

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 22, 2005

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

Serial No. 05-472
NLOS/GDM R0
Docket No. 50-281
License No. DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 2
OWNER'S ACTIVITY REPORTS

By letter dated October 2, 2000, the NRC granted approval to use the recording and reporting requirements of American Society of Mechanical Engineers (ASME) Code Case N-532, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1", for Surry Power Station Units 1 and 2. Therefore, in accordance with the requirements of ASME Code Case N-532, the Owner's Activity Reports (Form OAR-1) for Surry Unit 2 refueling outages S2R17, S2R18 and S2R19 are provided in Attachment 1. Surry Unit 2 extended the end of the third interval by one year as allowed by the ASME Section XI Code to complete the Ten-Year Reactor Vessel Examination and various other inservice inspection exams. This information completes the reporting requirements for the third period of the third ten-year inservice inspection (ISI) interval for Surry Unit 2.

Also, Surry Unit 2 simultaneously entered the fourth ten-year ISI interval on May 10, 2004. Therefore, the Form OAR-1, completed through the duration of the S2R19 refueling outage as allowed by Code Case N-532-1 for the fourth interval ISI exams, is provided in Attachment 2.

Should you have any questions regarding this submittal, please contact Mr. Gary Miller at (804) 273-2771.

Very truly yours,



Leslie N. Hartz
Vice President - Nuclear Engineering

Attachments

Commitments made in this letter: None

cc: U.S. Nuclear Regulatory Commission
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Mr. N. P. Garrett
NRC Senior Resident Inspector
Surry Power Station

Mr. R. A. Smith
Authorized Nuclear Inspector
Surry Power Station

ATTACHMENT 1

**Owner's Activity Reports (Form OAR-1) for Surry Unit 2 Refueling Outages
S2R17, S2R18 and S2R19**

Third Ten-Year Inservice Inspection Interval

**Virginia Electric and Power Company
(Dominion)
Surry Power Station Unit 2**

**SURRY POWER STATION, S2 R17 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: 2-3-3-1 (Unit 2, 3rd Interval, 3rd Period, 1st Report)

Owner Virginia Electric and Power Company, 5000 Dominion Boulevard, Glen Allen, VA 23060

Plant: Surry Power Station, 5570 Hog Island Rd., Surry, VA 23883

Unit No. 2 Commercial service date 05/01/73 Refueling outage no. S2 R17

Current inspection interval 3rd

Current inspection period 3rd

Edition and Addenda of Section XI applicable to the inspection plan 1989 Edition

Date and revision of inspection plan ISI Program Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan NA

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(If applicable)

Signed Ed Hone Supv. TEST & Insp. Date 7/26/05
(Owner's or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSB - CT of Hartford, CT have

inspected the items

described in this Owner's Activity Report, during the period 11/3/00 to 4/22/02, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable, in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Alle Smith Commissions VA 883(R)
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/27/05

**SURRY POWER STATION UNIT 2
S2 R17 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS**

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) For The Period**	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	10	.33	3%	15%	Note 1
B-B	5	0	0%	53%	
B-D	24	1	4%	63%	
B-E	8	4.33	54%	100%	
B-G-1	325	74	23%	90%	Note 2
B-G-2	26	2.66	10%	85%	
B-K	22	4	18%	80%	
B-L-1	1	0	0%	0%	Note 1
B-L-2	1	0	0%	100%	Note 2
B-M-2	7	0	0%	100%	Note 2
B-N-1	3	0	0%	66%	
B-N-2	1	0	0%	0%	Note 1
B-N-3	1	0	0%	0%	Note 1
B-O	3	0	0%	0%	Note 1
B-P	7	1	14%	86%	Note 3
B-Q	7	1	14%	86%	
C-A	9	.66	7%	82%	
C-B	14	.66	5%	67%	
C-C	24	5	21%	87%	
C-F-1	124	26	21%	86%	
C-F-2	22	4	18%	77%	
C-G	1	0	0%	0%	Note 2
C-H	3	0	0%	66%	Note 4
D-A	17	4	23%	59%	Note 6
D-B	4	1	25%	100%	Note 6
F-A	230	46	20%	84%	
R-A	38	7	18%	18%	Note 5

* This number reflects only the examinations completed during this report period 11/3/00 to 4/22/02.

** This percentage reflects total examinations completed within the present Third Period through 4/22/02.

Note 1: Deferral to the end of the Interval is permissible.

Note 2: Total examinations required may change based on when a pump or valve is disassembled for maintenance, repair or examination.

Note 3: The Class 1 leakage test is required to be performed every refueling outage and was performed on 4/18/02 for this report period. The numbers and percentages represent the total number of refueling outages in the 3rd Interval.

