



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37384-2000

August 10, 2005

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

Gentlemen:

In the Matter of) Docket No. 50-328
Tennessee Valley Authority)

SEQUOYAH NUCLEAR PLANT (SQN) - UNIT 2 CYCLE 13 (U2C13) 90-DAY
INSERVICE INSPECTION (ISI) SUMMARY REPORT

In accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Article IWA-6230, TVA is providing the SQN ISI Summary Report within 90 days from completion of the inspections performed during the U2C13 refueling outage. The summary report contains an overview of the in-service examinations and augmented non-destructive examination results that were performed on ASME Class 1 and 2 components from December 11, 2003, to May 29, 2005. This report also contains a summary of ASME Section XI steam generator tube examinations (Appendix A), a report of the repair and replacement activities (Appendix B), a pressure test report (Appendix C), and the IWE metal containment evaluations (Appendix D).

This report does not contain TVA commitments. Please direct questions concerning this issue to me at (423) 843-7170 or J. D. Smith at (423) 843-6672.

Sincerely,

Sincerely,

Paul L. Pace
Manager, Site Licensing and
Industry Affairs Manager

Enclosure
cc: See page 2

ADN

U.S. Nuclear Regulatory Commission
Page 2
August 10, 2005

cc (Enclosure):

Mr. Douglas V. Pickett, Senior Project Manager
U.S. Nuclear Regulatory Commission
Mail Stop 08G-9a
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852-2739

ENCLOSURE

TENNESSEE VALLEY AUTHORITY (TVA)
SEQUOYAH NUCLEAR PLANT (SQN)
UNIT 2

ASME SECTION XI
INSERVICE INSPECTION SUMMARY REPORT
FROM UNIT 2 CYCLE 13

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

ASME SECTION XI
INSERVICE INSPECTION SUMMARY REPORT FOR
SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 13

DATE OF COMPLETION OF REPORT

7/27/05

PREPARED BY

Jeffrey C. Holst
SYSTEM ENGINEER, COMPONENT (ISI)

REVIEWED BY

T. J. McDermott
ISO NDE LEVEL III

REVIEWED BY

T. J. McDermott
FOR J. W. WHITAKER
ISO ISI/NDE SUPERVISOR

REVIEWED BY

Jeffrey C. Holst
FOR RICHARD M. LEMAY
PER TCR 200
MATERIALS TECHNOLOGY AND CODES

APPROVED BY

[Signature]
COMPONENT ENGINEERING MANAGER

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
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FORM NIS-1 OWNERS' REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Tennessee Valley Authority, 1101 Market St. Chattanooga, TN. 37402-2801
(Name and Address of Owner)
2. Plant Sequoyah Nuclear Plant, P.O. Box 2000, Soddy Daisy, Tennessee 37384-2000
(Name and Address of Plant)
3. Plant Unit TWO (2) 4. Owner Certificate of Authorization (if required) Not Required
5. Commercial Service Date June 1, 1982 6. National Board Number for Unit No Number Assigned
7. Components Inspected:

| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---|----------------------------|--------------------------------------|-----------------------|------------------------------|
| Reactor Vessel | Westinghouse | 30624 | N/A | N/A |
| Steam Generator | Westinghouse | 1321, 1322 1323, 1324 | N/A | 68-62, 68-63 68-64, 68-65 |
| Pressurizer | Westinghouse | 1351 | N/A | 68-81 |
| See Section 2 (Examination Plan) for remaining components | Tennessee Valley Authority | N/A | N/A | N/A |
| See Appendix C for pressure tests | Tennessee Valley Authority | N/A | N/A | N/A |
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates December 11, 2003 to May 29, 2005
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Second Interval
11. Applicable Edition of Section XI 1989 Addenda N/A
12. Date/Revision of Inspection Plan: June 7, 2005 Rev.1
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for Inspection Plan. See Introduction/Summary of Inservice Inspections. Examination status is on schedule. Examinations performed complete the second outage of the third period of the second inspection interval. This completes the examinations for the second interval.
14. Abstract of Results of Examinations and Tests. See Introduction/Summary of Inservice Inspections
15. Abstract of Corrective Measures. See Introduction/Summary of Inservice Inspections

