

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 14, 2005

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Serial No. 05-055
SPS Lic/JSA R0
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Gentlemen:

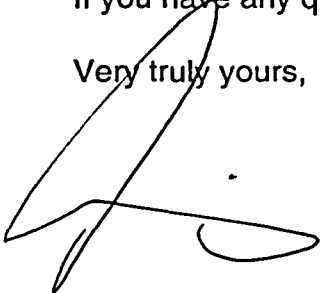
VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
MONTHLY OPERATING REPORT

The Monthly Operating Report for Surry Power Station Units 1 and 2 for the month of January 2005 is provided in the attachment.

In October 2004, an issue was discovered with Surry Units 1 & 2 station service integrators that resulted in each unit's Net Generation being overstated by approximately 11 megawatts/hour since 1993. The metering issue has been corrected and the cumulative Net Generation data and Maximum Dependable Capacity for both units have been revised to reflect the correct data in this report.

If you have any questions or require additional information, please contact us.

Very truly yours,



Donald E. Jernigan,
Site Vice President
Surry Power Station

Attachment

Commitments made by this letter: None

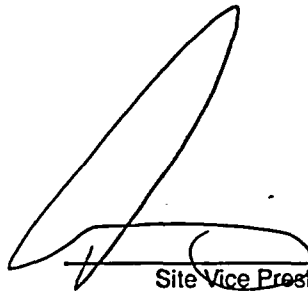
TE24

cc: United States Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23 T85
Atlanta, Georgia 30303-8931

Mr. N. P. Garrett
NRC Senior Resident Inspector
Surry Power Station

**VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
MONTHLY OPERATING REPORT
REPORT No. 05-01**

Approved:



Site Vice President

Feb 14, 2005

Date

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OPERATING DATA REPORT

Docket No.: 50-280
Date: 02/01/05
Completed By: R. Stief
Telephone: (757) 365-2486

1. Unit Name: Surry Unit 1
2. Reporting Period:..... January 2005
3. Licensed Thermal Power (MWt):..... 2546
4. Nameplate Rating (Gross MWe):..... 847.5
5. Design Electrical Rating (Net MWe):..... 788
6. Maximum Dependable Capacity (Gross MWe):.... 840
7. Maximum Dependable Capacity (Net MWe):..... 799
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

11. Hours in Reporting Period
12. Hours Reactor Was Critical
13. Reactor Reserve Shutdown Hours
14. Hours Generator On-Line
15. Unit Reserve Shutdown Hours
16. Gross Thermal Energy Generated (MWH)
17. Gross Electrical Energy Generated (MWH)
18. Net Electrical Energy Generated (MWH)
19. Unit Service Factor
20. Unit Availability Factor
21. Unit Capacity Factor (Using MDC Net)
22. Unit Capacity Factor (Using DER Net)
23. Unit Forced Outage Rate
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Type and duration of scheduled shutdowns are no longer provided.
[Reference: Letter S/N 00-069, dated February 7, 2000]

25. If Shut Down at End of Report Period, Estimated Date of Start-up: Estimated start-up dates are no longer provided. [Reference: Letter S/N 00-069, dated February 7, 2000]
26. Unit In Test Status (Prior to Commercial Operation):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

Docket No.: 50-281
Date: 02/01/05
Completed By: R. Stief
Telephone: (757) 365-2486

1. Unit Name: Surry Unit 2
2. Reporting Period:..... January 2005
3. Licensed Thermal Power (MWt):..... 2546
4. Nameplate Rating (Gross MWe):..... 847.5
5. Design Electrical Rating (Net MWe):..... 788
6. Maximum Dependable Capacity (Gross MWe):.... 840
7. Maximum Dependable Capacity (Net MWe):..... 799
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.00	744.00	278377.00
12. Hours Reactor Was Critical	744.00	744.00	208335.82
13. Reactor Reserve Shutdown Hours	0.00	0.00	328.10
14. Hours Generator On-Line	744.00	744.00	205797.17
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1893613.00	1893613.00	494396004.80
17. Gross Electrical Energy Generated (MWH)	637408.00	637408.00	162930253.00
18. Net Electrical Energy Generated (MWH)	606593.00	606593.00	154783038.00
19. Unit Service Factor	100.00%	100.00%	73.93%
20. Unit Availability Factor	100.00%	100.00%	73.93%
21. Unit Capacity Factor (Using MDC Net)	102.04%	102.04%	70.57%
22. Unit Capacity Factor (Using DER Net)	103.47%	103.47%	70.56%
23. Unit Forced Outage Rate	0.00%	0.00%	9.23%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

April 2005

Type and duration of scheduled shutdowns are no longer provided.