Note 4: The numbers and percentages represent the total number of periods over the inspection interval.

Note 5: The Risk Informed Program became effective during the 3rd Period. Numbers are for the 3rd Period only. VT-2s are completed in accordance with the System Pressure Test Program.

Note 6: Code Case N-509 was implemented, which skewed completion percentages.

**SURRY POWER STATION UNIT 2
S2 R17 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 2**

**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATION
FOR CONTINUED SERVICE**

Exam Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Exam or Test (Yes or No)
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None for this reporting period.

**SURRY POWER STATION UNIT 2
S2 R17 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3**

**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Condition Found During Scheduled Section XI Examination or Test	Date Completed	R/R Plan #
3	Replacement	2-SW-MOV-201A	Replace valve	No	04/07/02	00-004
1	Repair	2-RC-P-1C	Repair Bolt Hole #16	No	04/13/02	00-125
1	Replacement	2-RC-HSS-110	Replace snubber	No	05/17/01	01-030
1	Replacement	2-FW-HSS-12	Replace snubber	Yes	05/17/01	01-032
3	Repair	30"-WS-465-151	Repair pipe	No	11/19/01	01-148
2	Replacement	14"-WFPD-113-601	Replace pipe	No	04/11/01	02-001
2	Replacement	2-CH-11	Replace bonnet	No	04/02/02	02-076
2	Replacement	2-SA-82	Replace valve	Yes	04/11/02	02-078
2	Replacement	2-SA-81	Replace valve	Yes	04/12/02	02-079
3	Replacement	2-SW-493	Replace pipe upstream valve	No	04/06/02	02-086
IWE	Repair	2-PEN-EP-1E	Repair penetration	No	04/08/02	02-092
3	Repair	3"-CC-162-152	Repair support	No	04/09/02	02-097

Note: The following Station Plant Issues (PI) were submitted to report missing documentation needed for work order closeout:

PI-S-2004-2501 R3

PI-S-2004-2501 R4

PI-S-2004-2642

PI-S-2004-0932

**SURRY POWER STATION, S2 R18 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: 2-3-3-2 (Unit 2, 3rd Interval, 3rd Period, 2nd Report)

Owner Virginia Electric and Power Company, 5000 Dominion Boulevard, Glen Allen, VA 23060

Plant: Surry Power Station, 5570 Hog Island Rd., Surry, VA 23883

Unit No. 2 Commercial service date 05/01/73 Refueling outage no. S2 R18

Current inspection interval 3rd

Current inspection period 3rd

Edition and Addenda of Section XI applicable to the inspection plan 1989 Edition

Date and revision of inspection plan ISI Program Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan NA

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(If applicable)

Signed *Ed Stone* SUPV. TEST & INSP. Date 7/26/05
(Owner's or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSB - CT of Hartford, CT have

inspected the items described in this Owner's Activity Report, during the period 04/23/02 to 12/03/03, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable, in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Al Smith Commissions VA 883(R)
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28/05

**SURRY POWER STATION UNIT 2
S2 R18 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS**

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) For The Period**	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	10	0	3%	15%	Note 1
B-B	5	2.33	47%	100%	
B-D	24	1	8%	67%	
B-E	8	0	54%	100%	
B-G-1	325	0	23%	90%	Note 2
B-G-2	26	4	25%	100%	
B-K	22	4.5	38%	100%	
B-L-1	1	1	100%	100%	Note 1
B-L-2	1	0	0%	100%	Note 2
B-M-2	7	0	0%	100%	Note 2
B-N-1	3	0	0%	66%	
B-N-2	1	0	0%	0%	Note 1
B-N-3	1	0	0%	0%	Note 1
B-O	0	0	0%	0%	Notes 1, 3
B-P	7	1	28%	100%	Note 4
B-Q	7	1	28%	100%	
C-A	9	1.66	25%	100%	Note 8
C-B	14	4.66	38%	100%	
C-C	24	3	33%	100%	
C-F-1	124	16	34%	99%	
C-F-2	22	5	41%	100%	
C-G	1	0	0%	0%	Note 7
C-H	3	0	0%	66%	Note 5
D-A	17	7	64%	100%	Note 9
D-B	4	0	25%	100%	Note 9
F-A	230	36	35%	99%	
R-A	38	28	92%	92%	Note 6

*This number reflects only examinations completed during this report period 4/23/02 to 12/03/03.

** This percentage reflects total examinations completed within the Third Period through 12/03/03.

Note 1: Deferral to the end of the Interval is permissible.

Note 2: Total examinations required may change based on when a pump or valve is disassembled for maintenance, repair or examination.

