.9	1000	2393	4.68	671	O/S	81	82	83	85	81	85
	2100	DS	5930	89.0	998	2390	4.69	674	O/S	82	83	83	84	80	84
	2200	DS	5908	88.9	995	2397	4.71	670	O/S	79	80	81	83	79	82
	2300	DS	5915	88.9	1003	2387	4.67	671	O/S	79	81	80	83	79	84

ST. JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-14-95 UNIT #: ONE

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	DS	5829	88.9	997	2403	4.59	658	O/S	80	82	82	84	80	84
0100	DS	5879	88.9	994	2391	4.64	658	O/S	80	82	81	83	79	83
0200	DS	5885	88.8	1002	2391	4.63	659	O/S	79	82	82	84	80	83
0300	DS	5844	88.9	997	2404	4.61	639	O/S	77	76	77	77	75	77
0400	DS	5906	88.8	1001	2389	4.67	658	O/S	79	81	81	77	78	82
0500	DS	5838	88.7	1001	2385	4.59	658	O/S	79	82	82	82	79	84
0600	[illegible]	5838	88.9	1000	2400	4.59	657	O/S	79	82	82	81	73	84
0700	[illegible]	5801	88.4	987	2400	4.63	655	O/S	77	80	81	80	74	79
0800	[illegible]	5831	88.9	997	2405	4.62	657	O/S	78	80	81	81	78	84
0900	[illegible]	5814	89.0	1007	2401	4.60	658	O/S	80	81	82	81	79	83
1000	[illegible]	5761	88.7	1005	2410	4.63	667	O/S	83	84	85	84	83	86
1100	[illegible]	5951	89.1	1001	2399	4.70	667	O/S	80	83	83	82	81	85
1200	[illegible]	5923	89.1	1005	2393	4.70	667	O/S	81	82	83	81	81	85
1300	[illegible]	5915	89.1	1005	2411	4.72	671	O/S	80	82	83	83	81	84
1400	[illegible]	5955	89.1	1000	2398	4.71	665	O/S	81	82	82	82	80	83
1500	[illegible]	5953	89.0	1001	2404	4.72	668	O/S	80	82	82	84	82	84
1600	[illegible]	5957	89.0	996	2396	4.72	665	O/S	80	81	81	81	80	83
1700	[illegible]	5959	89.0	998	2401	4.71	667	O/S	80	81	82	81	80	83
1800	EAP	5962	88.9	1000	2386	4.72	671	O/S	80	82	82	82	79	84
1900	EAP	5934	89.0	997	2387	4.71	670	O/S	80	82	82	82	79	83
2000	EAP	5950	89.0	997	2393	4.72	670	O/S	81	81	81	81	79	83
2100	EAP	5970	89.0	1007	2372	4.66	667	O/S	82	84	84	84	81	86
2200	EAP	5974	89.0	1004	2390	4.71	672	O/S	78	80	80	80	76	82
2300	EAP	5877	88.9	1001	2392	4.66	668	O/S	79	81	81	81	78	82

ST. JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-15-95 UNIT #: ONE

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	EAP	5680	89.1	1012	2381	4.39	640	P/S	77	79	80	80	77	83
0100	EAP	5814	88.9	1002	2393	4.63	659	P/S	80	81	82	82	79	84
0200	EAP	5864	89.0	1003	2391	4.60	657	P/S	78	80	80	79	77	81
0300	EAP	5818	89.1	997	2389	4.61	657	P/S	78	80	80	80	78	82
0400	EAP	5791	88.9	987	2399	4.57	648	P/S	77	79	78	78	75	79
0500	EAP	5833	89.0	1013	2374	4.52	658	P/S	80	81	81	81	78	82
0600	EA	5841	88.8	1006	2408	4.57	658	P/S	78	79	80	80	78	81
0700	EA	5815	88.9	988	2401	4.60	659	P/S	79	81	80	81	77	83
0800	EA	5676	88.7	1000	2426	4.38	635	P/S	69	72	72	72	70	75
0900	EA	5904	88.6	998	2392	4.69	667	P/S	78	80	80	80	78	82
1000	EA	6025	88.7	995	2404	4.74	672	P/S	83	82	83	82	80	83
1100	EA	5983	88.7	1002	2399	4.70	667	P/S	80	82	83	81	81	82
1200	EA	5975	88.7	994	2401	4.72	667	P/S	79	83	82	82	80	84
1300	EA	5947	88.5	1008	2406	4.70	670	P/S	81	82	83	82	81	85
1400	EA	5990	88.3	998	2411	4.73	669	P/S	81	82	82	83	80	84
1500	EA	5970	88.3	999	2400	4.70	667	P/S	79	81	82	81	79	83
1600	EA	5938	88.8	1000	2412	4.73	670	P/S	79	83	84	82	81	84
1700	EA	5935	88.5	1002	2393	4.68	667	P/S	81	82	83	82	80	84
1800	MT	6006	88.5	992	2401	4.75	672	P/S	77	79	79	79	77	82
1900	MT	6005	88.4	998	2399	4.75	677	P/S	82	84	84	83	82	85
2000	MT	5991	88.4	997	2391	4.71	671	P/S	81	82	84	82	80	83
2100	MT	6012	88.6	1000	2389	4.71	673	P/S	81	83	83	81	80	84
2200	MT	5975	88.8	1000	2393	4.73	675	P/S	80	81	81	81	79	83
2300	MT	5898	89.0	1002	2405	4.60	660	P/S	78	79	80	79	78	81

ST. JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8/16/95 UNIT #: ONE

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MKLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	mH	5814	88.9	1003	2382	4.58	658	o/s	78	80	80	80	77	83
0100	mH	5815	88.9	1001	2385	4.57	661	o/s	78	80	80	81	78	81
0200	mH	5848	88.8	1001	2393	4.57	651	o/s	74	76	77	77	75	79
0300	mH	5825	88.8	986	2393	4.62	660	o/s	79	81	81	83	79	83
0400	mH	5867	88.7	995	2388	4.62	661	o/s	79	81	81	83	79	83
0500	mH	5812	88.8	999	2388	4.57	654	o/s	75	78	78	80	76	80
0600	"	5721	88.8	1000	2399	4.52	650	o/s	78	79	80	82	78	82
0700	"	5800	88.9	1008	2400	4.58	660	o/s	77	78	78	81	76	81
0800	"	BD	BD	1007	2399	4.29	621	o/s	75	77	78	81	76	81
0900	"	5924	88.7	1004	2389	4.68	668	o/s	79	82	80	83	78	83
1000	"	5959	88.7	1002	2395	4.70	671	o/s	80	82	82	84	79	84
1100	"	5990	88.7	1005	2411	4.72	673	o/s	80	83	82	84	80	84
1200	"	5956	88.6	1000	2407	4.73	671	o/s	82	82	83	85	80	85
1300	"	5970	88.6	1008	2392	4.67	669	o/s	82	85	84	87	83	86
1400	"	6037	88.7	987	2399	4.74	665	o/s	79	80	80	83	78	81
1500	"	6007	88.6	1006	2381	4.66	6600	o/s	82	84	85	87	82	87
1600	mH	5114	88.5	990	2371	4.75	668	o/s	79	81	81	83	77	83
1700	mH	6042	88.6	1000	2373	4.75	663	o/s	77	82	80	82	77	81
1800	Exp	5949	88.9	1001	2413	4.75	677	o/s	80	83	83	85	80	85
1900	Exp	5950	89.1	992	2380	4.72	664	o/s	78	80	82	81	78	82
2000	Exp	5971	89.1	995	2389	4.72	671	o/s	80	81	81	83	79	83
2100	Exp	5922	89.1	999	2386	4.70	672	o/s	81	83	83	84	79	85
2200	Exp	5929	89.1	999	2391	4.72	673	o/s	81	82	82	83	79	84
2300	Exp	5829	89.3	1005	2393	4.59	658	o/s	79	80	80	82	77	83

ST. JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-17-95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) A	B	C	D	E	F	G
0000	ECP	5827	89.3	1003	2399	4.62	658	0/S	81	82	82	84	80	84
0100	ECP	5813	89.2	1004	2389	4.62	658	0/S	80	81	80	84	79	82
0200	ECP	5897	89.1	996	2391	4.63	658	0/S	81	82	82	85	80	84
0300	ECP	5839	89.2	998	2383	4.61	657	0/S	80	81	82	83	79	83
0400	ECP	5669	88.8	1002	2383	4.46	637	0/S	77	80	79	81	75	78
0500	ECP	5123	89.0	1011	2374	3.97	560	0/S	72	75	74	76	71	75
0600	EA	5866	88.6	992	2411	4.62	658	0/S	76	78	79	80	76	80
0700	EA	5882	88.6	999	2398	4.60	658	0/S	78	79	78	82	78	82
0800	EA	5919	88.4	996	2393	4.61	655	0/S	80	82	82	84	79	83
0900	EA	5859	88.4	1003	2407	4.60	658	0/S	79	80	80	84	78	82
1000	EA	5913	88.4	1004	2401	4.60	658	0/S	79	81	81	83	79	82
1100	EA	5962	88.6	1001	2407	4.72	673	0/S	80	81	81	83	80	83
1200	EA	6000	88.6	996	2397	4.71	669	0/S	77	79	80	81	76	81
1300	EA	5968	88.7	997	2405	4.72	672	0/S	77	79	80	81	77	81
1400	EA	6013	88.6	1001	2404	4.71	670	0/S	77	79	79	81	77	81
1500	EA	5960	88.5	997	2403	4.73	670	0/S	77	79	79	80	76	81
1600	EA	6012	88.4	1001	2401	4.71	670	0/S	77	79	79	81	76	81
1700	EA	5962	88.4	1001	2409	4.73	673	0/S	77	79	77	81	76	81
1800	MD	5993	88.3	1006	2402	4.69	669	0/S	76	78	78	79	76	81
1900	MD	5997	88.3	1001	2401	4.69	672	0/S	76	76	78	78	77	80
2000	MD	5999	88.3	1002	2407	4.72	672	0/S	76	80	79	84	77	82
2100	MD	5959	88.3	1000	2406	4.72	672	0/S	77	81	80	84	78	83
2200	RG	5794	88.4	993	2313	4.55	657	0/S	71	72	73	76	73	76
2300	MD	5734	88.4	993	2393	4.47	638	0/S	74	78	76	81	75	78