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 7/25/05 Signed TVA By Emmett D. Surr
Owner Emmett D. Surr

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 Tennessee and employed by HSB CT of Hartford CT have inspected the components described in this Owners' Data Report during the period 12/11/03 to 5/29/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

James R. Myhr Commissions TN #2693
Inspector's Signature National Board, State, Province and
Endorsements

Date July 27, 2005

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
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**SCOPE, INTRODUCTION AND SUMMARY OF INSERVICE
EXAMINATIONS**

| | |
|--|---|
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Scope:

This overview is for the Inservice Examinations performed during the Unit 2 Cycle 13 for Class 1 and 2 components as required by 0-SI-DXI-000-114.2 "ASME Section XI ISI/NDE Program Unit 1 and Unit 2", SPP-9.1 "ASME Section XI and Augmented Nondestructive Examination Program", and IWA-6220 of ASME Section XI, 1989 Edition. This report also includes steam generator tubing eddy current examinations in Appendix A, repairs and replacements performed in Appendix B, pressure tests in Appendix C, and the IWE metal containment evaluations in accordance with 10CFR 50.55a(b)(2)(ix) in Appendix D. This report completes the ASME Section XI examinations for the ASME Code Class 1 and 2 components for the second 10 year interval.

Introduction:

The code of record for the second inspection interval which began December 16, 1995, is the 1989 Edition of the ASME Boiler and Pressure Vessel Code, Section XI, Division 1. Starting April 12, 2002 the NDE techniques, qualification of personnel, weld reference system, and standards for examination are in accordance with 1995 Edition of ASME Section XI through the 1996 Addenda.

The Unit 2 Cycle 13 inservice examinations were performed during the period from December 11, 2003 to May 29, 2005. This report also includes repairs and replacements and pressure tests performed during this period. The Unit 2 Cycle 13 Refueling Outage began when the generator was taken off line on April 25, 2005. The outage was completed on May 29, 2005, when the generator was tied to the power grid. The inservice examinations, which include risk-informed inservice inspection examinations, were performed to the implementing plant Surveillance Instruction 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2" revisions 18 through 24. The steam generator tubing eddy current examinations are discussed in Appendix A. Repairs and replacements are discussed in Appendix B. Pressure test examinations are discussed in Appendix C. The IWE metal containment evaluations are discussed in Appendix D. Examinations performed during this cycle satisfy the inspection requirements for the second outage of the third period of the second 10 year inspection interval as defined in the 0-SI-DXI-000-114.2.

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The Authorized Inspection Agency (AIA), Hartford Steam Boiler Inspection and Insurance Company of Connecticut (HSB CT), provided the following ANIs:

Jim Myhan
HSB CT
200 Ashford Center North, Suite 205
Atlanta, Georgia 30338-4860

Summary :

The Unit 2 Cycle 13 refueling outage was the second scheduled refueling outage during the third inspection period of the second Ten Year ISI interval. Class 1 and 2 components were examined in accordance with 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2". A summary listing of examinations performed for code credit are listed in **SECTION 1**. The examinations were performed to TVA approved procedures. The class 1 and 2 components examined and results for this inservice inspection outage are listed in **SECTION 2**. There were six Notice of Indications generated for ASME Section XI, Class 1 and 2 examinations. See **SECTION 3** for notice of indications summary. See **SECTION 4** for additional samples summary. See **SECTION 5** for the successive examinations summary. Regulatory required augmented examinations on the reactor vessel cladding were performed which require submittal to the regulatory authority (Reference **SECTION 6**). There were two ASME Class 1, 2, or 3 equivalent components for which examination results required acceptance by analytical evaluation (IWB-3132.4, IWB-3142.4, IWC-3122.4, IWC-3132.4 or IWD-3000) (Reference **SECTION 7**). There were eleven ISI components that did not receive the code required examination coverage (see **SECTION 8**).