Note 3: The reactor vessel head was replaced during this refueling outage. All new welds received preservice examination.

Note 4: The Class 1 leakage test is required to be performed every refueling outage and was performed on 11/11/03 during this report period. The numbers and percentages represent the total number of refueling outages that occurred during the 3rd Interval.

Note 5: The numbers and percentages represent the total number of periods over the inspection interval.

Note 6: The Risk Informed Program became effective during the 3rd Period. Numbers are for 3rd Period only. VT-2s are completed in accordance with the System Pressure Test Program.

Note 7: The class 2 pump casing weld requirement is being reevaluated during the R19 RFO per Dominion Letter No. 04-337 to the NRC dated June 28, 2004.

Note 8: Relief Request SR-029 was granted 5/24/02 and subsequently implemented. This relief reduced the overall total requirement for this category and skewed completion percentages.

Note 9: Code Case N-509 was implemented, which skewed completion percentages. The numbers and percentages do not include tally of Class 3 pressure tests which are scheduled to be performed by the end of each period. Numbers and percentages do not reflect VT-2 requirements carried by the Pressure Test Program.

**SURRY POWER STATION UNIT 2
S2 R18 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATION
FOR CONTINUED SERVICE**

Exam Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Exam or Test (Yes or No)
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None for this reporting period.

**SURRY POWER STATION UNIT 2
S2 R18 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3**

**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Condition Found During Scheduled Section XI Examination or Test	Date Completed	R/R Plan #
3	Repair	2-SW-P-10B	Repair support	No	07/02/02	01-004
1	Replacement	2-RC-MOV-2591	Replace studs	No	11/26/03	02-052
IWL	Repair	2-BS-BLD-CONT-BLDG	Repair concrete	No	06/13/02	02-113
2	Replacement	2-SI-HSS-103	Replace snubber	No	03/11/03	03-044
1	Replacement	CRDM	Replace CRDM	No	05/31/03	03-144
2	Replacement	2-CS-130	Replace bonnet studs	Yes	10/09/03	03-221
2	Replacement	2-CS-131	Replace bonnet studs	Yes	10/09/03	03-222
2	Replacement	2-CS-132	Replace bonnet studs	Yes	10/09/03	03-223
2	Replacement	2-CS-133	Replace bonnet studs	Yes	10/09/03	03-224
3	Replacement	2-FW-P-3A	Replace pump	No	10/18/03	03-257
3	Repair	24"-WS-134-10	Repair pipe	No	10/12/03	03-268
2	Repair	2-RH-E-1A	Grind out indications	Yes	10/14/03	03-271
1	Repair	2-RC-E-2	Grind out indications	Yes	10/15/03	03-272
1	Repair	2-RC-E-2	Grind out indications	Yes	10/14/03	03-274
1	Repair	10"-RH-116-1502	Grind out indications	Yes	10/14/03	03-275
2	Replacement	2-SI-H014	Replace bolt	Yes	10/17/03	03-277
2	Replacement	2-RH-MSS-001	Replace snubber	No	10/17/03	03-279
2	Repair	2-RH-HSS-29	Repair hanger	No	10/17/03	03-280
3	Replacement	2-SW-491	Repair valve	Yes	10/23/03	03-285
3	Replacement	2-SW-492	Repair valve	Yes	10/24/03	03-286
2	Repair	2-RH-E-1B	Repair heat exchanger	Yes	11/12/03	03-287
2	Replacement	2-CH-MOV-2287C	Replace valve	No	11/03/03	03-288
3	Replacement	2-SW-MOV-205C	Replace fasteners	No	10/26/03	03-289
3	Replacement	2-SW-442	Replace piping	No	10/31/03	03-293

Note: The following Station Plant Issues (PI) were submitted to report missing documentation needed for work order closeout:

PI-S-2004-2501 R3

PI-S-2004-2501 R4

PI-S-2004-2642

PI-S-2004-0932

PI-S-2004-4538

**SURRY POWER STATION, S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: 2-3-3-3 (Unit 2, 3rd Interval, 3rd Period, 3rd Report, Revision 1)

Owner Virginia Electric and Power Company, 5000 Dominion Boulevard, Glen Allen, VA 23060

Plant: Surry Power Station, 5570 Hog Island Rd., Surry, VA 23883

Unit No. 2 Commercial service date 05/01/73 Refueling outage no. S2 R19

Current inspection interval 3rd

Current inspection period 3rd

Edition and Addenda of Section XI applicable to the inspection plan 1989 Edition

Date and revision of inspection plan ISI Program Revision 4 Chg 01

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan NA

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(If applicable)