ST. JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8/18/95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) KLBS/HR A	B	C	D	E	F	G
0000	WD	5712	88.4	1000	2401	4.39	636	O/S	78	78	76	81	75	78
0100	WD	5703	88.4	1001	2398	4.39	633	O/S	74	78	76	81	75	78
0200	WD	5755	88.6	1009	2398	4.52	651	O/S	75	77	77	81	75	81
0300	WD	5754	88.8	1001	2397	4.62	657	O/S	74	78	77	81	75	81
0400	WD	5798	88.8	1000	2399	4.61	658	O/S	74	78	77	81	75	81
0500	WD	5865	88.7	1005	2400	4.61	661	O/S	74	76	77	81	74	81
0600	T.S.	5824	88.6	1003	2398	4.57	655	O/S	75	76	78	80	73	80
0700	Tony	5834	88.6	1000	2401	4.57	652	O/S	74	76	77	79	74	80
0800	Tony	5860	88.7	1010	2397	4.57	654	O/S	75	76	78	79	73	80
0900	Tony	5984	88.6	999	2401	4.67	663	O/S	77	78	79	80	75	74
1000	Tony	5993	88.6	1006	2392	4.70	670	O/S	75	76	77	81	75	79
1100	Tony	5954	88.7	999	2397	4.71	672	O/S	76	78	78	80	76	80
1200	Tony	5964	88.6	998	2401	4.71	672	O/S	76	78	78	81	76	81
1300	Tony	5924	88.7	1003	2401	4.71	670	O/S	76	78	78	80	75	80
1400	Tony	5950	88.6	1002	2404	4.72	670	O/S	75	77	77	80	74	80
1500	Tony	5944	88.7	999	2400	4.71	670	O/S	76	78	78	81	75	80
1600	Tony	5965	88.6	986	2410	4.71	670	O/S	75	76	78	80	74	80
1700	Tony	5965	88.5	1001	2402	4.71	670	O/S	75	78	78	79	75	79
1800	JB	5990	88.3	1000	2404	4.71	671	—	76	77	78	80	76	80
1900	JB	5968	88.2	1001	2405	4.71	672	-	76	77	76	80	75	79
2000	JB	5999	88.3	999	2400	4.71	672	-	76	78	78	80	75	80
2100	JB	5978	88.4	1000	2404	4.71	671	-	76	78	78	79	74	79
2200	JB	6004	88.4	1000	2397	4.70	671	—	75	77	77	78	75	79
2300	JB	5824	88.5	1006	2405	4.58	660	—	76	78	78	78	77	78

ST. JOHNS RIVER POWER PARK

PETROLEUM COKE/COAL TRIAL BURN

BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8-17-95 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (TONS/HR) KLBS/HR A	B	C	D	E	F	G
0000	MB	5969	88.2	998	2403	4.62	658	P/S	74	76	76	78	74	78
0100	MB	5868	88.5	999	2408	4.61	660	P/S	76	75	77	76	75	76
0200	MB	5900	88.5	1003	2400	4.61	659	-	76	75	77	76	75	75
0300	MB	5918	88.5	1006	2402	4.68	672	-	76	74	77	76	75	76
0400	MB	5883	88.6	1005	2401	4.67	670	P/S	76	75	77	76	74	76
0500	MB	5885	88.6	1004	2402	4.64	664	-	77	75	77	77	74	76
0600	A.L.	5942	88.5	1002	2383	4.65	665	P/S	76	75	77	76	74	76
0700	A.L.	5991	88.5	1002	2397	4.67	667	P/S	76	75	77	76	75	76
0800	A.L.	5923	88.5	997	2401	4.63	662	P/S	76	76	77	76	75	76
0900	A.L.	5906	88.6	1001	2402	4.67	664	P/S	74	74	77	75	75	76
1000	A.L.	5924	88.5	1000	2387	4.64	658	P/S	76	74	77	77	74	75
1100	A.L.	5831	88.8	1003	2402	4.59	664	P/S	77	75	77	76	75	76
1200	A.L.	5890	88.9	994	2400	4.66	665	P/S	76	75	77	76	75	76
1300	DS	5930	89.2	1002	2386	4.70	672	P/S	77	79	79	77	77	80
1400	DS	5957	89.2	999	2393	4.74	672	P/S	76	78	79	77	76	80
1500	T.L.	5941	89.2	996	2403	4.72	671	P/S	76	78	78	77	76	80
1600	T.L	5943	89.2	1002	2405	4.72	673	P/S	76	78	79	75	76	80
1700	T.L	5904	89.2	1004	2404	4.70	672	P/S	77	79	79	76	78	81
1800	MD	BD	BD	990	2405	4.74	675	P/S	76	80	79	78	77	82
1900	MD	BD	BD	1000	2398	4.68	673	P/S	77	81	80	78	79	83
2000	MD	BD	BD	1006	2401	4.70	674	P/S	77	82	80	79	79	83
2100	MD	BD	BD	1003	2407	4.65	660	P/S	78	82	79	83	76	79
2200	MD	BD	BD	1005	2398	4.59	660	P/S	75	80	79	83	76	81
2300	MD	BD	BD	1004	2395	4.58	660	P/S	75	80	77	81	77	80

UNIT OFF VMD BACK TO ABB

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - POWER BLOCK

DATE: 8/20/98 UNIT #: 1

TIME	INITIALS	HEAT INPUT (MMBTU/HR)	BOILER EFFICIENCY (%)	MAIN STEAM TEMPERATURE (DEG. F)	MAIN STEAM PRESSURE (psig)	STEAM PRODUCTION (MMLBS/HR)	GROSS MW	FUEL INPUT RATE (000'S LBS/HR) A	B	C	D	E	F	G
0000	MD	BD	BD	995	2397	4.54	651	ds	75	80	77	81	78	81
0100														
0200														
0300														
0400														
0500														
0600														
0700														
0800														
0900														
1000														
1100														
1200														
1300														
1400														
1500														
1600														
1700														
1800														
1900														
2000														
2100														
2200														
2300														

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-18-95 **TOWER:** 1A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000						
0100						
0200						
0300						
0400						
0500						
0600						
0700	CS	6.07 / 5.96	3.09 / 2.89	4	1.33	1.25
0800	CS	6.08 / 5.97	3.06 / 2.83	3	1.335	1.25
0900	CS	6.08 / 5.95	2.98 / 2.77	3	1.335	1.25
1000	CS	6.07 / 5.95	2.92 / 2.69	3	1.34	1.25
1100	CS	6.06 / 5.94	2.90 / 2.67	3	1.335	1.25
1200	CS	6.06 / 5.93	2.96 / 2.74	3	1.33	1.25
1300	CS	6.04 / 5.92	2.92 / 2.70	3	1.34	1.25
1400	CS	6.03 / 5.92	2.91 / 2.67	3	1.34	1.25
1500	CS	6.03 / 5.93	2.88 / 2.66	4	1.34	1.25
1600	CS	6.04 / 5.93	2.90 / 2.68	4	1.34	1.20
1700	CS	6.02 / 5.92	2.92 / 2.69	5	1.345	1.25
1800	Van	6.04 / 5.93	2.87 / 2.65	5	1.34	1.25
1900	Van	6.05 / 5.96	3.65 / 3.44	3	1.34	1.20
2000	Van	6.03 / 5.94	3.32 / 3.10	3	1.335	1.20
2100	Van	6.03 / 5.93	3.27 / 3.06	4	1.335	1.25
2200	Van	6.04 / 5.94	3.21 / 2.99	4	1.33	1.20
2300	Van	6.03 / 5.94	3.20 / 2.98	4	1.33	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-19-95 TOWER: 1A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Van	6.07 / 5.98	3.72 / 3.52	4	1.34	1.20
0100	Van	6.05 / 5.97	3.38 / 3.16	4	1.33	1.25
0200	Van	6.05 / 5.97	3.33 / 3.12	4	1.32	1.20
0300	Van	6.05 / 5.97	3.26 / 3.05	4	1.33	1.20
0400	Van	6.06 / 5.97	3.29 / 3.07	4	1.33	1.25
0500	Van	6.04 / 5.95	3.24 / 3.01	3	1.33	1.25
0600	CS	6.03 / 5.95	3.30 / 3.08	3	1.32	1.25
0700	CS	6.07 / 5.98	3.77 / 3.57	3	1.33	1.10
0800	CS	6.05 / 5.96	3.46 / 3.24	3	1.335	1.20
0900	CS	6.05 / 5.96	3.33 / 3.12	3	1.33	1.20
1000	CS	6.04 / 5.94	3.33 / 3.11	3	1.33	1.20
1100	CS	6.03 / 5.93	3.28 / 3.08	3	1.33	1.25
1200	CS	6.02 / 5.93	3.33 / 3.13	3	1.33	1.25
1300	CS	6.02 / 5.93	3.27 / 3.06	4	1.34	1.25
1400	CS	6.03 / 5.94	3.22 / 3.00	4	1.325	1.20
1500	CS	6.03 / 5.94	3.16 / 2.94	5	1.33	1.25
1600	CS	6.06 / 5.97	3.48 / 3.27	5	1.33	1.25
1700	CS	6.04 / 5.95	3.36 / 3.14	4	1.33	1.25
1800	Van	6.03 / 5.94	3.27 / 3.04	3	1.33	1.25
1900	Van	6.04 / 5.92	3.62 / 3.41	3	1.33	1.25
2000	Van	6.05 / 5.95	3.81 / 3.59	3	1.33	1.25
2100	Van	6.02 / 5.93	3.51 / 3.27	3	1.33	1.25
2200	Van	6.01 / 5.91	3.40 / 3.17	4	1.33	1.25
2300	Van	6.00 / 5.90	3.32 / 3.07	4	1.33	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-20-95 TOWER: 1A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Von	6.00 / 5.90	3.24 / 2.99	4	1.33	1.25
0100	Von	6.01 / 5.91	3.21 / 2.98	5	1.33	1.25
0200	Von	6.01 / 5.91	3.23 / 2.99	5	1.33	1.20
0300	Von	6.04 / 5.94	3.58 / 3.36	5	1.33	1.20
0400	Von	6.06 / 5.96	3.41 / 3.19	5	1.33	1.20
0500	MN	6.05 / 5.95	3.30 / 3.08	4	1.33	1.30
0600	CS	6.04 / 5.94	3.23 / 3.01	4	1.33	1.20
0700	CS	6.03 / 5.93	3.18 / 2.94	4	1.32	1.25
0800	CS	6.05 / 5.96	3.43 / 3.21	4	1.315	1.20
0900	CS	6.07 / 5.97	3.45 / 3.23	4	1.32	1.20
1000	CS	6.05 / 5.94	3.26 / 3.04	4	1.31	1.20
1100	CS	6.04 / 5.93	3.11 / 2.88	5	1.31	1.25
1200	CS	6.07 / 5.96	3.48 / 3.26	5	1.32	1.25
1300	CS	6.07 / 5.97	3.56 / 3.35	4	1.37	1.25
1400	CS	6.06 / 5.96	3.35 / 3.13	4	1.365	1.30
1500	CS	6.08 / 5.98	3.53 / 3.33	4	1.375	1.25
1600	CS	6.09 / 5.99	3.55 / 3.35	4	1.37	1.25
1700		5				
1800						
1900						
2000						1.027
2100						
2200						
2300						