For Unit 2 Cycle 13 steam generator tubing eddy current examinations results and number of tubes examined see **Appendix A**.

For repairs and replacements performed see **Appendix B**.

For Unit 2 Cycle 13 system pressure test results see **Appendix C**.

For Unit 2 Cycle 13 IWE metal containment evaluations see **Appendix D**.

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SECTION 1

EXAMINATION SUMMARY

- Examination Credit Summary
- Examination Code Category and Item Number Summary

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
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EXAMINATION CREDIT SUMMARY

The completion of examinations as required by the inspection plan for the second outage of the third period of the second interval is on schedule. The examination category and number of examinations for the second interval and the third period for the following summary are based on O-SI-DXI-000-114.2 revision 25. This outage completes the examinations for the second 10 year interval.

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL

| CATEGORY | TOTAL NUMBER REQUIRED FOR INTERVAL | TOTAL NUMBER CREDITED FOR THE INTERVAL | TOTAL NUMBER REQUIRED FOR THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR THE THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR U2C13 OF THE THIRD PERIOD | EXCLUSIONS EXCEPTIONS OR DEFERRALS |
|--|---|---|---|---|---|---|
| B-A | 14 | 14 see note 1 | 13 | 13 | 13 | deferral permissible |
| B-B | 5 | 5 | 2 | 2 | 0 | |
| B-D | 36 | 36 | 24 | 24 | 20 | Code Case N-521 |
| B-E See Appendix C | see note 24 | see note 24 | | | | |
| B-F | 22 (4) see notes 11 and 12 | 4 see note 11 | N/A see note 11 | N/A see note 11 | N/A see note 11 | Code Case N-521 |
| B-G-1 | RV (216) RCP (25) see note 10 | RV (216) RCP (25) | RV (72) | RV (72) | RV (72) | RCP only when B-L-2 examination performed |
| B-G-2 | PZR (1) SG (2) RCP (2) Valves (6) Piping (13) | PZR (1) SG (2) RCP (2) Valves (6) Piping (13) | SG (1) Valves (3) Piping (6) | SG (1) Valves (3) Piping(6) | SG (1) Valves (3) Piping(0) | valves only when B-M-2 examination performed or in place in U2C13 |
| B-H, see B-K of Code Case N-509 | | | | | | |
| B-J | 249 (79) see notes 7, 11 and 12 | 79 see notes 8 and 11 | N/A see note 11 | N/A see note 11 | N/A see note 11 | |

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL
(continued)

| CATEGORY | TOTAL NUMBER REQUIRED FOR INTERVAL | TOTAL NUMBER CREDITED FOR THE INTERVAL | TOTAL NUMBER REQUIRED FOR THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR THE THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR U2C13 OF THE THIRD PERIOD | EXCLUSIONS EXCEPTIONS OR DEFERRALS |
|--|--|---|---|---|---|--|
| B-K-1, see B-K of Code Case N-509 | | | | | | |
| B-K of Code Case N-509 | 8 | 8 see notes 5 and 15 | 3 | 3 | 0 | |
| B-L-1 | N/A | | | | | |
| B-L-2 | 1 | 1 | 0 | 0 | 0 | deferral permissible: examine only if pump disassembled |
| B-M-1 | N/A | | | | | |
| B-M-2 | 6 | 3 see note 26 | deferral permissible: examine only if valve disassembled | 0 | 0 | deferral permissible: examine only if valve disassembled |
| B-N-1 | Three - 1 each period | 1-first period 1-second period 1-third period | 1 third period | 1 third period | 1 third period | |
| B-N-2 | 6 | 6 | 6 | 6 | 6 | deferral permissible |
| B-N-3 | 1 | 1 | 1 | 1 | 1 | deferral permissible |