Signed *Ed Stone* SUPV. INSP & TEST Date 8/11/05
(Owner's or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSB - CT of Hartford, CT have

inspected the items described in this Owner's Activity Report, during the period 12/4/03 to 5/23/05, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable, in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Ed Stone Commissions VA 883(R)
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/11/05

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS**

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) For The Period**	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	10	8.5	88%	100%	Note 1, 11, 12
B-B	5	0	47%	100%	
B-D	24	8	37%	100%	
B-E	8	0	54%	100%	
B-G-1	293	0	25%	100%	Note 2
B-G-2	26	0	25%	100%	
B-K	22	0	38%	100%	
B-L-1	1	0	100%	100%	Note 1
B-L-2	1	0	0%	100%	Note 2
B-M-2	7	0	0%	100%	Note 2
B-N-1	3	1	33%	100%	
B-N-2	1	1	100%	100%	Note 1
B-N-3	1	1	100%	100%	Note 1
B-O	0	0	0%	0%	Notes 1, 3
B-P	7	0	28%	100%	Note 4
B-Q	7	0	28%	100%	
C-A	9	0	25%	100%	Note 8
C-B	14	0	38%	100%	
C-C	24	0	33%	100%	
C-F-1	124	1	35%	100%	Note 11
C-F-2	22	0	41%	100%	
C-G	30	30	100%	100%	Note 7
C-H	3	1	33%	100%	Note 5, 10
D-A	17	0	64%	100%	Note 9, 10
D-B	4	0	25%	100%	Note 9, 10
F-A	230	2	36%	100%	
R-A	38	3	100%	100%	Note 6

*This number reflects only examinations completed during this report period 12/04/03 to 5/23/05.

** This percentage reflects total examinations completed within the Third Period.

Note 1: Deferral to the end of the Interval is permissible.

Note 2: Total examinations required may change based on when a pump or valve is disassembled for maintenance, repair or examination.

Note 3: The reactor vessel head was replaced during the R18 refueling outage. New CRDs will be included in next period tallies.

Note 4: The Class 1 leakage test is required to be performed every refueling outage. The numbers and percentages represent the total number of refueling outages that occurred during the 3rd Interval. All Class 1 3rd Interval Pressure Testing was completed by November 11, 2003.

Note 5: The numbers and percentages represent the total number of periods over the inspection interval.

Note 6: The Risk Informed Program became effective during the 3rd Period. Numbers are for 3rd Period only. VT-2s are carried by the System Pressure Test Program.

Note 7: 2-SI-P-1B was disassembled and inspected to meet this category requirement per Dominion letter No. 04-337 to the NRC dated June 28, 2004.

Note 8: Relief Request SR-029 was granted 5/24/02 and subsequently implemented. This relief reduced the overall total requirement for this category and skewed completion percentages.

Note 9: Code Case N-509 was implemented, which skewed completion percentages.

Note 10: All Class 2 and 3 Pressure Tests were completed by April 28, 2005.

Note 11: Partial relief is required. The following are pending partial relief requests:

- PRT-001 Category B-A Weld 1-01 RX Vessel Flange to Upper Shell
- PRT-002 Category B-A Weld 1-04 RX Vessel Shell to Lower Head
- PRT-003 Category C-F-1 Circumferential Weld 2-26

Note 12: Plant Issue S-2005-3892 submitted.

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATION
FOR CONTINUED SERVICE**

Exam Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Exam or Test (Yes or No)
B-D	B3.90	Weld 2-15 Reactor Vessel Nozzle to Shell Weld	Subsurface Indication Evaluated by Westinghouse letter VRA-05-13 May 9, 2005 Revision 1 June 2005*	Yes

*This flaw was reported to the NRC by Dominion letter No. 05-384, July 14, 2005.

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3**

**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Condition Found During Scheduled Section XI Examination or Test	Date Completed	R/R Plan #
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The 4th Interval Repair/Replacement Program went into affect May 10, 2004. All work performed during this period is carried in the Interval 4 Program.