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7.8.95 **TOWER:** 1A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000						
0100						
0200						
0300						
0400						
0500						
0600						
0700	T.D.	5.94 / 5.75	3.71 / 3.48	3	1.33	1.30
0800	T.D.	5.86 / 5.70	3.75 / 3.51	3	1.33	1.25
0900	T.D.	5.84 / 5.71	3.79 / 3.55	5	1.33	1.20
1000	T.D.	5.79 / 5.71	3.74 / 3.56	5	1.33	1.30
1100	T.D.	5.78 / 5.73	3.75 / 3.55	5	1.33	1.30
1200	T.D.	5.89 / 5.73	3.79 / 3.58	5	1.33	1.25
1300	T.D.	6.14 / 5.77	4.14 / 3.95	5	1.33	1.30
1400	TD	5.91 / 5.76	4.29 / 4.10	5	1.33	1.20
1500	T.D.	5.92 / 5.77	4.24 / 4.07	5	1.33	1.20
1600	TD	5.92 / 5.78	4.25 / 4.05	5	1.33	1.25
1700	TD	5.93 / 5.79	3.92 / 3.70	5	1.33	1.25
1800	CS	5.90 / 5.77	3.85 / 3.63	5	1.33	1.25
1900	CS	5.90 / 5.77	3.87 / 3.64	5	1.325	1.25
2000	CS	6.42 / 5.77	3.88 / 3.65	5	1.33	1.25
2100	CS	6.41 / 5.76	3.88 / 3.66	5	1.33	1.25
2200	CS	6.37 / 5.77	3.86 / 3.65	5	1.33	1.30
2300	CS	6.33 / 5.78	3.85 / 3.63	5	1.34	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-9-95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	CS	5.93 / 5.80	3.86 / 3.63	4	1.34	1.25
0100	CS	5.91 / 5.77	3.86 / 3.63	4	1.34	1.25
0200	CS	5.90 / 5.77	3.84 / 3.60	4	1.34	1.25
0300	CS	5.88 / 5.76	3.84 / 3.59	4	1.34	1.25
0400	CS	5.95 / 5.74	3.87 / 3.62	5	1.34	1.25
0500	CS	5.93 / 5.77	3.86 / 3.61	5	1.34	1.25
0600	T.D.	6.19 / 5.77	3.87 / 3.61	5	1.34	1.30
0700	T.D.	5.68 / 5.67	2.98 / 2.80	5	1.335	1.25
0800	T.D.	5.77 / 5.67	2.78 / 2.51	5	1.34	1.20
0900	T.D.	5.35 / 5.66	5.30 / 2.53	6	1.34	1.40
1000	T.D.	5.37 / 5.67	2.58 / 2.57	6	1.335	1.30
1100	T.D.	5.0 / 5.68	2.61 / 2.62	6	1.33	1.30
1200	T.D.	5.0 / 5.70	2.66 / 2.67	6	1.33	1.30
1300	T.D.	5.71 / 5.76	2.61 / 2.65	6	1.335	1.30
1400	T.D.	5.73 / 5.71	2.92 / 2.92	7	1.33	1.30
1500	T.D.	5.78 / 5.76	3.17 / 3.17	6	1.335	1.25
1600	T.D.	5.79 / 5.74	3.30 / 3.31	5	1.33	1.25
1700	T.D.	5.76 / 5.74	3.22 / 3.24	6	1.33	1.25
1800	CS	5.79 / 5.77	3.27 / 3.27	6	1.33	1.25
1900	CS	5.81 / 5.78	3.22 / 3.23	6	1.345	1.25
2000	CS	5.81 / 5.80	3.44 / 3.46	6	1.34	1.25
2100	CS	5.84 / 5.82	3.40 / 3.42	5	1.34	1.25
2200	CS	5.84 / 5.82	3.27 / 3.27	4	1.33	1.25
2300	CS	5.83 / 5.81	3.18 / 3.19	4	1.34	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-10-95 **TOWER:** A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	CS	5.83 / 5.81	3.11 / 3.11	4	1.33	1.25
0100	CS	5.83 / 5.81	2.70 / 2.69	4	1.345	1.25
0200	CS	5.81 / 5.78	2.61 / 2.60	4	1.33	1.25
0300	CS	5.79 / 5.78	2.63 / 2.61	4	1.335	1.25
0400	CS	5.81 / 5.79	2.65 / 2.64	3	1.33	1.0
0500	CS	5.78 / 5.77	2.62 / 2.61	3	1.34	1.20
0600	T.D.	5.77 / 5.76	2.64 / 2.64	5	1.34	1.25
0700	T.D.	5.75 / 5.75	2.62 / 2.63	6	1.34	1.15
0800	TD	5.75 / 5.75	2.63 / 2.64	6	1.34	1.25
0900	TD	5.76 / 5.76	2.65 / 2.64	7	1.34	1.15
1000	T.D.	5.77 / 5.77	2.72 / 2.74	7	1.34	1.05
1100	TD	5.79 / 5.80	2.72 / 2.75	7	1.34	1.25
1200	T.D.	5.81 / 5.80	2.80 / 2.82	7	1.34	1.25
1300	T.D.	5.81 / 5.81	2.76 / 2.78	7	1.33.5	1.30
1400	T.D.	5.81 / 5.81	2.75 / 2.76	7	1.34	1.40
1500	T.D.	5.82 / 5.82	2.73 / 2.74	7	1.33	1.35
1600	T.D.	5.81 / 5.81	2.72 / 2.73	7	1.335	1.25
1700	T.D.	5.80 / 5.81	2.76 / 2.78	7	1.34	1.30
1800	DM	5.82 / 5.83	3.31 / 3.35	7	1.33	1.40
1900	DM	5.82 / 5.84	3.44 / 3.47	7	1.36	1.30
2000	DM	5.85 / 5.86	3.51 / 3.53	6	1.34	1.25
2100	DM	5.84 / 5.85	3.50 / 3.51	5	1.335	1.25
2200	MM	5.82 / 5.83	3.43 / 3.45	5	1.335	1.28
2300	MM	5.82 / 5.83	3.46 / 3.44	5	1.33	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8/11/95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	MM	5.80 / 5.82	3.39 / 3.41	5	1.335	1.25
0100	MM	5.80 / 5.83	3.35 / 3.38	5	1.33	1.20
0200	MM	5.81 / 5.83	3.32 / 3.34	5	1.325	1.20
0300	MM	5.80 / 5.82	3.26 / 3.28	6	1.325	1.10
0400	MM	5.81 / 5.83	3.34 / 3.37	6	1.34	1.20
0500	MM	5.81 / 5.84	3.07 / 3.08	5	1.34	1.20
0600	Vam	5.78 / 5.82	3.06 / 3.09	6	1.34	1.25
0700	Vam	5.77 / 5.81	2.87 / 2.88	6	1.355	1.25
0800	Vam	5.79 / 5.83	3.10 / 3.13	6	1.345	1.25
0900	Vam	5.80 / 5.84	3.19 / 3.23	6	1.355	1.25
1000	Vam	5.80 / 5.84	3.09 / 3.13	6	1.355	1.25
1100	Vam	5.80 / 5.84	3.15 / 3.18	6	1.36	1.25
1200	Vam	5.80 / 5.84	3.17 / 3.20	5	1.37	1.30
1300	Vam	5.83 / 5.84	3.05 / 3.05	5	1.365	1.25
1400	Vam	5.81 / 5.85	3.08 / 3.12	6	1.38	1.35
1500	Vam	5.81 / 5.86	3.15 / 3.18	5	1.38	1.35
1600	Vam	5.82 / 5.87	3.12 / 3.15	5	1.38	1.30
1700	Vam	5.80 / 5.85	3.08 / 3.10	6	1.38	1.30
1800	R. Rod.	5.79 / 5.86	2.96 / 2.97	6	1.38	1.30
1900	R. Rod.	5.81 / 5.87	2.96 / 2.98	6	1.37	1.31
2000	R. Rod.	5.81 / 5.87	3.11 / 3.12	7	1.35	1.27
2100	R. Rod.	5.82 / 5.89	3.13 / 3.14	7	1.032	1.27
2200	R. Rod	5.81 / 5.87	3.04 / 3.05	6	1.021	1.25
2300	R. Rod.	5.83 / 5.89	3.03 / 3.05	6	1.033	1.26

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-12-95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% draw of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	R.Rudy	5.81 / 5.87	3.05 / 3.06	6	1.034	1.27
0100	R.Rudy	5.82 / 5.89	3.03 / 3.05	6	1.037	1.26
0200	R.Rudy	5.81 / 5.88	3.04 / 3.05	6	1.026	1.25
0300	R.Rudy	5.81 / 5.88	3.10 / 3.12	6	1.034	1.25
0400	R.Rudy	5.81 / 5.89	3.08 / 3.10	6	1.036	1.20
0500	R.Rudy	5.83 / 5.91	3.13 / 3.15	6	1.041	1.22
0600	Vam	5.83 / 5.91	3.09 / 3.10	6	1.37	1.10
0700	Vam	5.80 / 5.88	2.69 / 2.70	6	1.37	1.15
0800	Vam	5.81 / 5.90	3.13 / 3.16	6	1.37	1.25
0900	Vam	5.83 / 5.89	3.11 / 3.12	6	1.355	1.25
1000	Vam	5.82 / 5.88	3.12 / 3.16	6	1.36	1.25
1100	Vam	5.82 / 5.88	3.12 / 3.14	6	1.37	1.25
1200	Vam	5.82 / 5.89	3.16 / 3.17	6	1.36	1.25
1300	Vam	5.80 / 5.87	3.06 / 3.07	6	1.37	1.25
1400	Vam	5.82 / 5.88	3.11 / 3.12	6	1.36	1.25
1500	Vam	5.81 / 5.87	3.07 / 3.09	6	1.37	1.30
1600	Vam	5.84 / 5.90	3.06 / 3.05	6	1.365	1.25
1700	Vam	5.86 / 5.89	2.73 / 2.77	6	1.35	1.20
1800	T.D.	5.83 / 5.89	3.11 / 3.11	6	1.36	1.30
1900	T.D.	5.84 / 5.90	3.06 / 3.07	6	1.35	1.20
2000	T.D.	5.83 / 5.89	3.22 / 3.25	6	1.35	1.25
2100	T.D.	5.81 / 5.87	3.09 / 3.12	6	1.35	1.30
2200	T.D.	5.80 / 5.85	2.77 / 2.77	5	1.35	1.30
2300	TD	5.77 / 5.82	2.67 / 2.69	6	1.35	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 3·13·95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	TD	5.80 / 5.84	2.62 / 2.63	7	1.34	1.20
0100	TD	5.77 / 5.82	2.63 / 2.63	7	1.345	1.20
0200	T.D.	5.76 / 5.80	2.65 / 2.64	7	1.34	1.20
0300	T.D.	5.80 / 5.84	2.64 / 2.65	8	1.345	1.25
0400	T.D.	5.77 / 5.81	2.62 / 2.65	8	1.345	1.15
0500	T.D.	5.79 / 5.83	2.60 / 2.61	8	1.34	1.20
0600	Vam	5.79 / 5.83	2.58 / 2.60	8	1.34	1.25
0700	Vam	5.79 / 5.84	2.58 / 2.59	8	1.34	1.25
0800	Vam	5.80 / 5.84	2.56 / 2.58	8	1.34	1.30
0900	Vam	5.80 / 5.83	2.57 / 2.58	8	1.32	1.25
1000	Vam	5.80 / 5.83	2.56 / 2.58	8	1.34	1.25
1100	Vam	5.81 / 5.83	2.55 / 2.57	8	1.34	1.02
1200	Vam	5.81 / 5.83	2.56 / 2.58	8	1.34	1.25
1300	Vam	5.81 / 5.84	2.54 / 2.55	8	1.34	1.30
1400	Vam	5.83 / 5.86	3.00 / 3.10	8	1.35	1.30
1500	Vam	5.80 / 5.83	2.65 / 2.65	8	1.35	1.30
1600	Vam	5.80 / 5.85	2.59 / 2.59	8	1.36	1.30
1700	Vam	5.82 / 5.85	2.55 / 2.55	8	1.355	1.30
1800	T.D.	5.78 / 5.81	2.59 / 2.58	7	1.36	1.20
1900	T.D.	5.80 / 5.84	2.89 / 2.88	9	1.35	1.20
2000	T.D.	5.82 / 5.86	3.21 / 3.22	9	1.35	1.30
2100	T.D.	5.85 / 5.88	3.17 / 3.17	9	1.35	1.20
2200	TD	5.86 / 5.87	3.13 / 3.13	7	1.35	1.25
2300	T.D.	5.84 / 5.87	3.11 / 3.10	8	1.34	1.30