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL
(continued)

| CATEGORY | TOTAL NUMBER REQUIRED FOR INTERVAL | TOTAL NUMBER CREDITED FOR THE INTERVAL | TOTAL NUMBER REQUIRED FOR THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR THE THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR U2C13 OF THE THIRD PERIOD | EXCLUSIONS EXCEPTIONS OR DEFERRALS |
|---|--|--|---|---|---|---|
| B-O | 2 | 2 | 2 | 2 | 2 | deferral permissible |
| B-P, see Appendix C | | | | | | |
| B-Q, see Appendix A | | | | | | |
| C-A | 17 | 17 | 7 | 7 | 2 | |
| C-B | 12 see note 13 | 12 see note 13 | 3 | 3 | 0 | |
| C-C see C-C of Code Case N-509 | | | | | | |
| C-C of Code Case N-509 | 29 | 29 | 12 | 12 | 7 | |
| C-D | 1 | 1 | 0 | 0 | 0 | |
| C-F-1 | 148 (46) see notes 4, 9, 11 and 12 | 46 see notes 6 and 11 | N/A see note 11 | N/A see note 11 | N/A see note 11 | |
| C-F-2 | 29 (9) see notes 11 and 12 | 9 see note 11 | N/A see note 11 | N/A see note 11 | N/A see note 11 | |

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL
(continued)

| CATEGORY | TOTAL NUMBER REQUIRED FOR INTERVAL | TOTAL NUMBER CREDITED FOR THE INTERVAL | TOTAL NUMBER REQUIRED FOR THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR THE THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR U2C13 OF THE THIRD PERIOD | EXCLUSIONS EXCEPTIONS OR DEFERRALS |
|---|--|--|---|---|---|---|
| C-G | N/A | | | | | |
| C-H, see Appendix C | | | | | | |
| F-A see F-A of Code Case N-491 | | | | | | |
| F-A of Code Case N-491 | 201 * *Class 1 and 2 only see notes 2 and 16 | 201 see notes 3 and 14 | 76 | 76 | 18 | |
| R-A R1.11(UT) | 69 Elements (46 required for the 2 nd and 3 rd periods) see notes 11 and 17 | 46 see notes 18 and 25 | 23 | 23 | 9 | |
| R-A R1.11(VT) | 42 Segments see notes 11 and 21 | All each refueling outage | See Appendix C | See Appendix C | See Appendix C | |
| R-A R1.12 | 25 Segments see notes 11 and 22 | All each refueling outage | See Appendix C | See Appendix C | See Appendix C | |
| R-A R1.13 | N/A | | | | | |
| R-A R1.14 | N/A | | | | | |

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL
(continued)

| CATEGORY | TOTAL NUMBER REQUIRED FOR INTERVAL | TOTAL NUMBER CREDITED FOR THE INTERVAL | TOTAL NUMBER REQUIRED FOR THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR THE THIRD PERIOD (U2C12 and U2C13) | TOTAL NUMBER CREDITED FOR U2C13 OF THE THIRD PERIOD | EXCLUSIONS EXCEPTIONS OR DEFERRALS |
|--------------|--|--|---|---|---|---|
| R-A R1.15 | N/A | | | | | |
| R-A R1.16 | 4 Elements (2 total required for the 2 nd and 3 rd periods) see notes 19 and 23 | 2 (0-second period; 2-third period) see note 23 | 2 | 2 | 1 | |
| R-A R1.17 | N/A | | | | | |
| R-A R1.18 | 8 Segments see notes 11 and 20 | As scheduled in FAC program | As scheduled in FAC program | As scheduled in FAC program | As scheduled in FAC program (2 segments examined) | |

Notes:

1. Weld number W08-09A examination category B-A, item number B1.40 was credited in the first period because the period was extended per IWB-2412(b) as identified in O-SI-DXI-000-114.2.
2. Modification (deletions of supports) in examination category F-A decreased total supports from 203 to 198 in U2C9.
3. Removed from credit seven supports in examination category F-A (2-RCH-027, 2-RCH-833, 2-SIH-005, 2-SIH-114, 2-SIH-115, 2-SIH-228 and 2-SIH-354) reported in U2C8.
4. Use of code paragraph IWC-1221(e) reduced the total from 151 to 147 for examination category C-F-1 reported in U2C8.
5. Removed from credit one integral attachment reported in the U2C7.
6. Removed from credit one weld (SIS-254) reported in U2C8.