ATTACHMENT 2

Owner's Activity Report (Form OAR-1) for Surry Unit 2 Refueling Outage S2R19

Fourth Ten-Year Inservice Inspection Interval

**Virginia Electric and Power Company
(Dominion)
Surry Power Station Unit 2**

**SURRY POWER STATION, S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: 2-4-1-1 (Unit 2, 4th Interval, 1st Period, 1st Report)

Owner Virginia Electric and Power Company, 5000 Dominion Boulevard, Glen Allen, VA 23060

Plant: Surry Power Station, 5570 Hog Island Rd., Surry, VA 23883

Unit No. 2 Commercial service date 05/01/73 Refueling outage no. S2 R19

Current inspection interval 4th

Current inspection period 1st

Edition and Addenda of Section XI applicable to the inspection plan 1998/2000 Edition

Date and revision of inspection plan ISI Plan Revision 1

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan NA

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(If applicable)

Signed *Ed Meese* SUPV. - TEST & INSP. Date 7/26/05
(Owner's or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSB - CT of Hartford, CT have

inspected the items described in this Owner's Activity Report, during the period 5/10/04 to 5/23/05, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable, in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Al Smith Commissions VA 883(R)
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/26/05

Note: ANII has Open Item CS 04-04 for this reporting period.

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS**

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) For The Period**	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	9	0	0%	0%	
B-B	7	.83	12%	12%	
B-D	36	2	5%	5%	
B-G-1	344	80	23%	23%	
B-G-2	94	4	4%	4%	
B-K	22	1	4%	4%	
B-L-1	1	0	0%	0%	
B-L-2	1	0	0%	0%	
B-M-2	7	1	14%	14%	
B-N-1	3	0	0%	0%	
B-N-2	1	0	0%	0%	
B-N-3	1	0	0%	0%	
B-O	3	0	0%	0%	
B-P	7	1	14%	14%	Note 1
B-Q	7	1	14%	14%	
C-A	9	.66	7%	7%	
C-B	14	2.66	19%	19%	
C-C	25	0	0%	0%	
C-F-1	126	5	4%	4%	
C-F-2	39	3	7%	7%	
C-G	2	0	0%	0%	
C-H	3	0	0%	0%	Note 2
D-A	19	7	37%	37%	
D-B	3	0	0%	0%	Note 2
F-A	258	38	14%	14%	
R-A	66	13	19%	19%	

*This number reflects only examinations completed during this report period 12/04/03 to 5/23/05.

** This percentage reflects total examinations completed within the 1st Period.

Note 1 The Class 1 Leakage test is performed every refueling outage and was completed on May 21, 2005.

Note 2 The numbers represent total number of periods over the inspection Interval.

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATION
FOR CONTINUED SERVICE**

Exam Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Exam or Test (Yes or No)
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None for this reporting period.

**SURRY POWER STATION UNIT 2
S2 R19 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3**

**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Condition Found During Scheduled Section XI Examination or Test	Date Completed	R/R Plan #
1	Replacement	2-SI-241	Replace fasteners	No	04/27/05	05-090
2	Replacement	2-MS-169*	Replace piping	No	05/16/05	05-016
2	Replacement	2-RH-HSS-38	Install hanger bolt	Yes	05/07/05	05-216
1	Replacement	2-RC-SOV-200B-2*	Overhaul valve	No	05/17/05	05-122
2	Replacement	2-CH-276	Replace valve	No	05/11/05	05-222
HSS	Replacement	2-CW-E-1C*	Replace flange, pipe	No	11/26/04	04-082
3	Repair	2-FW-P-3B	Weld repair through wall leak	No	04/29/05	05-243
2	Replacement	2-RC-TV-2519A	Replace bonnet assembly	No	05/09/05	05-231
2	Replacement	2-MS-382*	Replace tubing	No	05/09/05	05-012
2	Repair	2-MS-381*	Weld repair through wall leak	No	11/26/04	04-299
2	Replacement	2-CH-267	Replace valve	No	05/13/05	05-223
2	Replacement	2-CH-FE-2180	Replace fasteners	Yes	05/07/05	05-198
2	Replacement	2-CH-TK-2	Replace fasteners	Yes	05/05/05	05-208
1	Replacement	2-RC-HSS-117*	Replace reservoir	Yes	05/10/05	05-230
1	Cor. Measure	2-RC-HSS-110*	Inspect and fill reservoir	Yes	05/10/05	05-229
2	Replacement	2-FW-ICV-3088*	Replace valve	No	05/13/05	05-228
1	Cor. Measure	2-SS-TV-202A*	Cycled operator	Yes	05/17/05	05-238
1	Replacement	2-SS-TV-200A*	Replace valve	Yes	05/16/05	05-239
3	Repair	2-CC-1008	Weld repair through wall leak	No	05/10/05	05-233
2	Replacement	2-MS-119	Replace gate	No	05/18/05	05-245

* Small item repair or replacement. No ANII involvement.

Notes:

Station Plant Issue (PI) S-2004-4539 was submitted to report missing documentation needed for closeout of work order# 38-00479049-01 which was part of the Repair/Replacement Program.

Station Plant Issue (PI) S-2004-2642 was submitted to address an issue associated with Professional Engineer certification requirements.