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7.14.95 **TOWER:** A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% draw of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	5.84 / 5.87	3.15 / 3.14	7	1.34	1.20
0100	T.D.	5.73 / 5.86	3.11 / 3.12	8	1.34	1.25
0200	T.D.	5.81 / 5.84	3.17 / 3.17	8	1.34	1.15
0300	T.D.	5.82 / 5.86	3.12 / 3.12	8	1.33	1.25
0400	T.D.	5.82 / 5.84	3.10 / 3.10	7	1.34	1.25
0500	TD	5.79 / 5.82	3.13 / 3.13	8	1.34	1.25
0600	CS	5.82 / 5.85	3.08 / 3.09	8	1.33	1.25
0700	CS	5.80 / 5.84	3.09 / 3.09	8	1.33	1.25
0800	CS	5.80 / 5.83	3.16 / 3.14	8	1.33	1.25
0900	CS	5.81 / 5.84	3.09 / 3.08	8	1.33	1.25
1000	CS	5.79 / 5.82	3.14 / 3.14	8	1.33	1.25
1100	CS	5.79 / 5.80	3.12 / 3.13	8	1.33	1.25
1200	CS	5.79 / 5.81	3.16 / 3.16	8	1.34	1.25
1300	CS	5.81 / 5.83	3.42 / 3.43	8	1.34	1.25
1400	CS	5.78 / 5.81	3.17 / 3.17	8	1.35	1.25
1500	CS	5.80 / 5.82	3.13 / 3.13	8	1.35	1.30
1600	CS	5.78 / 5.81	3.52 / 3.55	8	1.34	1.30
1700	CS	5.81 / 5.83	3.45 / 3.46	8	1.35	1.30
1800	Tom	5.77 / 5.80	3.14 / 3.13	8	1.35	1.40
1900	Tom	5.80 / 5.82	3.45 / 3.44	8	1.36	1.30
2000	Tom	5.79 / 5.82	3.47 / 3.47	8	1.36	1.30
2100	Tom	5.80 / 5.82	3.48 / 3.42	8	1.355	1.30
2200	Tom	5.78 / 5.80	3.16 / 3.13	8	1.35	1.30
2300	Tom	5.79 / 5.81		8	1.36	1.30

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-15-95 **TOWER:** A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Van	5.79 / 5.81	3.29 / 3.27	7	1.35	1.20
0100	Van	5.79 / 5.82	3.19 / 3.19	8	1.35	1.20
0200	Van	5.80 / 5.83	3.20 / 3.19	8	1.345	1.25
0300	Van	5.79 / 5.82	3.27 / 3.26	8	1.345	1.30
0400	Van	5.83 / 5.86	3.30 / 3.30	8	1.34	1.30
0500	Van	5.83 / 5.85	3.25 / 3.24	8	1.34	1.25
0600	CJ	5.83 / 5.85	3.26 / 3.26	8	1.35	1.20
0700	CJ	5.80 / 5.83	3.33 / 3.33	8	1.34	1.20
0800	CJ	5.83 / 5.86	3.36 / 3.36	6	1.34	1.20
0900	CJ	5.82 / 5.84	3.35 / 3.34	8	1.34	1.25
1000	CJ	5.82 / 5.84	3.35 / 3.34	8	1.34	1.25
1100	CJ	5.85 / 5.87	3.32 / 3.32	8	1.35	1.25
1200	CJ	5.86 / 5.88	3.90 / 3.92	9	1.34	1.25
1300	CJ	5.87 / 5.89	4.33 / 4.37	9	1.34	1.25
1400	CJ	5.89 / 5.90	4.61 / 4.65	9	1.34	1.25
1500	CJ	5.92 / 5.93	4.64 / 4.69	9	1.35	1.25
1600	CJ	5.92 / 5.93	4.76 / 4.83	9	1.33	1.25
1700	CJ	5.93 / 5.94	4.70 / 4.76	9	1.33	1.25
1800	Van	5.93 / 5.94	4.65 / 4.71	9	1.34	1.30
1900	Van	5.93 / 5.94	4.55 / 4.61	9	1.34	1.30
2000	Van	5.92 / 5.93	4.61 / 4.66	9	1.34	1.30
2100	Van	5.94 / 5.95	4.57 / 4.64	8	1.34	1.25
2200	Van	5.93 / 5.94	4.51 / 4.57	8	1.34	1.30
2300	Van	5.92 / 5.94	4.51 / 4.56	8	1.33	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-16-95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% slurry of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Vam	5.93 / 5.95	4.75 / 4.82	8	1.325	1.25
0100	Vam	5.93 / 5.94	4.69 / 4.78	8	1.34	1.25
0200	Vam	5.94 / 5.96	4.64 / 4.71	7	1.32	1.25
0300	Vam	5.93 / 5.95	4.61 / 4.70	7	1.325	1.25
0400	Vam	5.93 / 5.95	4.56 / 4.63	7	1.32	1.25
0500	Vam	5.93 / 5.95	4.43 / 4.49	7	1.32	1.20
0600	CL	5.93 / 5.95	4.43 / 4.50	7	1.32	1.25
0700	CL	5.94 / 5.95	4.40 / 4.47	6	1.32	1.20
0800	CL	5.94 / 5.95	4.46 / 4.53	6	1.32	1.25
0900	CL	5.95 / 5.96	4.53 / 4.59	7	1.33	1.20
1000	CL	5.95 / 5.96	4.52 / 4.58	6	1.33	1.25
1100	CL	5.95 / 5.96	4.59 / 4.67	5	1.35	1.25
1200	CL	5.95 / 5.96	4.74 / 4.81	5	1.36	1.25
1300	CL	5.95 / 5.96	4.49 / 4.56	5	1.33	1.25
1400	CL	5.94 / 5.94	4.31 / 4.37	5	1.33	1.25
1500	CL	5.94 / 5.95	4.22 / 4.27	5	1.33	1.25
1600	CL	5.94 / 5.94	4.18 / 4.22	5	1.34	1.25
1700	CL	5.93 / 5.94	4.51 / 4.56	7	1.34	1.25
1800	Vam	5.95 / 5.96	4.63 / 4.68	6	1.34	1.25
1900	Vam	5.96 / 5.96	4.80 / 4.86	6	1.33	1.25
2000	Vam	5.95 / 5.96	4.87 / 4.94	5	1.33	1.25
2100	Vam	5.94 / 5.95	4.86 / 4.93	5	1.32	1.28
2200	Vam	5.25 / 5.21	4.85 / 4.93	7	1.32	1.25
2300	Vam	5.95 / 5.96	4.84 / 4.87	7	1.3	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-17-95 **TOWER:** A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Van	5.96 / 5.98	4.78 / 4.86	7	1.31	1.25
0100	Van	5.97 / 5.98	4.67 / 4.74	6	1.31	1.20
0200	Van	5.98 / 5.98	4.58 / 4.65	8	1.31	1.25
0300	Van	5.99 / 5.99	4.49 / 4.54	8	1.31	1.25
0400	Van	5.99 / 6.00	4.34 / 4.40	9	1.31	1.20
0500	Van	6.00 / 6.01	4.09 / 4.15	6	1.305	1.10
0600	CS	5.98 / 5.99	4.48 / 4.53	8	1.30	1.25
0700	CS	5.99 / 6.00	4.14 / 4.21	8	1.34	1.25
0800	CS	6.01 / 6.01	4.71 / 4.78	8	1.31	1.25
0900	CS	6.01 / 6.01	4.64 / 4.70	8	1.31	1.25
1000	CS	6.01 / 6.01	4.06 / 4.11	8	1.31	1.25
1100	CS	6.02 / 6.01	4.59 / 4.58	8	1.31	1.25
1200	CS	5.99 / 5.98	4.21 / 4.20	11	1.31	1.25
1300	CS	5.98 / 5.98	3.96 / 3.92	11	1.32	1.25
1400	CS	5.99 / 5.98	3.95 / 3.93	12	1.34	1.25
1500	CS	5.99 / 5.98	4.26 / 4.24	12	1.335	1.25
1600	CS	6.00 / 5.99	4.17 / 4.15	12	1.34	1.40
1700	CS	5.97 / 5.97	3.93 / 3.89	12	1.34	1.25
1800	T.D.	5.99 / 5.99	3.91 / 3.87	12	1.32	1.25
1900	T.D.	5.97 / 5.97	3.82 / 3.77	13	1.32	1.25
2000	T.D.	5.99 / 5.98	4.01 / 3.97	13	1.32	1.30
2100	T.D.	5.97 / 5.98	3.95 / 3.90	13	1.31	1.30
2200	T.D.	6.01 / 6.02	4.20 / 4.15	13	1.30	1.30
2300	T.D.	6.0 / 6.01	4.03 / 3.98	10	1.31	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-12-95 TOWER: A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	6.0 / 5.99	4.14 / 4.11	10	1.31	1.25
0100	T.D.	6.0 / 6.0	4.04 / 4.0	10	1.305	1.25
0200	T.D.	5.99 / 5.98	3.72 / 3.75	10	1.31	1.25
0300	T.D.	5.97 / 5.97	3.37 / 3.42	10	1.305	1.25
0400	T.D.	5.51 / 5.58	4.53 / 4.52	11	1.30	1.30
0500	T.D.	5.94 / 5.94	40 / 3.96	11	1.30	1.35
0600	LJA	597 / 596	3.95 / 3.89	12	1.29	1.30
0700	LJA	596 / 596	412 / 408	12	1.29	1.25
0800	LJA	597 / 597	420 / 4.15	13	1.29	1.28
0900	LJA	596 / 596	397 / 390	13	1.28	1.25
1000	LJA	598 / 597	4.24 / 4.26	14	1.28	1.30
1100	LJA	599 / 599	435 / 432	14	1.28	1.28
1200	LJA	598 / 597	418 / 416	14	1.295	1.35
1300	LJA	595 / 594	403 / 397	15	1.29	1.30
1400	LJA	600 / 5.99	432 / 4.28	16	1.29	1.40
1500	LJA	598 / 597	437 / 433	16	1.29	1.40
1600	LJA	596 / 594	373 / 364	17	1.29	1.35
1700	LJA	598 / 597	4.32 / 4.28	17	1.30	1.50
1800	T.D.	5.95 / 5.98	3.65 / 3.58	17	1.30	1.45
1900	T.D	5.94 / 5.94	3.58 / 3.64	17	1.28	1.45
2000	TD	597 / 5.94	3.89 / 3.79	17	1.28	1.40
2100	T.D.	5.94 / 5.97	3.98 / 3.90	17	1.27	1.40
2200	T.D.	5.97 / 5.94	3.56 / 3.61	17	1.27	1.40
2300	T.D.	5.99 / 5.98	3.91 / 3.91	17	1.27	1.45

