TAMPA ELECTRIC

July 30, 2003

Ms. Deborah Getzoff
Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Via FedEx
Airbill No. 7929 3829 7680

Mr. Jerry Campbell
The Environmental Protection Commission
of Hillsborough County
1410 North 21st Street
Tampa, Florida 33605

Via FedEx
Airbill No. 7914 5467 0464

Re: Tampa Electric Company
Quarter II, 2003
Bayside Semi-Annual Excess Emissions & Subpart GG Report
Air Construction Permit #0570040-015-AC
Air Permit Number: PSD-FL-301A
AIRS #0570040, E.U. ID#020, 021, 022

Dear Ms. Getzoff and Mr. Campbell:

As required by Section III, Specific Condition 25. of the above referenced permit, TEC shall submit a semi-annual report to the Department of Environmental Protection and the Environmental Protection Commission of Hillsborough County, by July 30th of each year for Quarters 1 and 2, for each gas turbine summarizing the CEMS data and equipment. The report shall include: the 24-hour block average for each day of operation; the number of 1-hour emission averages excluded from each 24-hour average; the emissions due to monitor downtime; the reason for any monitor downtime; unusual maintenance or repair of the CEMS; a summary of any RATA tests performed, and updated general range of ammonia flow rates required to meet NO_x emissions limitations over the range of gas turbine load conditions. Also, as required by Section IV Appendix XS of the above referenced permit, TEC shall submit a semi-annual Continuous Monitor Systems Report.

If there are any questions regarding this report, please contact Laurie Pence or me at (813) 641-5060.

Sincerely,

Laura R. Crouch
Manager – Air Programs
Environmental Affairs

EA/br/RPT001BPS Exc. Emis./GG Report Qtr 2, 03

Enclosures

c/enc: Jeff Koerner- FDEP

I, the undersigned, am the responsible official as defined in Chapter 62-213, F.A.C., of the Title V source for which this document is being submitted. I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

Signature

7/30/03
Date

Wade A. Maye
Name

General Manager, Bayside Power Station
Title

BAYSIDE POWER STATION
MONTHLY SULFUR CONTENT REPORT

Date	Sulfur Content (grains per 100 SCF)
April-03	0.112
May-03	0.092
June-03	0.092

SUMMARY REPORT – NO_x EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE NSPS SUBPART GG

Pollutant: NOx - Combustion Turbine

Emission Limitation: 3.5 ppmvd @ 15% O_2 on a 24-hour block average

Reporting period dates: From 04/01/03 to 06/30/03

Company: Tampa Electric Company
Address: P.O. Box 111
Tampa, FL 33601-0111

Monitor Manufacturer and Model No.: Thermal Environmental 42CLS

Date of Latest CMS Certification or Audit: April 2003

Process Unit Description : 169 MW Combined Cycle Combustion Turbine (CT 1A)

Total source operating time in reporting period[1]: 1460.50

Emission Data Summary[1]		CMS Performance Summary[2]	
1. Duration of excess emissions in reporting period due to:		1. CMS downtime in reporting period due to:	
a. Startup/Shutdown	37	a. Monitor equipment malfunctions	34
b. Control equipment problems	0	b. Non-Monitor equipment malfunctions	4
c. Process problems	4	c. Quality assurance calibration	2
d. Other known causes	0	d. Other known causes	0
e. Unknown causes	0	e. Unknown causes	0
2. Total duration of excess emission	41	2. Total CMS Downtime	40
3. Total duration of excess emissions x (100) / Total source operating time	2.8 %	3. Total CMS Downtime x (100) / Total source operating time	2.7 %

Note: On a separate page, describe any changes to CMS, process or controls during last 6 months. For each quarter, summarize the ammonia injection rates over various loads and the data excluded due to startups, shutdowns, and malfunctions.

This form is used for reporting excess emission according to New Source Performance Standard (NSPS) Subpart GG only. (CO is not a regulated by Subpart GG and is reported under the semi-annual excess emission report required by Section III, permit condition 25.)

1. For gases record all times in hours.

2. For the reporting period: if the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time, both the summary report form and the excess emission report described in 60.7(c) shall be submitted.

   TEC Note: The summary report form and the excess emission report required will also be submitted in the semi-annual report.

Per Title V Permit #0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1A
24 - HOUR BLOCK AVERAGE - QUARTER 2, 2003

Date	24-hour block CO	24-hour block NOx
04/23/2003	0.4	3.1
04/24/2003	0.7	3.1
04/25/2003	0.8	2.9
04/26/2003	0.9	3.2
04/27/2003	1.1	2.7
04/28/2003	Offline	Offline
04/29/2003	0.0	0.0
04/30/2003	1.1	3.1
05/01/2003	1.3	2.9
05/02/2003	1.4	3.0
05/03/2003	1.3	3.0
05/04/2003	1.5	3.0
05/05/2003	1.6	3.0
05/06/2003	1.4	3.0
05/07/2003	1.5	3.0
05/08/2003	1.6	3.0
05/09/2003	1.8	3.0
05/10/2003	1.8	3.0
05/11/2003	1.8	3.0
05/12/2003	1.8	3.0
05/13/2003	1.9	3.0
05/14/2003	1.8	3.0
05/15/2003	1.8	3.0
05/16/2003	2.0	3.0
05/17/2003	2.0	3.0
05/18/2003	1.9	3.0
05/19/2003	1.8	3.0
05/20/2003	0.9	3.0
05/21/2003	0.5	3.0
05/22/2003	0.5	3.0
05/23/2003	0.4	3.0
05/24/2003	0.6	3.0
05/25/2003	0.7	3.0
05/26/2003	0.6	3.0
05/27/2003	0.5	3.0
05/28/2003	0.5	3.1
05/29/2003	0.2	3.0
05/30/2003	0.2	3.0
05/31/2003	0.2	3.0
06/01/2003	0.2	3.0
06/02/2003	0.3	3.0
06/03/2003	0.3	3.0
06/04/2003	0.2	3.0
06/05/2003	0.3	3.0
06/06/2003	0.4	3.0
06/07/2003	0.3	3.0
06/08/2003	0.4	3.0
06/09/2003	0.5	3.0
06/10/2003	0.7	3.0