[Reference: Letter S/N 00-069, dated February 7, 2000]

25. If Shut Down at End of Report Period, Estimated Date of Start-up: Estimated start-up dates are no longer provided. [Reference: Letter S/N 00-069, dated February 7, 2000]

26. Unit In Test Status (Prior to Commercial Operation):

	<u>FORECAST</u>	<u>ACHIEVED</u>
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**UNIT SHUTDOWN AND POWER REDUCTION
(EQUAL TO OR GREATER THAN 20%)**

REPORT MONTH: January 2005

Docket No.: 50-280
Unit Name: Surry Unit 1
Date: 02/02/05
Completed by: R. Stief
Telephone: (757) 365-2486

None during the Reporting Period

(1)
F: Forced
S: Scheduled

(2)
REASON:
A - Equipment Failure (Explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction
E - Operator Training & Licensing Examination
F - Administrative
G - Operational Error (Explain)
H - Other (Explain)

(3)
METHOD:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Other (Explain)

(4)
Exhibit G - Instructions for Preparation of Data Entry Sheets
for Licensee Event Report (LER) File (NUREG 0161)

(5)
Exhibit 1 - Same Source

**UNIT SHUTDOWN AND POWER REDUCTION
(EQUAL TO OR GREATER THAN 20%)**

REPORT MONTH: January 2005

Docket No.: 50-281
Unit Name: Surry Unit 2
Date: 02/02/05
Completed by: R. Stief
Telephone: (757) 365-2486

None during the Reporting Period

(1)
F: Forced
S: Scheduled

(2)
REASON:
A - Equipment Failure (Explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction
E - Operator Training & Licensing Examination
F - Administrative
G - Operational Error (Explain)
H - Other (Explain)

(3)
METHOD:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Other (Explain)

(4)
Exhibit G - Instructions for Preparation of Data Entry Sheets
for Licensee Event Report (LER) File (NUREG 0161)

(5)
Exhibit 1 - Same Source

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-280
 Unit Name: Surry Unit 1
 Date: 02/02/05
 Completed by: R. Stief
 Telephone: (757) 365-2486

MONTH: January 2005

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	813	17	812
2	813	18	811
3	813	19	811
4	813	20	810
5	813	21	811
6	813	22	812
7	813	23	812
8	812	24	811
9	812	25	811
10	811	26	811
11	811	27	811
12	810	28	811
13	810	29	811
14	811	30	811
15	813	31	811
16	812		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe - Net for each day in the reporting month. Compute to the nearest whole megawatt.

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-281
 Unit Name: Surry Unit 2
 Date: 02/02/05
 Completed by: R. Stief
 Telephone: (757) 365-2486

MONTH: January 2005

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	816	17	815
2	815	18	815
3	815	19	815
4	815	20	815
5	815	21	815
6	815	22	815
7	816	23	815
8	816	24	815
9	816	25	815
10	816	26	815
11	816	27	815
12	816	28	815
13	816	29	815
14	816	30	816
15	816	31	815
16	816		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe - Net for each day in the reporting month. Compute to the nearest whole megawatt.

SUMMARY OF OPERATING EXPERIENCE

MONTH/YEAR: January 2005

The following chronological sequence by unit is a summary of operating experiences for this month that required load reductions or resulted in significant non-load related incidents.

UNIT ONE:

01/01/05	0000	Unit started the month at 100% / 852 MWe.
01/31/05	2400	Unit finished the month at 100% / 853 MWe.

UNIT TWO:

01/01/05	0000	Unit started the month at 100% / 857 MWe.
01/31/05	2400	Unit finished the month at 100% / 856 MWe.

FACILITY CHANGES THAT DID NOT REQUIRE NRC APPROVAL

MONTH/YEAR: January 2005

None during the Reporting Period.

**PROCEDURE OR METHOD OF OPERATION CHANGES
THAT DID NOT REQUIRE NRC APPROVAL**

MONTH/YEAR: January 2005

None during the Reporting Period.

TESTS AND EXPERIMENTS THAT DID NOT REQUIRE NRC APPROVAL

MONTH/YEAR: January 2005

None during the Reporting Period

CHEMISTRY REPORT

MONTH/YEAR: January 2005

Primary Coolant Analysis	Unit No. 1			Unit No. 2		
	Max.	Min.	Avg.	Max.	Min.	Avg.
Gross Radioactivity, $\mu\text{Ci/ml}$	4.65E-1	2.55E-1	3.75E-1	2.90E-1	1.51E-1	2.21E-1
Suspended Solids, ppm	-	-	-	-	-	-
Gross Tritium, $\mu\text{Ci/ml}$	7.30E-1	3.23E-1	5.73E-1	1.03E+0	7.37E-1	9.62E-1
^{131}I , $\mu\text{Ci/ml}$	2.21E-4	1.05E-5	1.06E-4	1.08E-4	2.89E-5	6.28E-5
$^{131}\text{I}/^{133}\text{I}$	0.12	0.04	0.07	0.26	0.15	0.20
Hydrogen, cc/kg	42.8	38.4	40.4	44.5	40.6	42.2
Lithium, ppm	3.68	3.38	3.51	2.27	2.12	2.19
Boron - 10, ppm*	270	261	267	91	71	81
Oxygen, (DO), ppm	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005
Chloride, ppm	0.016	0.005	0.011	0.007	0.002	0.003
pH @ 25 degree Celsius	6.67	6.43	6.53	7.19	6.98	7.09

* Boron - 10 = Total Boron x 0.196

Comments:

Unit 1: Unit at 100% power. Quarterly Suspended Solids not required.

Unit 2: Unit at 100% power. Quarterly Suspended Solids not required.

FUEL HANDLING
UNITS 1 & 2

MONTH/YEAR: January 2005

New Fuel Shipment or Cask No.	Date Stored or Received	Number of Assemblies per Shipment	Assembly Number	ANSI Number	Initial Enrichment	New or Spent Fuel Shipping Cask Activity
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None during the Reporting Period

**DESCRIPTION OF PERIODIC TEST(S) WHICH WERE NOT COMPLETED
WITHIN THE TIME LIMITS SPECIFIED IN TECHNICAL SPECIFICATIONS**

MONTH/YEAR: January 2005

None during the Reporting Period