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 3.19.95 **TOWER:** A

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	5.97 / 5.97	3.94 / 3.92	17	1.27	1.40
0100	T.D.	5.99 / 5.98	3.92 / 3.86	18	1.27	1.45
0200	T.D.	5.97 / 5.96	3.84 / 3.81	18	1.26	1.45
0300	T.D.	5.94 / 5.91	3.86 / 3.81	19	1.265	1.40
0400	TD	5.97 / 5.91	3.91 / 3.85	20	1.265	1.4
0500	T.D.	5.94 / 5.94	3.91 / 3.90	20	1.27	1.4
0600	LJA	598 / 597	3.92 / 3.86	22	1.265	1.45
0700	LJA	600 / 598	4.55 / 4.56	22	1.26	1.45
0800	LJA	600 / 599	4.64 / 4.67	22	1.27	1.45
0900	LJA	601 / 600	3.65 / 3.58	22	1.265	1.50
1000	LJA	602 / 601	4.73 / 4.69	21	1.27	1.50
1100	LJA	600 / 599	3.59 / 3.51	21	1.27	1.45
1200	LJA	600 / 598	4.63 / 4.59	21	1.27	1.50
1300	LJA	601 / 599	3.91 / 3.85	21	1.27	1.47
1400	LJA	596 / 594	3.52 / 3.44	21	1.27	1.45
1500	LJA	599 / 597	4.61 / 4.56	21	1.29	1.40
1600	LJA	598 / 596	3.50 / 3.42	21	1.325	1.45
1700	LJA	605 / 603	4.80 / 4.76	19	1.30	1.45
1800	T.D.	6.09 / 6.08	3.96 / 3.90	12	1.29	1.35
1900	T.D.	6.07 / 6.07	3.87 / 3.81	12	1.29	1.31
2000	T.D.	6.12 / 6.10	4.25 / 4.20	9	1.29	1.25
2100	T.D.	6.11 / 6.09	3.61 / 3.55	6	1.29	1.30
2200	TD.	6.10 / 6.07	4.62 / 3.99	6	1.29	1.25
2300		6.09 / 6.07	3.99 / 3.96	6	1.29	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-18-95 TOWER: 1B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000						
0100						
0200						
0300						
0400						
0500						
0600						
0700	CS	5.86 / 5.96	3.41 / 3.30	5	1.33	1.15
0800	CS	5.86 / 5.95	3.45 / 3.33	5	1.335	1.20
0900	CS	5.88 / 5.96	3.44 / 3.33	4	1.32	1.20
1000	CS	5.84 / 5.92	3.44 / 3.33	4	1.34	1.20
1100	CS	5.87 / 5.94	3.40 / 3.31	4	1.33	1.20
1200	CS	5.86 / 5.94	3.40 / 3.30	4	1.33	1.20
1300	CS	5.84 / 5.92	3.37 / 3.27	4	1.33	1.20
1400	CS	5.83 / 5.91	3.40 / 3.27	4	1.34	1.20
1500	CS	5.82 / 5.90	3.44 / 3.33	5	1.33	1.15
1600	CS	5.85 / 5.93	3.40 / 3.30	4	1.33	1.20
1700	CS	5.84 / 5.91	3.39 / 3.30	4	1.33	1.25
1800	VDM	5.83 / 5.91	3.42 / 3.31	4	1.34	1.25
1900	VDM	5.79 / 5.87	3.37 / 3.27	4	1.33	1.20
2000	VDM	5.78 / 5.85	3.42 / 3.30	4	1.33	1.20
2100	VDM	5.78 / 5.87	3.41 / 3.30	4	1.33	1.25
2200	VDM	5.78 / 5.87	3.36 / 3.27	4	1.33	1.20
2300	VDM	5.78 / 5.86	3.44 / 3.33	4	1.33	1.10

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-19-95 TOWER: 1B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Va	5.79 / 5.88	3.43 / 3.31	4	1.34	1.10
0100	Va	5.77 / 5.86	3.41 / 3.31	4	1.33	1.25
0200	Va	5.77 / 5.85	3.38 / 3.29	4	1.32	1.20
0300	Va	5.77 / 5.84	3.41 / 3.30	4	1.32	1.20
0400	Va	5.76 / 5.84	3.44 / 3.31	4	1.33	1.20
0500	Va	5.76 / 5.85	3.41 / 3.31	4	1.32	1.20
0600	CS	5.76 / 5.84	3.44 / 3.31	4	1.32	1.15
0700	CS	5.76 / 5.84	3.44 / 3.32	5	1.32	1.10
0800	CS	5.75 / 5.84	3.41 / 3.31	4	1.32	1.10
0900	CS	5.75 / 5.82	3.49 / 3.36	4	1.32	1.15
1000	CS	5.75 / 5.82	3.41 / 3.31	4	1.32	1.20
1100	CS	5.77 / 5.83	3.37 / 3.27	4	1.32	1.20
1200	CS	5.77 / 5.84	3.34 / 3.26	4	1.32	1.25
1300	CS	5.76 / 5.83	3.35 / 3.25	4	1.32	1.25
1400	CS	5.74 / 5.80	3.41 / 3.29	4	1.335	1.25
1500	CS	5.75 / 5.83	3.38 / 3.27	4	1.32	1.20
1600	CS	5.74 / 5.81	3.60 / 3.45	5	1.32	1.25
1700	CS	5.77 / 5.84	3.47 / 3.37	4	1.32	1.25
1800	Va	5.76 / 5.84	3.49 / 3.36	4	1.33	1.25
1900	Va	5.72 / 5.83	3.37 / 3.26	4	1.33	1.25
2000	Va	5.67 / 5.82	3.61 / 3.46	4	1.33	1.25
2100	Va	5.72 / 5.81	3.59 / 3.46	4	1.33	1.20
2200	Va	5.72 / 5.82	3.30 / 3.23	4	1.33	1.25
2300	Va	5.73 / 5.82	3.16 / 3.10	4	1.33	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7-20-95 TOWER: 1B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	TVan	5.73 / 5.82	3.08 / 3.02	5	1.33	1.20
0100	TVan	5.72 / 5.81	3.10 / 3.03	5	1.33	1.20
0200	TVan	5.74 / 5.82	3.05 / 3.00	5	1.33	1.25
0300	TVan	5.75 / 5.82	3.04 / 2.99	5	1.33	1.20
0400	TVan	5.77 / 5.85	3.05 / 3.00	5	1.33	1.20
0500	MN	5.77 / 5.84	3.06 / 3.01	5	1.33	1.25
0600	CS	5.75 / 5.84	3.03 / 2.97	5	1.33	1.20
0700	CS	5.77 / 5.85	3.02 / 2.96	5	1.32	1.25
0800	CS	5.76 / 5.84	3.02 / 2.97	5	1.315	1.25
0900	CS	5.76 / 5.84	3.01 / 2.96	4	1.32	1.10
1000	CS	5.75 / 5.82	2.95 / 2.91	4	1.30	1.25
1100	CS	5.74 / 5.81	2.91 / 2.88	4	1.31	1.20
1200	CS	5.75 / 5.82	3.37 / 3.25	4	1.32	1.25
1300	CS	5.76 / 5.83	3.21 / 3.12	4	1.37	1.25
1400	CS	5.78 / 5.86	3.41 / 3.31	4	1.365	1.25
1500	CS	5.75 / 5.83	3.13 / 3.07	4	1.375	1.25
1600	CS	5.74 / 5.82	3.04 / 2.98	4	1.37	1.25
1700		/	/			
1800		/	/			
1900		/	/			
2000		/	/			
2100		/	/			
2200		/	/			
2300		/	/			

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8.8.95 **TOWER:** 1B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000						
0100						
0200						
0300						
0400						
0500						
0600						
0700	T.D.	5.71 / 5.96	4.54 / 3.06	3	1.33	1.20
0800	T.D.	5.67 / 5.93	4.49 / 3.04	3	1.33	1.20
0900	T.D.	5.70 / 5.92	4.48 / 3.01	5	1.33	1.20
1000	T.D.	5.68 / 5.93	4.49 / 3.03	5	1.33	1.15
1100	T.D.	5.74 / 5.95	4.59 / 3.07	5	1.33	1.25
1200	T.D.	5.74 / 5.95	4.55 / 3.07	5	1.33	1.20
1300	T.D.	5.75 / 5.94	4.62 / 3.13	5	1.33	1.20
1400	TD	5.74 / 5.95	4.60 / 3.11	5	1.33	1.20
1500	T.D.	5.77 / 5.95	4.63 / 3.13	5	1.33	1.20
1600	TD	5.74 / 5.95	4.62 / 3.14	5	1.33	1.25
1700	T.D.	5.75 / 5.94	4.69 / 3.17	5	1.33	1.20
1800	CS	5.73 / 5.94	4.64 / 3.15	5	1.33	1.25
1900	CS	5.74 / 5.95	4.64 / 3.15	5	1.325	1.20
2000	CS	5.74 / 5.95	4.61 / 3.13	5	1.33	1.20
2100	CS	5.78 / 5.95	4.65 / 3.17	5	1.33	1.20
2200	CS	5.73 / 5.99	4.63 / 3.15	5	1.33	1.20
2300	CS	5.79 / 5.97	4.75 / 3.26	5	1.34	1.20

