VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 15, 2007

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

Serial No.: 07-0062
NLOS/GDM: R0
Docket No.: 50-281
License No.: DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
SURRY POWER STATION UNIT 2
INSERVICE INSPECTION OWNER'S ACTIVITY REPORT

As allowed by ASME Code Case N-532-1, "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," the Form OAR-1 for Surry Unit 2 refueling outage S2R20 is enclosed. This document contains reporting requirements for the first period of the fourth ten-year inservice inspection interval for Surry Unit 2 from May 24, 2005 through the duration of the S2R20 refueling outage that was completed on November 20, 2006. The first period ends on May 9, 2007.

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

Very truly yours,

Gerald T. Bischof
Vice President - Nuclear Engineering

Commitments made in this letter: None

Attachment:

1. Owner's Activity Report (Form OAR-1), Surry Unit 2 Refueling Outage S2R20, First Period of the Fourth Ten-Year ISI Interval

cc: U.S. Nuclear Regulatory Commission
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Mr. R. A. Smith
Authorized Nuclear Inspector
Surry Power Station

Attachment

Owner's Activity Report (Form OAR-1)
Surry Unit 2 Refueling Outage S2R20

First Period of the Fourth Ten-Year ISI Interval

Virginia Electric and Power Company
(Dominion)

SURRY POWER STATION, S2 R20 OUTAGE
FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: 2-4-1-2 (Unit 2, 4th Interval, 1st 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 R20

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 3

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 (If applicable) Expiration Date N/A

Signed _____ Date 2-5-07
(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 5/24/05 to 11/20/06, 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.

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

Date 2/5/07

SURRY POWER STATION UNIT 2
S2 R20 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%	Note 3
B-B	5	1.33	26%	26%	Note 4
B-D	24	4	16%	16%	Note 4
B-G-1	344	80	23%	23%	Note 5
B-G-2	94	6	6%	6%	Note 5
B-K	22	5	22%	22%	
B-L-1	1	0	0%	0%	Note 6
B-L-2	1	0	0%	0%	Note 6
B-M-2	7	1	14%	14%	Note 5
B-N-1	3	1	33%	33%	
B-N-2	1	0	0%	0%	Note 6
B-N-3	1	0	0%	0%	Note 6
B-O	3	0	0%	0%	Note 6
B-P	7	2	28%	28%	Note 1
B-Q	7	2	28%	28%	Note 7
C-A	5	1.33	26%	26%	Note 4
C-B	11	4	36%	36%	Note 4
C-C	25	4	16%	16%	
C-F-1	126	35	27%	30%	
C-F-2	50	10	20%	36%	
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	85	32%	32%	
R-A	66	22	33%	33%	

*This number reflects only examinations completed during this report period 5/24/05 to 11/20/06.
** 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 11/19/06.

Note 2 The numbers represent total number of periods over the inspection interval. The 1st Period ends May 9, 2007 at which time all System Pressure Tests should be completed for the period.

Note 3 Deferral is permissible by the Code and Code Case N-623.

Note 4 Relief Request CMP-007 was approved for certain welds that will now be covered by VT-2 exams in conjunction with the period System Pressure Test. Total required changed.

Note 5 Total examinations required will change based on when a pump or valve is disassembled for maintenance, repair or examination.

Note 6 Deferral is permissible per the Code.

Note 7 The extent and frequency of Steam Generator eddy current testing is governed by Surry Technical Specifications.

SURRY POWER STATION UNIT 2
S2 R20 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)

None for this reporting period.

SURRY POWER STATION UNIT 2
S2 R20 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	Boric acid found on flange bolting	Replace fasteners	Yes	11/06/2006	2006-445
2	Replacement	Through wall leaks on 10"-RS-109-153	Replace 23' of pipe	No	11/17/2006	2006-452
3	Replacement	Through wall leak 2"-WS-571-163L	Replace pipe	No	01/12/2006	2006-001
3	Replacement	Cracked flange 4"-WS-569-136	Replace flange	No	01/13/2006	2006-004
3	Repair	ID weld repair of 96" pipe 96"-WC-104-10	Weld repair	No	11/05/2006	2006-410