06/11/2003	0.7	3.0
06/12/2003	0.6	3.0
06/13/2003	0.5	3.0
06/14/2003	0.6	3.0
06/15/2003	0.6	3.0
06/16/2003	0.5	3.0
06/17/2003	0.5	3.0
06/18/2003	0.6	3.4
06/19/2003	2.9	2.6
06/20/2003	0.6	3.0
06/21/2003	0.5	3.0
06/22/2003	0.6	3.0
06/23/2003	0.6	3.0
06/24/2003	0.7	3.0
06/25/2003	0.7	3.1
06/26/2003	0.8	3.0
06/27/2003	0.7	3.0
06/28/2003	0.2	3.0
06/29/2003	0.1	3.0
06/30/2003	0.8	3.0

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1A
EXCLUDED DATA - QUARTER 2, 2003

Date	Hours Data Excluded	NOx Value of Excluded Data	CO Value of Excluded Data	Reason for Exclusion
04/23/2003	0600	27.3	118.2	Start-up
04/26/2003	0400	20.8	254.5	Shutdown/ Malfunction
	0500	16.9	844.7	Shutdown/ Malfunction
	1300	3.4	549.1	Invalid Hour
	1400	50.9	318	Start-up/ Malfunction
	1500	61.3	244.9	Start-up/ Malfunction
04/27/2003	2000	9.7	101	Shutdown
04/29/2003	0700	46.6	352.5	Malfunction
	0800	9.9	4.7	Malfunction
	0900	6	256	Malfunction
04/30/2003	1200	22.7	406.7	Start-up
	1300	35.8	145.3	Start-up
	1600	10.4	16.7	Malfunction
	2400	8.6	79.8	Shutdown
05/01/2003	0900	22.2	148.4	Start-up
05/02/2003	2100	7.1	66.1	Shutdown
05/03/2003	0800	43.5	391.9	Start-up
	0900	11.9	22.7	Start-up
05/16/2003	2300	44.3	685.5	Shutdown
05/17/2003	0900	38	451.4	Start-up
	1000	11.9	26.8	Start-up
05/18/2003	2300	8.3	87.3	Shutdown
05/19/2003	0800	36.9	445.8	Start-up
	0900	17.8	59.4	Start-up
	2400	23.1	329.5	Shutdown
05/20/2003	1200	*	0	Calibration Hour
	1300	*	0	Calibration Hour
05/21/2003	0700	27.3	141.1	Start-up
05/23/2003	2100	7.7	164.8	Shutdown
05/24/2003	1100	14.9	426.4	Start-up
	1200	18.3	110.6	Start-up
05/28/2003	0800	41.4	231.4	Start-up
	2400	21	259.1	Shutdown
05/29/2003	1100	37.1	188.5	Start-up
05/30/2003	2100	17.7	738	Shut-down
05/31/2003	0900	21	113.9	Start-up
06/02/2003	1900	31.4	178.1	Steam Turbine Merge
	2000	37.1	317.8	Steam Turbine Merge
	2100	36.1	325.3	Steam Turbine Merge
	2200	23.7	139.1	Steam Turbine Merge
06/13/2003	2100	11.4	121.3	Shutdown
06/14/2003	1100	35.8	189.1	Start-up
06/19/2003	0100	23.7	12	Start-up
	0900	9.7	48.4	Startup
	1200	29.5	221.7	Start-up
06/22/2003	0800	8.4	544.4	Start-up
	0900	26.5	217.1	Start-up
	1000	12.2	35.8	Start-up
06/27/2003	1700	0	0	Calibration Hour
	1800	0	0	Calibration Hour
06/28/2003	0400	*	0	Monitor System Trouble
	0500	*	0	Monitor System Trouble
	0600	*	0	Monitor System Trouble
	0700	*	0	Monitor System Trouble
	0800	*	0	Monitor System Trouble
	0900	*	0	Monitor System Trouble
	1000	*	0	Monitor System Trouble
	1100	*	0	Monitor System Trouble
	1200	*	0	Monitor System Trouble
	1300	*	0	Monitor System Trouble
	1400	*	0	Monitor System Trouble

	1500	*	0	Monitor System Trouble
06/29/2003	0100	*	0	Monitor System Trouble
	0300	*	0	Monitor System Trouble
	1600	*	0	Monitor System Trouble
	1700	*	0	Monitor System Trouble
	1900	*	0	Monitor System Trouble
	2000	*	0	Monitor System Trouble
	2200	*	0	Monitor System Trouble
06/30/2003	0100	*	0	Monitor System Trouble
	0200	*	0	Monitor System Trouble
	0300	*	0	Monitor System Trouble
	0400	*	0	Monitor System Trouble
	0500	*	0	Monitor System Trouble
	0600	*	0	Monitor System Trouble
	0700	*	0	Monitor System Trouble
	0800	*	0	Monitor System Trouble
	0900	*	0	Monitor System Trouble
	1000	*	0	Monitor System Trouble
	1100	*	0	Monitor System Trouble
	1200	*	0	Monitor System Trouble
	1300	*	0	Monitor System Trouble
	1400	*	0	Monitor System Trouble
	1500	*	0	Monitor System Trouble

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

* NOx data not excluded.