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-9-95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% open of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	CS	5.81 / 5.98	4.78 / 3.28	4	1.34	1.10
0100	CS	5.82 / 5.99	4.78 / 3.29	4	1.34	1.10
0200	CS	5.80 / 5.98	4.71 / 3.22	4	1.34	1.10
0300	CS	5.79 / 5.98	4.64 / 3.15	4	1.34	1.20
0400	CS	5.78 / 5.98	4.64 / 3.16	4	1.34	1.20
0500	CS	5.83 / 6.01	5.21 / 3.66	4	1.34	1.20
0600	T.D.	5.31 / 5.99	5.06 / 3.51	3	1.335	1.20
0700	T.D.	5.81 / 5.78	3.36 / 3.42	3	1.34	1.20
0800	T.D.	5.86 / 5.77	3.27 / 3.33	3	1.34	1.10
0900	T.D.	5.92 / 5.77	3.14 / 3.24	3	1.34	1.20
1000	T.D.	5.92 / 5.97	3.10 / 3.20	4	1.33	1.25
1100	T.D.	5.97 / 5.77	3.02 / 3.13	4	1.33	1.25
1200	T.D.	5.92 / 5.77	2.98 / 3.09	4	1.33	1.20
1300	T.D.	5.77 / 5.77	2.93 / 3.04	4	1.33	1.25
1400	T.D	5.81 / 5.79	2.94 / 3.07	6	1.33	1.15
1500	T.D.	5.81 / 5.78	3.0 / 3.12	5	1.335	1.15
1600	T.D.	5.80 / 5.78	2.98 / 3.09	5	1.33	1.10
1700	T.D.	5.81 / 5.79	2.95 / 3.06	5	1.33	1.10
1800	CS	5.82 / 5.76	2.95 / 3.05	5	1.33	1.10
1900	CS	5.77 / 5.78	2.89 / 3.02	5	1.34	1.10
2000	CS	5.84 / 5.84	3.27 / 3.28	6	1.34	1.10
2100	CS	5.90 / 5.85	3.37 / 3.42	5	1.33	1.10
2200	CS	5.82 / 5.84	3.07 / 3.16	5	1.33	1.10
2300	CS	5.88 / 5.84	3.12 / 3.21	4	1.33	1.10

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-10-95 TOWER: B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	CS	5.83 / 5.82	2.97 / 3.08	4	1.33	1.10
0100	CS	5.84 / 5.83	2.95 / 3.05	4	1.34	1.10
0200	CS	5.80 / 5.80	2.93 / 3.04	4	1.34	1.10
0300	CS	5.82 / 5.82	2.89 / 3.02	4	1.335	1.15
0400	CS	5.81 / 5.82	2.87 / 3.00	3	1.33	1.10
0500	CS	5.80 / 5.81	2.80 / 2.95	3	1.33	1.05
0600	T.D.	5.79 / 5.81	2.77 / 2.91	5	1.33	1.10
0700	TD	5.78 / 5.80	2.75 / 2.77	5	1.33	1.10
0800	T.D.	5.74 / 5.79	2.82 / 2.84	6	1.33	1.10
0900	T.D.	5.77 / 5.81	2.86 / 2.90	7	1.335	1.10
1000	T.D.	5.77 / 5.72	2.82 / 2.93	7	1.32	1.05
1100	TD	5.80 / 5.81	2.91 / 2.94	5	1.33	1.10
1200	T.D.	5.80 / 5.81	2.95 / 3.01	5	1.33	1.10
1300	T.D.	5.77 / 5.79	2.91 / 2.95	4	1.35	1.15
1400	T.D.	5.76 / 5.79	2.90 / 2.93	6	1.34	1.10
1500	T.D.	5.80 / 5.80	2.93 / 2.95	6	1.34	1.20
1600	TD	5.77 / 5.79	2.92 / 2.95	6	1.33	1.10
1700	T.D.	5.75 / 5.80	2.94 / 2.97	6	1.34	1.05
1800	LJA	5.86 / 5.82	3.14 / 3.14	7	1.33	1.20
1900	LJA	5.79 / 5.81	3.13 / 3.11	8	1.33	1.20
2000	LJA	5.82 / 5.84	3.20 / 3.17	8	1.32	1.20
2100	LJA	5.81 / 5.84	3.20 / 3.18	7	1.335	1.20
2200	MM	5.81 / 5.84	3.18 / 3.15	7	1.325	1.18
2300	MM	5.80 / 5.84	3.27 / 3.23	7	1.325	1.15

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8/11/95 TOWER: B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	MM	5.86/5.85	3.26/3.23	6	1.325	1.09
0100	MM	5.81/5.84	3.20/3.18	6	1.325	1.10
0200	MM	5.81/5.85	3.17/3.15	6	1.325	1.11
0300	MM	5.75/5.84	3.15/3.13	7	1.325	1.02
0400	MM	5.83/5.87	3.19/3.16	7	1.33	1.05
0500	MM	5.83/5.85	3.11/3.10	6	1.335	1.01
0600	Vam	5.83/5.84	3.10/3.09	6	1.345	1.10
0700	Vam	5.80/5.83	3.04/3.04	6	1.34	1.10
0800	Vam	5.79/5.84	3.03/3.03	6	1.34	1.08
0900	Vam	5.80/5.83	3.04/3.04	6	1.35	1.10
1000	Vam	5.84/5.86	3.08/3.07	6	1.35	1.05
1100	Vam	5.81/5.84	3.04/3.04	6	1.36	1.15
1200	Vam	5.83/5.84	3.07/3.05	5	1.37	1.15
1300	Vam	5.85/5.86	3.19/3.17	6	1.37	1.20
1400	Vam	5.83/5.87	3.24/3.21	6	1.37	1.20
1500	Vam	5.85/5.86	3.28/3.24	5	1.37	1.25
1600	Vam	5.83/5.84	3.21/3.18	5	1.375	1.25
1700	Vam	5.81/5.84	3.00/3.00	6	1.375	1.15
1800	R. Rods.	5.81/5.84	2.98/2.96	6	1.023	1.25
1900	R. Rods.	5.80/5.84	2.99/2.99	6	1.022	1.20
2000	R. Rods.	5.81/5.86	3.85/3.75	6	1.022	1.20
2100	R. Rods.	5.88/5.91	4.15/4.01	6	1.026	1.15
2200	R. Rods.	5.91/5.94	4.43/4.24	5	1.024	1.15
2300	R. Rods.	5.92/5.97	4.54/4.35	5	1.025	1.15

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-12-95 TOWER: B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% slurry of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	R. Rodg	5.95 / 5.98	4.51 / 4.30	5	1,023	1.20
0100	R. Rodg	5.93 / 5.97	3.65 / 3.56	5	1.023	1.20
0200	R. Rodg	5.97 / 5.98	3.40 / 3.35	5	1.020	1.20
0300	R. Rodg	5.92 / 5.96	3.13 / 3.12	5	1.020	1.10
0400	R. Rodg	5.88 / 5.95	2.91 / 2.92	5	1.018	1.10
0500	R. Rodg	5.87 / 5.95	2.78 / 2.81	5	1.016	1.0
0600	Vam	5.90 / 5.97	2.73 / 2.77	5	1.36	1.15
0700	Vam	5.89 / 5.94	2.69 / 2.73	6	1.36	1.10
0800	Vam	5.89 / 5.94	2.70 / 2.74	6	1.36	1.10
0900	Vam	5.89 / 5.94	2.69 / 2.73	6	1.35	1.20
1000	Vam	5.90 / 5.93	2.75 / 2.77	6	1.35	1.15
1100	Vam	5.88 / 5.92	2.71 / 2.75	6	1.35	1.10
1200	Vam	5.87 / 5.91	2.74 / 2.77	6	1.36	1.15
1300	Vam	5.82 / 5.90	2.69 / 2.69	6	1.36	1.20
1400	Vam	5.87 / 5.90	2.74 / 2.77	6	1.36	1.15
1500	Vam	5.87 / 5.89	2.75 / 2.78	6	1.37	1.20
1600	Vam	5.89 / 5.90	2.73 / 2.77	6	1.36	1.20
1700	Vam	5.84 / 5.90	3.05 / 3.05	6	1.36	1.20
1800	T.D.	5.82 / 5.87	2.71 / 2.73	6	1.34	1.15
1900	T.D.	5.81 / 5.87	2.67 / 2.71	6	1.345	1.15
2000	T.D.	5.85 / 5.89	2.78 / 2.73	7	1.35	1.20
2100	T.D.	5.83 / 5.87	2.72 / 2.74	7	1.35	1.15
2200	T.D	5.82 / 5.85	2.73 / 2.77	7	1.34	1.10
2300	TD	5.83 / 5.86	2.75 / 2.78	7	1.34	1.10

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-12-95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	TD	5.82 / 5.77	2.71 / 2.76	7	1.34	1.10
0100	TD	5.79 / 5.74	2.68 / 2.73	7	1.33	1.05
0200	TD	5.82 / 5.79	3.45 / 3.40	8	1.33	1.15
0300	TD	5.84 / 5.92	3.67 / 3.59	8	1.33	1.10
0400	T.D.	5.93 / 5.93	3.13 / 3.72	8	1.33	1.05
0500	T.D.	5.91 / 5.94	3.64 / 3.50	10	1.33	1
0600	Vam	5.98 / 5.93	3.12 / 3.10	6	1.33	1.05
0700	Vam	5.84 / 5.93	2.75 / 2.80	6	1.33	1.05
0800	Vam	5.86 / 5.91	2.68 / 2.73	6	1.32	1.15
0900	Vam	5.82 / 5.89	2.64 / 2.70	7	1.32	1.10
1000	Vam	5.85 / 5.90	2.65 / 2.70	7	1.32	1.15
1100	Vam	5.84 / 5.89	2.63 / 2.69	8	1.33	1.15
1200	Vam	5.86 / 5.91	2.59 / 2.64	8	1.34	1.15
1300	Vam	5.85 / 5.88	2.60 / 2.66	8	1.335	1.15
1400	Vam	5.89 / 5.88	2.62 / 2.68	8	1.34	1.25
1500	Vam	5.84 / 5.86	2.64 / 2.68	8	1.35	1.25
1600	Vam	5.85 / 5.89	2.63 / 2.68	8	1.34	1.15
1700	Vam	5.80 / 5.85	2.62 / 2.67	8	1.35	1.20
1800	T.D.	5.77 / 5.84	2.60 / 2.64	8	1.34	1.10
1900	T.D.	5.79 / 5.87	3.12 / 3.11	9	1.345	1.15
2000	T.D.	5.76 / 5.92	3.73 / 3.67	9	1.35	1.15
2100	T.D.	5.96 / 5.9	3.72 / 3.71	9	1.35	1.20
2200	T.D.	5.91 / 5.94	3.76 / 3.74	8	1.345	1.15
2300	T.D.	6.29 / 5.97	3.81 / 3.74	8	1.34	1.15