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EXAMINATION CREDIT SUMMARY
ASME SECTION XI EXAMINATIONS FOR THE SECOND
OUTAGE (U2C13) OF THE THIRD PERIOD OF THE SECOND TEN-YEAR
INSPECTION INTERVAL
(continued)

7. Piping modification in the second period added 11 examination category B-J welds and increased the total number required for the interval from 238 to 249 in the U2C10 report.
8. Due to piping modifications in the second period and the increase in the total number of examinations required in examination category B-J for the interval, these welds were added over the three periods - (4) first, (2) second, (5) third. The 4 welds in the first period are counted for credit in the interval in the U2C10 report.
9. Due to piping modification in the second period the total number of examinations required for examination category C-F-1 increased by one weld for the interval from 147 to 148 in the U2C10 report.
10. Increased total number of examination category B-G-1 examinations for RCP from 24 to 25 in the U2C11 report to include the examination of the RCP flange surface when the connection was disassembled.
11. The RI-ISI program was approved for the second and third periods for examination categories B-F, B-J, C-F-1, and C-F-2. The RI-ISI examinations are performed under examination category R-A Item Numbers R1.11, R1.12 and R1.18.
12. Only the first period examinations are required for code credit for this interval due to the approval of the RI-ISI program. The number in () is the number required for the first period.
13. Examination category C-B, item number C2.21, residual heat removal heat exchanger, nozzle-to-vessel weld examination, will be used for the nozzle inside radius section examination, per request for relief 2-ISI-15. Added two welds to the total number credited for the interval. One weld was added in U2C11 report and one in U2C12 report.
14. Removed from credit one support (2-RCH-88) reported in U2C9 in the U2C11 report due to correction in support function.
15. Removed from credit one piping integrally welded attachment (2-CVCH-006-1A) reported in U2C9 report due to credit being taken for the PZR lugs in U2C11.
16. Increased total number of examination category F-A required for the interval from 198 to 201 in the U2C11 report.

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ASME SECTION XI EXAMINATIONS FOR THE SECOND
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INSPECTION INTERVAL
(continued)

17. Examination category R-A, item number R1.11 examinations for the second period was 69 and remained 69 after the periodic update in the U2C12 report.
18. Examination category R-A, item number R1.11 the number of welds credited in the second period was 23 welds.
19. Examination category R-A, item number R1.16, total number requiring examination for the interval in the second period was 0, but was revised by the periodic update to 4 in the U2C12 report.
20. Examination category R-A, item number R1.18 examinations for the second period was 16 segments, but was revised by the periodic update to 8 segments in U2C12 report.
21. Examination category R-A, item number R1.11 (VT-2) examinations for the second period was 64 segments, but was revised by the periodic update to 42 segments in U2C12 report.
22. Examination category R-A, item number R1.12 examinations for the second period was 38 segments, but was revised by the periodic update to 25 segments in U2C12 report.
23. Due to changes in the RI-ISI program for the periodic update the examination category R-A, item number R1.16 examination required for credit in the second interval is 2.
24. Examination category B-E examinations were moved to appendix C in the U2C13 report.
25. Examination category R-A, item number R1.11, the number of welds credited in the third period was 23.
26. Only 3 groups had a valve disassembled in the second interval.

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OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY

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OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