BAYSIDE POWER STATION - CT 1A
MAINTENANCE/REPAIR OF CEMS - QUARTER 2, 2003

Date	Unusual Maint. Or Repair of CEMS
	No Unusual Maintenance of CEMS

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1A
MONITOR DOWNTIME - QUARTER 2, 2003

Date	Hours of Missing Data for Monitor Downtime	Reason for Monitor Downtime
06/28/2003	12	Spectrapak Communication Lost w/DAHS
06/29/2003	7	Spectrapak Communication Lost w/DAHS
06/30/2003	15	Spectrapak Communication Lost w/DAHS

Monitor availability:	97.68%

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

NOx: 40 CFR 75, Appendix B RATA data required pursuant to these CFRs
CO: 40 CFR 60, Appendix F
Date RATA data

MONITORING DATA CHECKING SOFTWARE 4.1 BETA **05/28/2003**
TEST SUMMARY REPORT PAGE 1

ORIS Code: 7873 State: FL
Facility Name: BAYSIDE County: HILLSBOROUGH

Unit/ Stack ID	Comp/Sys	Sys Parm	Test Type	Test Type	Hour/ End Date	Time	# Lvls	Reason	Reported Result	Recalculated Test Result
CT1A	/113	NOX	RATA (RT 610-616)		04/23/2003	1519	1	C	Pass-APS	Pass-APS

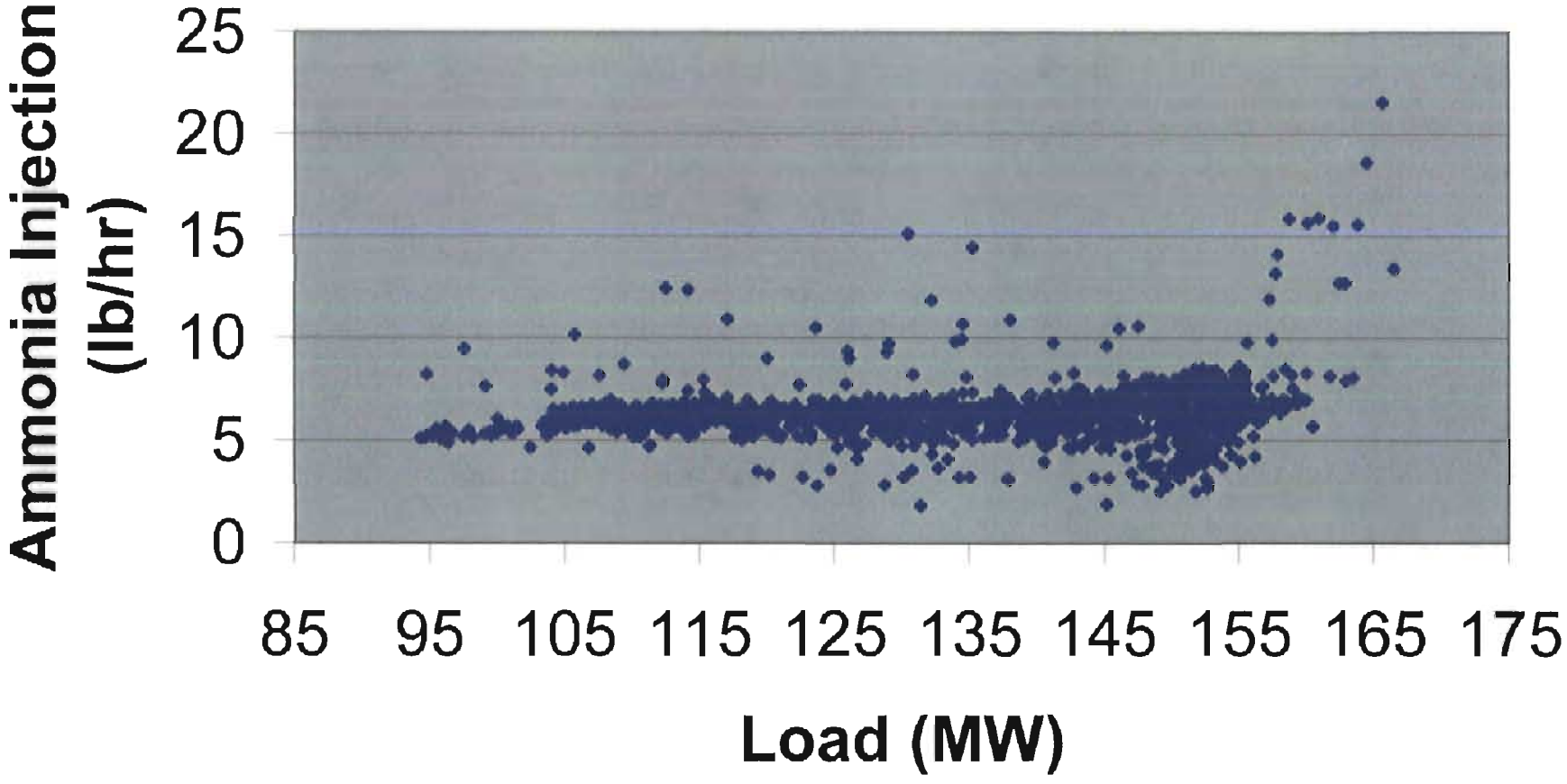
ORIS Code: 7873 Facility: BAYSIDE State: FL
Unit/Stack ID: CT1A System ID: 113 Parameter: NOX
Test End Date/Time: 04/23/2003 1519 Test No.: 1 # of Operating Levels: 1 Units of Measure: LB/MMBTU
Reason for Test: C
Performance Spec: <= 10.0% Next RATA: Four Op Qtrs
Recalc. Results: Pass-APS % RA:12.77 Mean Diff: 0.001 BAF: 1.111
Reported Results: Pass-APS % RA:12.77 Mean Diff: 0.001 BAF: 1.111

Operating Level: H

Run	Start Date	Start Time	End Date	End Run Time	Reference Status	Monitoring Method	Gross Load Value	or Velocity
1	04/23/2003	1023	04/23/2003	1044	1	0.012	0.011	162
2	04/23/2003	1054	04/23/2003	1115	1	0.012	0.011	162
3	04/23/2003	1128	04/23/2003	1149	1	0.012	0.011	161
4	04/23/2003	1212	04/23/2003	1233	1	0.012	0.011	160
5	04/23/2003	1247	04/23/2003	1308	1	0.013	0.011	160
6	04/23/2003	1323	04/23/2003	1344	1	0.012	0.011	159
7	04/23/2003	1355	04/23/2003	1416	1	0.012	0.011	158
8	04/23/2003	1427	04/23/2003	1448	1	0.012	0.011	158
9	04/23/2003	1458	04/23/2003	1519	1	0.013	0.011	157