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8.14.95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% flow of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	6.21 / 6.0	3.93 / 3.73	7	1.34	1.10
0100	T.D.	5.97 / 5.99	3.77 / 3.64	7	1.345	1.10
0200	T.D.	6.01 / 5.99	3.15 / 3.13	7	1.34	1.10
0300	T.D.	5.93 / 5.97	2.72 / 2.75	7	1.33	1.15
0400	T.D.	5.98 / 5.94	2.62 / 2.67	7	1.335	1.15
0500	T.D.	5.95 / 5.93	2.55 / 2.60	7	1.33	1.10
0600	CS	5.76 / 5.91	2.47 / 2.53	7	1.33	1.15
0700	CS	5.75 / 5.90	2.45 / 2.52	7	1.33	1.15
0800	CS	5.77 / 5.92	2.40 / 2.48	7	1.33	1.15
0900	CS	5.72 / 5.87	2.31 / 2.42	8	1.32	1.20
1000	CS	5.78 / 5.88	2.30 / 2.40	8	1.33	1.20
1100	CS	5.77 / 5.88	2.31 / 2.40	8	1.34	1.20
1200	CS	5.79 / 5.88	2.30 / 2.40	8	1.34	1.20
1300	CS	5.74 / 5.86	2.27 / 2.38	8	1.33	1.20
1400	CS	5.80 / 5.90	3.31 / 3.28	8	1.34	1.20
1500	CS	5.81 / 5.89	3.23 / 3.20	8	1.35	1.15
1600	CS	5.91 / 5.92	3.73 / 3.65	8	1.34	1.25
1700	CS	5.83 / 5.90	3.70 / 3.63	8	1.35	1.20
1800	Van	5.81 / 5.90	3.66 / 3.57	8	1.345	1.25
1900	Van	5.82 / 5.90	3.55 / 3.47	8	1.35	1.25
2000	Van	5.80 / 5.89	3.51 / 3.45	8	1.35	1.25
2100	Van	5.80 / 5.87	3.48 / 3.42	8	1.35	1.30
2200	Van	5.80 / 5.88	3.45 / 3.39	8	1.35	1.25
2300	Van	5.82 / 5.87	3.44 / 3.40	8	1.35	1.20

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-15-95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Vam	5.81 / 5.88	3.40 / 3.42	7	1.35	1.00
0100	Vam	5.80 / 5.86	3.44 / 3.39	8	1.35	1.25
0200	Vam	5.84 / 5.89	3.45 / 3.49	8	1.35	1.20
0300	Vam	5.86 / 5.93	3.45 / 3.40	8	1.35	1.20
0400	Vam	5.89 / 5.92	3.48 / 3.43	8	1.34	1.15
0500	Vam	5.85 / 5.88	3.49 / 3.43	8	1.34	1.10
0600	CJ	5.85 / 5.88	3.50 / 3.44	8	1.33	1.10
0700	CJ	5.89 / 5.90	3.50 / 3.45	8	1.33	1.10
0800	CJ	5.86 / 5.88	3.52 / 3.46	6	1.34	1.10
0900	CJ	5.87 / 5.89	3.05 / 3.06	8	1.34	1.20
1000	CJ	5.92 / 5.87	3.02 / 3.01	8	1.34	1.15
1100	CJ	5.97 / 5.86	2.96 / 2.99	8	1.34	1.15
1200	CJ	5.88 / 5.87	2.94 / 3.00	9	1.34	1.15
1300	CJ	5.85 / 5.86	3.01 / 3.06	8	1.33	1.15
1400	CJ	5.85 / 5.86	3.02 / 3.08	8	1.33	1.20
1500	CJ	5.82 / 5.82	3.02 / 3.07	8	1.34	1.15
1600	CJ	5.86 / 5.84	3.04 / 3.08	9	1.33	1.20
1700	CJ	5.85 / 5.84	3.00 / 3.12	9	1.34	1.20
1800	Vam	5.81 / 5.87	3.24 / 3.25	9	1.325	1.20
1900	Vam	5.77 / 5.84	2.69 / 2.76	9	1.33	1.20
2000	Vam	5.88 / 5.94	3.05 / 3.09	9	1.33	1.20
2100	Vam	5.89 / 5.86	3.32 / 3.31	9	1.325	1.15
2200	Vam	5.96 / 5.85	3.32 / 3.32	9	1.33	1.15
2300	Vam	5.88 / 5.86	3.37 / 3.36	9	1.33	1.15

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-16-95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Van	5.86 / 5.87	3.30 / 3.30	9	1.33	1.20
0100	Van	5.83 / 5.84	3.29 / 3.29	8	1.325	1.15
0200	Van	5.82 / 5.84	3.41 / 3.39	9	1.31	1.20
0300	Van	5.84 / 5.84	3.33 / 3.34	10	1.32	1.15
0400	Van	5.90 / 5.88	3.49 / 3.46	10	1.32	1.15
0500	Van	5.77 / 5.86	2.84 / 2.90	10	1.32	1.10
0600	CL	5.82 / 5.87	3.37 / 3.35	10	1.32	1.15
0700	CL	5.82 / 5.86	3.51 / 3.47	9	1.32	1.10
0800	CL	5.84 / 5.87	3.50 / 3.46	9	1.32	1.15
0900	CL	5.83 / 5.86	3.50 / 3.47	8	1.33	1.15
1000	CL	5.84 / 5.85	3.50 / 3.46	6	1.33	1.15
1100	CL	5.77 / 5.83	3.48 / 3.45	6	1.34	1.15
1200	CL	5.78 / 5.83	3.49 / 3.46	6	1.34	1.15
1300	CL	5.78 / 5.81	3.37 / 3.36	6	1.33	1.15
1400	CL	5.78 / 5.80	3.41 / 3.39	6	1.33	1.15
1500	CL	5.85 / 5.83	3.48 / 3.46	6	1.33	1.15
1600	CL	5.79 / 5.79	3.36 / 3.34	5	1.34	1.15
1700	CL	5.80 / 5.81	3.39 / 3.37	6	1.34	1.15
1800	Van	5.73 / 5.78	3.34 / 3.34	7	1.34	1.20
1900	Van	5.80 / 5.81	3.73 / 3.66	8	1.34	1.10
2000	Van	5.82 / 5.83	3.69 / 3.65	8	1.33	1.15
2100	Van	5.84 / 5.83	3.46 / 3.43	8	1.32	1.15
2200	Van	5.86 / 5.84	3.52 / 3.49	9	1.32	1.20
2300	Van	5.84 / 5.84	3.47 / 3.43	10	1.31	1.15

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 8-17-95 **TOWER:** K

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	Vam	5.85 / 5.84	3.48 / 3.44	10	1.31	1.15
0100	Vam	5.91 / 5.89	3.64 / 3.58	10	1.31	1.15
0200	Vam	5.93 / 5.87	3.57 / 3.53	10	1.31	1.10
0300	Vam	5.86 / 5.89	3.62 / 3.58	10	1.31	1.10
0400	Vam	5.90 / 5.91	3.65 / 3.59	11	1.31	1.00
0500	Vam	5.90 / 5.92	3.73 / 3.67	7	1.305	1.00
0600	CS	5.88 / 5.90	3.59 / 3.55	9	1.30	1.15
0700	CS	5.89 / 5.89	3.70 / 3.63	9	1.33	1.10
0800	CS	5.96 / 5.90	3.73 / 3.67	8	1.31	1.10
0900	CS	5.92 / 5.89	3.68 / 3.63	7	1.31	1.10
1000	CS	5.93 / 5.89	3.65 / 3.59	7	1.31	1.10
1100	CS	5.84 / 5.87	3.47 / 3.45	7	1.31	1.10
1200	CS	5.84 / 5.86	3.46 / 3.44	10	1.31	1.15
1300	CS	5.82 / 5.87	3.40 / 3.38	14	1.32	1.20
1400	CS	5.88 / 5.88	3.96 / 3.88	14	1.34	1.15
1500	CS	5.89 / 5.90	4.05 / 3.96	14	1.33	1.15
1600	CS	5.89 / 5.89	4.12 / 4.00	14	1.34	1.15
1700	CS	5.91 / 5.91	4.15 / 4.03	14	1.34	1.20
1800	T.D.	5.90 / 5.93	4.19 / 4.07	14	1.33	1.15
1900	T.D.	5.89 / 5.92	4.24 / 4.13	14	1.31	1.20
2000	T.D.	5.92 / 5.94	4.12 / 4.01	14	1.31	1.20
2100	T.D.	5.92 / 5.94	3.96 / 3.87	13	1.31	1.20
2200	T.D.	5.90 / 5.93	3.91 / 3.83	13	1.31	1.20
2300	T.D.	5.93 / 5.90	3.90 / 3.81	11	1.31	1.10

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 7.18.95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	5.55 / 5.55	3.96 / 3.75	12	1.31	1.10
0100	T.D.	5.94 / 5.94	3.87 / 3.79	13	1.30	1.10
0200	T.D.	5.93 / 5.97	3.79 / 3.81	13	1.31	1.15
0300	T.D.	5.91 / 5.97	3.92 / 3.84	12	1.30	1.10
0400	T.D.	5.94 / 5.97	3.77 / 3.71	12	1.30	1.10
0500	T.D.	5.94 / 5.96	3.87 / 3.86	12	1.30	1.10
0600	LJA	594 / 595	378 / 371	12	1.29	1.10
0700	LJA	593 / 594	383 / 382	12	1.295	1.20
0800	LJA	597 / 596	3.80 / 3.73	12	1.29	1.20
0900	LJA	596 / 597	3.86 / 3.79	12	1.28	1.20
1000	LJA	591 / 594	378 / 372	14	1.28	1.20
1100	LJA	594 / 595	379 / 372	14	1.028	1.20
1200	LJA	594 / 596	384 / 376	14	1.295	1.20
1300	LJA	590 / 593	390 / 381	16	1.295	1.25
1400	LJA	595 / 594	3.92 / 3.84	16	1.29	1.25
1500	LJA	595 / 595	396 / 387	16	1.29	1.25
1600	LJA	596 / 596	404 / 394	17	1.29	1.25
1700	LJA	598 / 598	413 / 4.02	17	1.30	1.25
1800	T.D.	5.94 / 5.96	4.07 / 3.95	17	1.30	1.20
1900	T.D.	6.0 / 5.97	4.12 / 4.02	17	1.28	1.25
2000	T.D.	6.01 / 5.97	4.07 / 4.02	17	1.28	1.25
2100	T.D.	5.97 / 5.97	4.26 / 4.13	17	1.27	1.20
2200	T.D.	5.97 / 5.9	3.14 / 3.14	17	1.27	1.25
2300	T.D.	5.97 / 5.95	3.96 / 6	17	1.27	1.25