Summary Statistics	Reported	Recalculated
Mean of Monitoring System	0.011	0.011
Mean of Reference Method Values	0.012	0.012
Mean of Difference	0.001	0.001
Standard Deviation of Difference	0.000	0.000
Confidence Coefficient	0.000	0.000
T-Value	2.306	2.306
Relative Accuracy:	12.77	12.77
Bias Adjustment Factor	1.111	1.111
APS Flag	1	1
Indicator of Normal Op. Level	N	N
Gross Unit Load or Velocity	160	160
Reference Method Used	7e,3a	

BPS Unit 1A
Load(MW) vs. Ammonia Injection



SUMMARY REPORT – NO_x EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE NSPS SUBPART GG

Pollutant: NOx - Combustion Turbine

Emission Limitation: 3.5 ppmvd @ 15% O_2 on a 24-hour block average

Reporting period dates: From 04/01/03 to 06/30/03

Company: Tampa Electric Company
Address: P.O. Box 111
Tampa, FL 33601-0111

Monitor Manufacturer and Model No.: Thermal Environmental 42CLS

Process Unit Description : 169 MW Combined Cycle Combustion Turbine (CT 1B)

Date of Latest CMS Certification or Audit: April 2003

Total source operating time in reporting period[1]: 1376.25

Emission Data Summary[1]		CMS Performance Summary[2]	
1. Duration of excess emissions in reporting period due to:		1. CMS downtime in reporting period due to:	
a. Startup/Shutdown	35	a. Monitor equipment malfunctions	0
b. Control equipment problems	0	b. Non-Monitor equipment malfunctions	0
c. Process problems	2	c. Quality assurance calibration	1
d. Other known causes	0	d. Other known causes	0
e. Unknown causes	0	e. Unknown causes	0
2. Total duration of excess emission	37	2. Total CMS Downtime	1
3. Total duration of excess emissions x (100) / Total source operating time	2.7 %	3. Total CMS Downtime x (100) / Total source operating time	0.07 %

Note: On a separate page, describe any changes to CMS, process or controls during last 6 months. For each quarter, summarize the ammonia injection rates over various loads and the data excluded due to startups, shutdowns, and malfunctions.

This form is used for reporting excess emission according to New Source Performance Standard (NSPS) Subpart GG only. (CO is not a regulated by Subpart GG and is reported under the semi-annual excess emission report required by Section III, permit condition 25.)

1. For gases record all times in hours.

2. For the reporting period: if the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time, both the summary report form and the excess emission report described in 60.7(c) shall be submitted.

   TEC Note: The summary report form and the excess emission report required will also be submitted in the semi-annual report.

Per Title V Permit #0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1B
24 - HOUR BLOCK AVERAGE - QUARTER 2, 2003

Date	24-hour block CO	24-hour block NOx
04/23/2003	0.7	3.2
04/24/2003	2.0	3.5
04/25/2003	0.8	3.0
04/26/2003	0.7	2.9
04/27/2003	0.8	3.0
04/28/2003	0.7	3.0
04/29/2003	0.8	3.0
04/30/2003	0.8	3.0
05/01/2003	0.9	2.8
05/02/2003	0.8	2.7
05/03/2003	0.9	2.8
05/04/2003	Offline	Offline
05/05/2003	Offline	Offline
05/06/2003	Offline	Offline
05/07/2003	Offline	Offline
05/08/2003	Offline	Offline
05/09/2003	Offline	Offline
05/10/2003	Offline	Offline
05/11/2003	Tuning	Tuning
05/12/2003	Tuning	Tuning
01/03/1900	1.0	1.0
05/14/2003	1.1	3.0
05/15/2003	1.0	3.0
05/16/2003	1.1	3.0
05/17/2003	1.1	3.0
05/18/2003	1.1	3.0
05/19/2003	1.1	3.0
05/20/2003	0.9	3.0
05/21/2003	0.6	3.0
05/22/2003	0.7	3.0
05/23/2003	0.7	3.0
05/24/2003	0.7	3.0
05/25/2003	0.7	3.0
05/26/2003	0.7	3.1
05/27/2003	0.7	3.0
05/28/2003	0.8	3.0
05/29/2003	0.7	3.0
05/30/2003	0.8	3.0
05/31/2003	0.7	3.0
06/01/2003	0.8	3.0
06/02/2003	0.8	3.0
06/03/2003	0.8	3.2
06/04/2003	0.8	3.0
06/05/2003	0.8	3.0
06/06/2003	0.8	3.0
06/07/2003	0.8	2.9
06/08/2003	0.8	3.1
06/09/2003	0.8	3.0
06/10/2003	0.9	3.0

06/11/2003	0.8	3.0
06/12/2003	0.9	3.0
06/13/2003	0.9	3.0
06/14/2003	0.9	3.1
06/15/2003	0.9	3.0
06/16/2003	0.9	3.0
06/17/2003	0.9	3.0
06/18/2003	1.0	3.3
06/19/2003	1.3	3.4
06/20/2003	1.0	3.0
06/21/2003	0.3	3.1
06/22/2003	4.3	3.2
06/23/2003	1.0	3.0
06/24/2003	1.0	3.0
06/25/2003	1.2	3.1
06/26/2003	1.3	3.0
06/27/2003	1.1	3.0
06/28/2003	1.1	3.0
06/29/2003	1.1	3.0
06/30/2003	1.0	3.0

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1B
EXCLUDED DATA - QUARTER 2, 2003