ST.JOHNS RIVER POWER PARK
PETROLEUM COKE/COAL TRIAL BURN
BASELINE & BLEND OPERATIONAL DATA - AQCS

DATE: 3·19·95 **TOWER:** B

TIME	INITIALS	ABSORBER pH	QUENCHER pH	INJECTION RATE (% time of reagent feed valve)	MIX RATIO (Density)	PRESSURE DROP ACROSS TOWER
0000	T.D.	5.97 / 5.96	4.08 / 3.96	17	1.27	1.20
0100	T.D.	6.05 / 5.99	4.16 / 4.03	18	1.27	1.25
0200	T.D.	6.0 / 5.98	3.99 / 3.88	17	1.26	1.25
0300	T.D.	5.98 / 5.99	4.05 / 3.94	19	1.265	1.20
0400	TD	5.99 / 5.97	4.12 / 4.0	19	1.27	1.25
0500	T.D.	5.99 / 5.99	4.22 / 4.08	19	1.27	1.25
0600	LJA	5.97 / 5.96	4.26 / 4.12	21	1.27	1.25
0700	LJA	5.96 / 5.96	3.33 / 3.31	21	1.26	1.25
0800	LJA	5.98 / 5.95	4.10 / 3.99	21	1.27	1.28
0900	LJA	6.02 / 5.97	4.26 / 4.14	21	1.27	1.25
1000	LJA	6.01 / 5.98	4.33 / 4.20	20	1.27	1.25
1100	LJA	5.98 / 5.99	4.35 / 4.22	20	1.275	1.25
1200	LJA	5.98 / 5.98	4.42 / 4.28	20	1.27	1.25
1300	LJA	5.96 / 5.96	4.34 / 4.21	20	1.27	1.25
1400	LJA	5.97 / 5.95	4.39 / 4.25	20	1.27	1.25
1500	LJA	5.96 / 5.94	4.33 / 4.19	20	1.29	1.20
1600	LJA	5.96 / 5.94	4.38 / 4.24	20	1.32	1.25
1700	LJA	5.97 / 5.96	4.45 / 4.31	20	1.30	1.25
1800	T.D.	5.96 / 6.00	4.45 / 4.29	21	1.29	1.20
1900	TD	6.00 / 6.02	4.69 / 4.50	21	1.29	1.20
2000	TD	6.07 / 6.06	3.51 / 3.49	9	1.29	1.10
2100	T.D.	6.05 / 6.06	3.10 / 3.13	7	1.29	1.10
2200	T.D.	6.08 / 6.07	4.13 / 4.04	7	1.29	1.10
2300	T.D.	6.07 / 6.08	4.27 / 4.16	7	1.29	1.10

ATTACHMENT H

SJRO LC 95 053

March 17, 1995

st. johns river POWER PARK

Mr. C.H. Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Dept. of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RE: St. Johns River Power Park Unit #1
Request to Fire a Blend of Petroleum Coke and Bituminous Coal
Public Notice of Intent to Issue an Amendment

Dear Mr. Fancy:

A request to conduct tests for pollutant emissions while firing a blend of petroleum coke and bituminous coal at the above referenced facility was submitted to your agency on 12-20-94 with supplemental material submitted on 02-07-95. Your agency prepared a draft letter authorization and the "Public Notice Intent to Issue" which was received in our office 02-16-95.

A copy of the "Notice of Intent to Issue an Amendment" which was published in the Florida Times Union Friday, February 24, 1995 to commence the 14 day public comment period was submitted to your attention February 27, 1995. Pursuant to your request please find enclosed the "Affidavit of Publication" from the newspaper that published the notice, Florida Times Union.

Sincerely,

Jay Worley
Environmental & Safety Manager

JAW/pct

xc: H. Oven, FDEP
E. Frey, FDEP
S. Pace, RESD
R. Breitmoser, JEA

FLORIDA PUBLISHING COMPANY

Publisher

JACKSONVILLE, DUVAL COUNTY, FLORIDA

STATE OF FLORIDA
COUNTY OF DUVAL

Before the undersigned authority personally appeared ______ Cappy MacPherson ______ who on oath says that he is ______ Classified Adv Inside Sales REp ______ of The Florida Times-Union, a daily newspaper published at Jacksonville in Duval County, Florida; that the attached copy of advertisement, being a ______ Legal Notice ______

in the matter of ______ Notice of Intent to Issue an Amendment ______

in the ______ Court,

was published in THE FLORIDA TIMES-UNION in the issues of ______

February 24, 1995

Affiant further says that the said The Florida Times-Union is a newspaper published at Jacksonville, in said Duval County, Florida, and that the said newspaper has heretofore been continuously published in said Duval County, Florida, The Florida Times-Union each day, has been entered as second class mail matter at the postoffice in Jacksonville, in said Duval County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

Sworn to and subscribed before me this ..28.......... day of ..February.... A.D. 19 95

[signature]

Notary Public,
State of Florida at Large.

My Commission Expires

VERA JANE LIKENS
MY COMMISSION # CC [illegible] EXPIRES
June 1, 1996
BONDED THRU TROY FAIN INSURANCE, INC.

DA 444

The applicant, St. Johns River Power Park, 1 New Berlin Road, Jacksonville, Florida 32226, submitted a request on December 28, 1994, and supplementary material on February 7, 1995, to the Department's Siting Coordination Section for authorization to conduct pollutant emissions tests on SJRPP's Unit #1 boiler while firing a blend of petroleum coke and coal. The performance tests for pollutant emissions will be conducted at baseline conditions (firing 100% coal only) and while firing a blend of petroleum coke and coal. Petroleum coke will be blended at a maximum of 20 percent by weight, with coal during the trial performance tests. SJRPP's Unit #1 was certified under Site Certification, No. PA 81-13, and Federal construction permit, No. PSD-FL-010, and is not currently permitted to fire petroleum coke in accordance with the referenced Site Certification and permit.

Screening for a modification and a determination of Prevention of Significant Deterioration and/or Nonattainment Area (NAA) requirements shall be in accordance with Chapter 403, Florida Statutes (F.S.); Florida Administrative Code (F.A.C.) Chapters 62-[illegible] through 62-297 and 62-4; and, Title 40 of the Code of Federal Regulations (CFR; Parts 52, 60, 61 and [illegible] (July 1, 1993 version).

If, after the performance test results are evaluated by the Department's Site Certification Section and affected parties (i.e., Duval County's Regulatory and Environmental Services Department, U.S. EPA, National Park Service, Department's Bureau of Air Regulation, and etc.) and it is determined that actual pollutant emissions (baseline at 100% coal vs. a blend of petroleum coke and coal) did not increase, the Department may issue a modification to the Site Certification, No. PA 81-13, and an amendment to the Federal Permit, No. PSD-FL-010(A), authorizing continuous utilization/firing of a blend of petroleum coke and coal in the SJRPP's Unit #1. However, if there is an actual emission increase in pollutant emissions, SJRPP will not be permitted to fire a blend of petroleum coke and coal in the emissions unit without further PSD and/or NAA evaluation by the Department's Site Certification Section and involved agencies/parties. The proposed project will occur at the applicant's facility located in Jacksonville, Duval County, Florida.

The Department has jurisdiction under Paragraph 403.514(1), F.S. The project is not exempt from Site Certification procedures. The Department has determined that a Site Certification modification and at least an amendment to the Federal Permit are required to make the proposed activity permanent. If SJRPP wishes to modify the Conditions of Certification and amend/modify the Federal Permit to allow [illegible] a blend of petroleum coke and coal in SJRPP's Unit #1 on a permanent basis, subsequent proceeding will be announced providing an opportunity for any affected person to object in the following manner.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57 F.S.

The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Site Certification File Number and the county in which the project is proposed;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
(d) A statement of the material facts disputed by petitioner, if any;
(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

[illegible]

Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive
Tallahassee, Florida 32301

Duval County Regulatory and
Environmental Services Department
421 West Church Street, Suite [illegible]
[illegible]

ATTACHMENT I

CERTIFIED MAIL

SJRO LC 95 137

August 21, 1995

Mr. Steve Pace
RESD
421 West Church Street
Jacksonville, Florida 32202

RE: Site Certification No. PA 81-13
St. Johns River Power Park (SJRPP) Unit 1
Notification of Petroleum Coke/Coal Test Run Completion

Dear Mr. Pace:

The above referenced facility was authorized by the Florida Department of Environmental Protection's March 30, 1995 letter to test burn a blend of petroleum coke with coal. Condition #18 require that "The Duval County's R&ESD office shall be notified, in writing on the date of the last test run completion".

The petroleum coke/coal blend test burn was completed on August 19, 1995. Stack testing was conducted throughout the test burn and completed on this date.

Please contact me at (904) 751-7729 if you have any questions.

Sincerely,

Jay Worley
Environmental & Safety Manager

JW/sj

xc: C. Fancy, FDEP
H. Oven, FDEP
R. Breitmoser, JEA
S. Serrian

ATTACHMENT J

REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT
Air Quality Division

June 22, 1995

Mr. Jay Worley
Environmental & Safety Manager
St. Johns River Power Park (SJRPP)
11201 New Berlin Road
Jacksonville, Florida 32226

RE: Request for Approval - Pollutants & Testing Methodology
Unit #1 Test Burn Using Petroleum Coke with Coal
Site Certification No. PA 81-13
SJRPP Correspondence of June 14, 1995

Dear Mr. Worley:

This is to acknowledge receipt and review of the above captioned SJRPP correspondence, submitted June 15, 1995.

Regulatory & Environmental Services Department (RESD) agrees that the use of EPA Reference Test Methods 5B, 10, and 8 for the testing of particulate matter, carbon monoxide, and sulfuric acid mist, respectively, during the above referenced test burn, satisfies Condition No. 20 of the Site Certification.

If there are any questions concerning this matter, please contact me at (904) 630-3484.

Very truly yours,

Robert S. Pace, P.E.
Division Chief

RSP/WLW/be

c: AQD File 1710 B
Wayne Walker, AQD

421 West Church Street - Suite 412
Jacksonville, Florida 32202-4111

Area Code 904/630-3484

CERTIFIED MAIL

SJRO LC 95 094

June 14, 1995

Mr. Steve Pace
RESD
421 W. Church St.
Jacksonville, FL 32202

RE: Site Certification No. PA 81-13
St. Johns River Power Park (SJRPP) Unit I
Authorization of Test Burn Using Petroleum Coke with Coal
Request for Approval - Pollutants & Testing Methodology

Dear Mr. Pace:

The above referenced facility was authorized by your agency's March 30, 1995, letter to test burn a blend of petroleum coke with coal (Attachment A). Condition #20 requires "Prior written approval of the pollutants to be tested for and the appropriate test methods are mandatory prior to commencement of testing. The proposal shall be submitted to the Site Certification Office, the Department's BAR office and the Duval County's RESD office for approval."

Pursuant to Condition #7, stack tests shall be conducted for the pollutants particulate matter, carbon monoxide and sulfuric acid mist. The following are the EPA Reference methodologies which are contained in 40 CFR 60 that shall be conducted:

1)	Particulate matter	-	EPA Method 5B
2)	Carbon Monoxide	-	EPA Method 10
3)	Sulfuric Acid Mist	-	EPA Method 8

Conditions #3 and #4 specifies that as-burned fuel samples shall be collected and analyzed for sulfur, nitrogen and metals. The baseline coal and pet coke/coal blend shall be sampled from the sampling building loading belt transfer to the Unit 1 to analyze the parameters in accordance with the following methods:

1)	Sulfur	ASTM D 4239 Method "C"
2)	Nitrogen	ASTM D 5373
3)	Chromium	ASTM D 3683
4)	Lead	ASTM D 3683
5)	Mercury	ASTM D 3684
6)	Nickel	ASTM D 3683
7)	Beryllium	ASTM D 3683
8)	Vanadium	ASTM D 3683
9)	Zinc	ASTM D 3683

The testing is scheduled to commence July 11, 1995 for the baseline. Your expeditious review and response are appreciated.

Please contact me at (904) 751-7729 if you have any questions.

Sincerely,

Jay Worley
Environmental & Safety Manager

JAW/pct

cc: R. Breitmoser