Date	Hours Data Excluded	NOx Value of Excluded Data	CO Value of Excluded Data	Reason for Exclusion
04/23/2003	0300	*	0	Calibration Hour
	2200	11.4	339.5	Shutdown
04/24/2003	0800	42	362.8	Start-up
04/29/2003	1300	48.4	362	Start-up
	1400	33.7	87.6	Start-up
04/30/2003	1800	32.3	245.3	Malfunction
	1900	47.3	298.6	Malfunction
05/01/2003	2300	11.9	151.2	Shutdown
05/02/2003	0900	38.6	343.2	Start-up
	1000	12.7	24.2	Start-up
	2200	10.1	360.5	Shutdown
05/03/2003	1000	26.7	175.7	Start-up
	2200	19.6	311.9	Shutdown
05/04/2003	1100	38.3	508	Start-up/Tripped
05/08/2003	1000	34.4	530.6	Start-up/Tripped
	1800	37.6	544.3	Start-up/Shutdown
05/11/2003				Tuning
05/12/2003				Tuning
05/13/2003	0700	19.8	144.3	Start-up
05/17/2003	2200	8.5	268.4	Shutdown
05/18/2003	0900	26.5	299.7	Start-up
05/23/2003	2200	17.7	766.3	Shutdown
05/24/2003	1300	40.3	415.4	Start-up
	1400	12.3	20.5	Start-up
05/26/2003	2300	7	220.5	Shutdown
05/27/2003	0900	39.2	237.9	Shutdown
05/30/2003	2200	9.9	127.3	Shutdown
05/31/2003	1000	30.9	226.4	Start-up
06/05/2003	2400	8.6	369.4	Shutdown
06/06/2003	0900	11.7	134	Start-up
06/07/2003	0200	8	198.2	Shutdown
	0800	32.2	174.8	Start-up
	2000	4.1	70.6	Shutdown
06/08/2003	1400	15.1	119.7	Start-up
06/20/2003	2200	6.2	216.3	Shutdown
06/21/2003	0900	0.3	233.3	Start-up
	1000	8.9	111.6	Start-up
	2000	30	36.4	Start-up
	2100	13.6	112.4	Start-up
06/22/2003	0700	19.3	272.4	Start-up

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

* NOx data not excluded.

BAYSIDE POWER STATION - CT 1B
MAINTENANCE/REPAIR OF CEMS - QUARTER 2, 2003

Date	Unusual Maint. Or Repair of CEMS
	No Unusual Maintenance of CEMS

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1B
MONITOR DOWNTIME - QUARTER 2, 2003

Date	Hours of Missing Data for Monitor Downtime	Reason for Monitor Downtime

Monitor availability	100%

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

NOx: 40 CFR 75, Appendix B RATA data required pursuant to these CFRs
CO: 40 CFR 60, Appendix F
Date RATA data

MONITORING DATA CHECKING SOFTWARE 4.1 BETA **05/28/2003**
TEST SUMMARY REPORT PAGE 1

ORIS Code: 7873 State: FL
Facility Name: BAYSIDE County: HILLSBOROUGH

Unit/ Stack ID	Sys Comp/Sys	Comp Parm	Test Type	Test Type	Hour/ End Date	Test Time	Load #	Reported Test Lvls	Reported Result	Recalculated Test Result
CT1B	/213	NOX	RATA (RT 610-616)		04/17/2003	1209	1	1	C	Pass-APS	Pass-APS

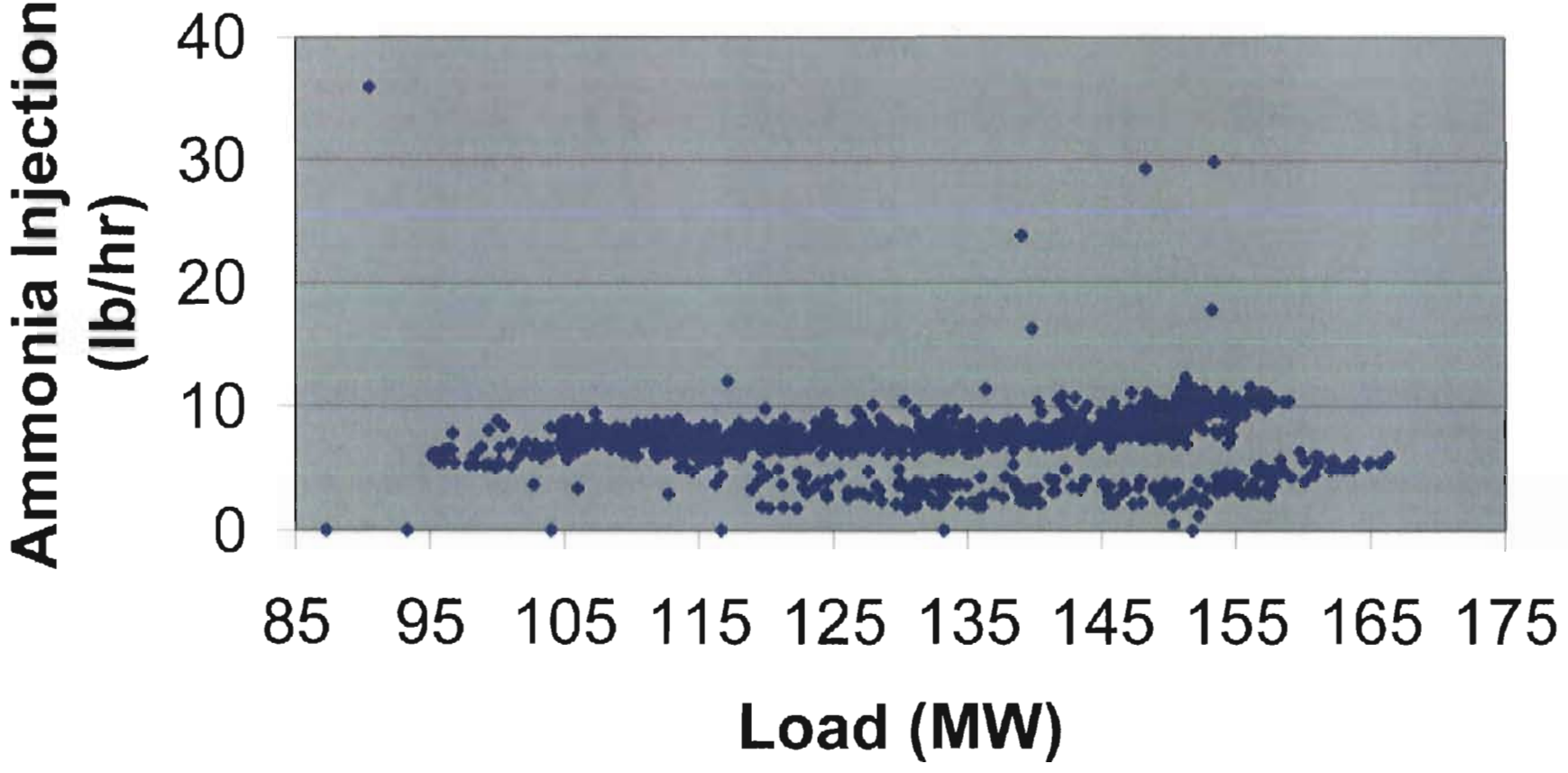
ORIS Code: 7873 Facility: BAYSIDE State: FL
Unit/Stack ID: CT1B System ID: 213 Parameter: NOX
Test End Date/Time: 04/17/2003 1209 Test No.: 1 # of Operating Levels: 1 Units of Measure: LB/MMBTU
Reason for Test: C
Performance Spec: <= 10.0% Next RATA: Four Op Qtrs
Recalc. Results: Pass-APS % RA: 9.09 Mean Diff: 0.001 BAF: 1.100
Reported Results: Pass-APS % RA: 9.09 Mean Diff: 0.001 BAF: 1.100

Operating Level: H

Run	Start Date	Start Time	End Date	End Time	Reference Status	Monitoring Method	Gross Load Value	or Velocity
1	04/17/2003	0702	04/17/2003	0723	1	0.011	0.010	164
2	04/17/2003	0736	04/17/2003	0757	1	0.011	0.010	163
3	04/17/2003	0809	04/17/2003	0830	1	0.011	0.010	162
4	04/17/2003	0850	04/17/2003	0911	1	0.011	0.010	160
5	04/17/2003	0923	04/17/2003	0944	1	0.011	0.010	160
6	04/17/2003	1000	04/17/2003	1021	1	0.011	0.010	159
7	04/17/2003	1035	04/17/2003	1056	1	0.011	0.010	158
8	04/17/2003	1116	04/17/2003	1137	1	0.011	0.010	157
9	04/17/2003	1148	04/17/2003	1209	1	0.011	0.010	157

Summary Statistics	Reported	Recalculated
Mean of Monitoring System	0.010	0.010
Mean of Reference Method Values	0.011	0.011
Mean of Difference	0.001	0.001
Standard Deviation of Difference	0.000	0.000
Confidence Coefficient	0.000	0.000
T-Value	2.306	2.306
Relative Accuracy:	9.09	9.09
Bias Adjustment Factor	1.100	1.100
APS Flag	1	1
Indicator of Normal Op. Level	N	N
Gross Unit Load or Velocity	160	160
Reference Method Used	7e,3a	

BPS Unit 1B
Load(MW) vs. Ammonia Injection



SUMMARY REPORT – NO_x EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE NSPS SUBPART GG

Pollutant: NOx - Combustion Turbine

Emission Limitation: 3.5 ppmvd @ 15% O_2 on a 24-hour block average

Reporting period dates: From 04/01/03 to 06/30/03

Company: Tampa Electric Company
Address: P.O. Box 111
Tampa, FL 33601-0111

Monitor Manufacturer and Model No.: Thermal Environmental 42CLS

Process Unit Description : 169 MW Combined Cycle Combustion Turbine (CT 1C)

Date of Latest CMS Certification or Audit: April 2003

Total source operating time in reporting period[1]: 1424

Emission Data Summary[1]		CMS Performance Summary[2]	
1. Duration of excess emissions in reporting period due to:		1. CMS downtime in reporting period due to:	
a. Startup/Shutdown	58	a. Monitor equipment malfunctions	0
b. Control equipment problems	0	b. Non-Monitor equipment malfunctions	0
c. Process problems	1	c. Quality assurance calibration	0
d. Other known causes	0	d. Other known causes	0
e. Unknown causes	0	e. Unknown causes	0
2. Total duration of excess emission	59	2. Total CMS Downtime	0
3. Total duration of excess emissions x (100) / Total source operating time	4.1 %	3. Total CMS Downtime x (100) / Total source operating time	0%

Note: On a separate page, describe any changes to CMS, process or controls during last 6 months. For each quarter, summarize the ammonia injection rates over various loads and the data excluded due to startups, shutdowns, and malfunctions.

This form is used for reporting excess emission according to New Source Performance Standard (NSPS) Subpart GG only. (CO is not a regulated by Subpart GG and is reported under the semi-annual excess emission report required by Section III, permit condition 25.)

1. For gases record all times in hours.

2. For the reporting period: if the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time, both the summary report form and the excess emission report described in 60.7(c) shall be submitted.

TEC Note: The summary report form and the excess emission report required will also be submitted in the semi-annual report.

BAYSIDE POWER STATION - CT 1C
24 - HOUR BLOCK AVERAGE - QUARTER 2, 2003

Date	24-hour block CO	24-hour block NOx
04/23/2003	0.4	3.2
04/24/2003	0.5	3.1
04/25/2003	5.8	3.3
04/26/2003	0.5	3.0
04/27/2003	0.5	3.0
04/28/2003	0.4	3.0
04/29/2003	0.5	3.0
04/30/2003	0.4	3.0
05/01/2003	0.5	2.9
05/02/2003	0.5	3.0
05/03/2003	0.5	3.1
05/04/2003	0.6	3.0
05/05/2003	0.6	3.0
05/06/2003	0.5	3.1
05/07/2003	0.5	3.1
05/08/2003	0.5	3.0
05/09/2003	0.5	3.0
05/10/2003	0.5	3.0
05/11/2003	0.6	3.0
05/12/2003	0.7	3.0
05/13/2003	0.6	3.0
05/14/2003	0.6	3.0
05/15/2003	0.6	3.0
05/16/2003	0.6	3.0
05/17/2003	0.6	3.1
05/18/2003	0.6	3.1
05/19/2003	0.5	3.0
05/20/2003	0.5	3.1
05/21/2003	0.5	3.1
05/22/2003	Offline	Offline
05/23/2003	0.6	3.0
05/24/2003	0.6	3.0
05/25/2003	0.5	3.0
05/26/2003	0.6	3.1
05/27/2003	0.6	3.1
05/28/2003	0.7	3.1
05/29/2003	0.6	3.2
05/30/2003	0.7	3.0
05/31/2003	0.6	3.0
06/01/2003	0.7	3.0
06/02/2003	0.7	3.0
06/03/2003	0.7	3.2
06/04/2003	4.8	3.3
06/05/2003	0.7	3.0
06/06/2003	0.7	3.0
06/07/2003	0.6	3.0
06/08/2003	0.6	3.0
06/09/2003	0.7	3.0
06/10/2003	0.7	3.0

06/11/2003	0.7	3.0
06/12/2003	0.8	3.1
06/13/2003	0.7	3.0
06/14/2003	0.6	3.1
06/15/2003	0.8	2.8
06/16/2003	0.8	3.2
06/17/2003	0.7	3.2
06/18/2003	0.8	3.1
06/19/2003	0.7	3.0
06/20/2003	0.8	3.0
06/21/2003	0.8	3.0
06/22/2003	0.8	3.0
06/23/2003	0.8	3.0
06/24/2003	0.9	3.1
06/25/2003	1.0	3.1
06/26/2003	0.9	3.0
06/27/2003	1.9	3.1
06/28/2003	0.6	3.0
06/29/2003	0.7	3.0
06/30/2003	0.7	3.0

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1C
EXCLUDED DATA - QUARTER 2, 2003

Date	Hours Data Excluded	NOx Value of Excluded Data	CO Value of Excluded Data	Reason for Exclusion
04/26/2003	0600	41.4	297	Start-up
	0700	12.9	16.9	Start-up
04/29/2003	1500	40.3	270.6	Start-up
	1600	10.6	13.2	Start-up
04/30/2003	1400	12.5	101.5	Shutdown
	1500	19.9	225.3	Shutdown
	1600	19	233.6	Malfunction
	1700	5.4	2316	Shutdown
05/01/2003	1300	4.7	275.4	Start-up
	1400	35.5	468.5	Start-up
	1500	9.7	33.2	Start-up
	2400	17.2	788.4	Shutdown
05/02/2003	1100	28.1	145	Start-up
05/03/2003	2200	9.3	142.5	Shutdown
05/04/2003	1000	29.9	161.5	Start-up
05/11/2003	2200	8.1	181.3	Shutdown
05/12/2003	0700	20.9	126.6	Start-up
	2300	21	290.9	Shutdown
05/13/2003	0800	21	125.5	Start-up
05/16/2003	2200	28.5	410.3	Shutdown
05/17/2003	0800	48.2	172.2	Start-up
	2300	15.8	200.5	Shutdown
05/18/2003	1000	44.4	335	Start-up
05/23/2003	1100	34.7	411.5	Start-up
	1200	32.4	177.3	Start-up
05/24/2003	2400	16.7	323	Shutdown
05/25/2003	1000	37.1	274.3	Start-up
05/29/2003	2100	16.4	772.2	Shutdown
05/30/2003	0900	43.3	260.3	Start-up
06/05/2003	0700	41.3	248.8	Start-up
	0800	12.1	54.7	Start-up
06/07/2003	2100	3	68.8	Shutdown
06/08/2003	1200	10.9	377.9	Start-up
	1300	15.2	97.2	Start-up
06/09/2003	2200	6.8	75	Shutdown
06/10/2003	0800	40.1	285.8	Start-up
06/12/2003	1900	9.3	108.8	Shutdown
06/13/2003	0500	22.2	395.7	Start-up
	0600	11.1	123	Start-up
	2000	24.5	331.4	Shutdown
06/14/2003	1100	40.1	330.6	Start-up
	1200	26.7	125.8	Start-up
06/16/2003	2200	9.4	97.8	Shutdown
06/17/2003	0800	0	4	Start-up
	0900	22.9	180.2	Start-up
06/18/2003	2100	15.5	235.2	Shutdown
06/19/2003	0900	31.6	266.7	Start-up
	2100	3	57.2	Shutdown

06/20/2003	0900	6.5	424.1	Start-up
	1000	12	79.5	Start-up
06/21/2003	2100	13.1	426.4	Start-up
	2200	40.6	221.3	Start-up
	2300	22.7	114.2	Start-up
06/28/2003	0100	18.9	2074	Shutdown
	0700	27.5	297.7	Start-up
	0800	7.5	38.9	Start-up
	2300	19.9	301	Shutdown
06/29/2003	1100	22.7	166.6	Start-up
06/30/2003	2400	8.1	207.2	Shutdown

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1C
MAINTENANCE/REPAIR OF CEMS - QUARTER 2, 2003

Date	Unusual Maint. Or Repair of CEMS
	No Unusual Maintenance of CEMS

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

BAYSIDE POWER STATION - CT 1C
MONITOR DOWNTIME - QUARTER 2, 2003

Date	Hours of Missing Data for Monitor Downtime	Reason for Monitor Downtime

Monitor availability:	100%

Per Air Permit No. 0570040-015-AC, Section III, Specific Condition 25

NOx: 40 CFR 75, Appendix B RATA data required pursuant to these CFRs
CO: 40 CFR 60, Appendix F
Date RATA data

MONITORING DATA CHECKING SOFTWARE 4.1 BETA **05/28/2003**
TEST SUMMARY REPORT PAGE 1

ORIS Code: 7873 State: FL
Facility Name: BAYSIDE County: HILLSBOROUGH

Unit/ Stack ID	Sys Comp/Sys	Comp Parm	Test Type	Test Type	Hour/ End Date	Test Time	Load #	Reported Test Lvls	Recalculated Test Reason	Reported Result	Recalculated Result
CT1C	/313	NOX	RATA (RT 610-616)		04/18/2003	1110	1	1	C	Pass-APS	Pass-APS

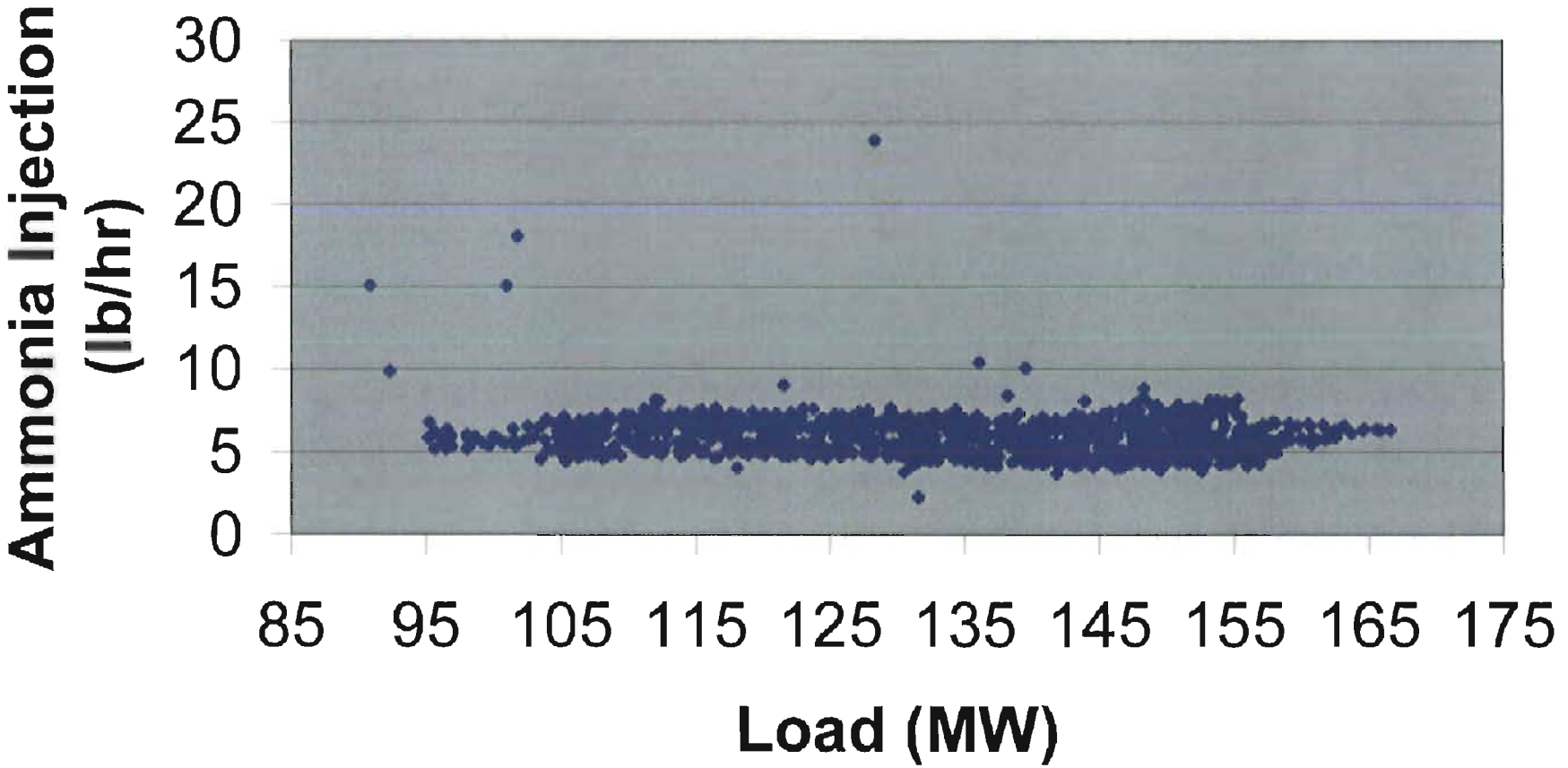
ORIS Code: 7873 Facility: BAYSIDE State: FL
Unit/Stack ID: CT1C *System ID:* 313 Parameter: NOX
Test End Date/Time: 04/18/2003 1110 Test No.: 1 # of Operating Levels: 1 Units of Measure: LB/MMBTU
Reason for Test: C
Performance Spec: <= 10.0% Next RATA: Four Op Qtrs
Recalc. Results: Pass-APS % RA:16.97 Mean Diff: 0.002 BAF: 1.111
Reported Results: Pass-APS % RA:16.97 Mean Diff: 0.002 BAF: 1.111

Operating Level: H

Run	Start Date	Start Time	End Date	End Time	Reference Status	Monitoring Method Value	Gross Load or Velocity
1	04/18/2003	0601	04/18/2003	0622	1	0.011	0.010	168
2	04/18/2003	0652	04/18/2003	0713	1	0.012	0.010	168
3	04/18/2003	0725	04/18/2003	0746	1	0.012	0.010	167
4	04/18/2003	0757	04/18/2003	0818	1	0.012	0.010	165
5	04/18/2003	0830	04/18/2003	0851	1	0.012	0.010	163
6	04/18/2003	0904	04/18/2003	0925	1	0.012	0.010	162
7	04/18/2003	0941	04/18/2003	1002	1	0.011	0.010	161
8	04/18/2003	1014	04/18/2003	1035	1	0.011	0.010	160
9	04/18/2003	1049	04/18/2003	1110	1	0.011	0.010	159

Summary Statistics	Reported	Recalculated
Mean of Monitoring System	0.010	0.010
Mean of Reference Method Values	0.012	0.012
Mean of Difference	0.002	0.002
Standard Deviation of Difference	0.001	0.001
Confidence Coefficient	0.000	0.000
T-Value	2.306	2.306
Relative Accuracy:	16.97	16.97
Bias Adjustment Factor	1.111	1.111
APS Flag	1	1
Indicator of Normal Op. Level	N	N
Gross Unit Load or Velocity	164	164
Reference Method Used	7e,3a	

BPS Unit 1C
Load(MW) vs. Ammonia Injection



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