**EXAMINATION CODE CATEGORY
AND ITEM NUMBER SUMMARY
ASME SECTION XI CREDIT UNIT 2 CYCLE 13
CLASS 1 COMPONENTS**

| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
|---|------------------------------|------------------|------------------------|--------|
| Reactor Vessel Shell Welds- Circumferential | UT | B-A | B1.11 | 4 |
| Reactor Vessel Head Welds (Closure and Lower) | UT | B-A | B1.21 | 2 |
| Reactor Vessel Head welds (Meridional) | UT | B-A | B1.22 | 6 |
| Reactor Vessel Shell to Flange Weld | UT | B-A | B1.30 | 1 |
| Reactor Vessel Inside Radius Section | VT-1 Code Case N-648-1 | B-D | B3.100 | 8 |
| Steam Generator Primary Side Inside Nozzle Radius Section | UT | B-D | B3.140 | 4 |
| Reactor Vessel Nozzle to Vessel Welds | UT | B-D | B3.90 | 8 |
| Reactor Vessel Closure Head Nuts > 2" in Diameter | VT-1 Code Case N-627 | B-G-1 | B6.10 | 18 |
| Reactor Vessel Closure Studs > 2" Diameter | MT/UT | B-G-1 | B6.30 | 18 |
| Reactor Vessel Threads in Flange | UT | B-G-1 | B6.40 | 18 |
| Reactor Vessel Closure Washers | VT-1 | B-G-1 | B6.50 | 18 |
| Steam Generator Bolting <= 2" in Diameter | VT-1 | B-G-2 | B7.30 | 16 |
| RHRS Valve Bolting <= 2" in Diameter | VT-1 | B-G-2 | B7.70 | 2 |
| SIS Valve Bolting <= 2" in Diameter | VT-1 | B-G-2 | B7.70 | 1 |
| Reactor Vessel Interior Accessible Areas | VT-3 | B-N-1 | B13.10 | 1 |
| Reactor Vessel Interior Attachments Beyond Beltline Region | VT-3 | B-N-2 | B13.60 | 6 |
| Reactor Vessel Core Support Structure Accessible Surfaces | VT-3 | B-N-3 | B13.70 | 1 |
| Reactor Vessel Welds in CRD Housing | UT | B-O | B14.10 | 2 |

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| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

| EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY ASME SECTION XI CREDIT UNIT 2 CYCLE 13 CLASS 1 COMPONENTS (continued) | | | | |
|---|----------------|------------------|------------------------|--------|
| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
| Reactor Vessel Class 1 Equipment Support | VT-3 | F-A | F1.40 | 1 |

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

**EXAMINATION CODE CATEGORY
AND ITEM NUMBER SUMMARY
ASME SECTION XI CREDIT UNIT 2 CYCLE 13
CLASS 2 COMPONENTS**

| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
|--|----------------|------------------|------------------------|--------|
| CVCS Seal Water Injection Filter | UT | C-A | C1.10 | 1 |
| CVCS Seal Water Injection Filter | UT | C-A | C1.20 | 1 |
| CVCS Seal Water Injection Filter | PT | C-C | C3.10 | 1 |
| Class 2 Equipment Support Integrally Welded Attachment | | | | |
| CSS Class 2 Piping Support Integrally Welded Attachments | PT | C-C | C3.20 | 1 |
| CVCS Class 2 Piping Support Integrally Welded Attachments | PT | C-C | C3.20 | 3 |
| RHRS Class 2 Piping Support Integrally Welded Attachments | PT | C-C | C3.20 | 2 |
| CSS Class 2 Piping Support , Function A | VT-3 | F-A | F1.20A | 2 |
| CVCS Class 2 Piping Support , Function A | VT-3 | F-A | F1.20A | 4 |
| RHRS Class 2 Piping Support , Function A | VT-3 | F-A | F1.20A | 3 |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

**EXAMINATION CODE CATEGORY
AND ITEM NUMBER SUMMARY
ASME SECTION XI CREDIT UNIT 2 CYCLE 13
CLASS 2 COMPONENTS
(continued)**

| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
|---|----------------|------------------|------------------------|--------|
| CSS Class 2 Piping Support , Function B | VT-3 | F-A | F1.20B | 2 |
| CVCS Class 2 Piping Support , Function B | VT-3 | F-A | F1.20B | 3 |
| CVCS Class 2 Piping Support , Function C | VT-3 | F-A | F1.20C | 1 |
| RHRS Class 2 Piping Support , Function C | VT-3 | F-A | F1.20C | 1 |
| CVCS Seal Water Injection Filter Class 2 Equipment Support | VT-3 | F-A | F1.40 | 1 |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

| EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY ASME SECTION XI CREDIT UNIT 2 CYCLE 13 CLASS 1 AND 2 RI-ISI COMPONENTS | | | | |
|---|----------------|------------------|------------------------|--------|
| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
| RV Piping Welds | UT | R-A | R1.11 | 8 |
| SIS Piping Welds | UT | R-A | R1.11 | 1 |
| SIS Piping Welds | UT | R-A | R1.16 | 1 |
| FWS FAC Piping Areas | UT-THK | R-A | R1.18 | 2 |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

| EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY ASME SECTION XI CREDIT UNIT 2 CYCLE 13 STEAM GENERATORS | | | | |
|--|----------------|------------------|------------------------|--------|
| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
| TUBING * | ET | B-Q | B16.20 | * |

* See Appendix A for Summary of Steam Generator Eddy Current Examinations.

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

**EXAMINATION CODE CATEGORY
AND ITEM NUMBER SUMMARY
ASME SECTION XI CREDIT UNIT 2 CYCLE 13
PRESSURE TESTS**

| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | Sample |
|-----------------|----------------|------------------|------------------------|--------|
| PRESSURE TEST * | VT-2 | * | * | * |

* See Appendix C for Summary of Pressure Tests.

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

**EXAMINATION CODE CATEGORY
AND ITEM NUMBER SUMMARY
ASME SECTION XI CREDIT UNIT 2 CYCLE 13
SUCCESSIVE EXAMINATIONS COMPONENTS**

| COMPONENT | EXAM METHOD | CODE CATEGORY | CODE ITEM NUMBER | TOTAL NUMBER EXAMINED |
|-----------------------------------|----------------|------------------|------------------------|-----------------------------|
| RCS Class 1 Supports - Function A | VT-3 | F-A | F1.10A | 1 |

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

SECTION 2

EXAMINATION PLAN (POST OUTAGE INSERVICE REPORT AND PRESERVICE REPORT)

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

This Section contains a standardized Post Outage Report to satisfy the reporting requirements of IWA-6000 of the ASME Section XI Code. This report contains the inservice and preservice inspection data for Class 1 and 2 components defined in 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2".

For Unit 2 Cycle 13 steam generator tubing eddy current examination results and number of tubes examined see **Appendix A**.

For Unit 2 Cycle 13 system pressure testing results see **Appendix C**.

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

POST OUTAGE INSERVICE REPORT

OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|--|
| RV | W02-03 | ISI-0298-C-02 | B-A | B1.11 | UT | VENDOR | | 20050511 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; 77% EXAMINATION COVERAGE ACHIEVED |
| RV | W03-04 | ISI-0298-C-02 | B-A | B1.11 | UT | VENDOR | | 20050511 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W04-05 | ISI-0298-C-02 | B-A | B1.11 | UT | VENDOR | | 20050511 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W05-06 | ISI-0298-C-02 | B-A | B1.11 | UT | VENDOR | | 20050512 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W01-02 | ISI-0298-C-02 | B-A | B1.21 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; 54% EXAMINATION COVERAGE ACHIEVED |
| RV | W09-10 | ISI-0301-C-01 | B-A | B1.21 | UT | N-UT-78 | SQ-46 | 20050509 | R-6757 | Passed | | |
| RV | W2A | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W2B | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W2C | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W2D | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050513 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | W2E | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; 90% EXAMINATION COVERAGE ACHIEVED |
| RV | W2F | ISI-0298-C-02 | B-A | B1.22 | UT | VENDOR | | 20050510 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; 80% EXAMINATION COVERAGE ACHIEVED |
| RV | W06-07 | ISI-0298-C-02 | B-A | B1.30 | UT | VENDOR | | 20050513 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N11-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N12-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N13-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N14-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N15-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N16-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N17-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| RV | N18-IR | ISI-0298-C-02 | B-D | B3.100 | VT-1 | N-VT-8 | | 20050506 | R-6761 | Passed | | ENHANCED VT-1 EXAMINATION PER CODE CASE N-648-1 |
| SG | SG-3-C-IR | ISI-0401-C-01 | B-D | B3.140 | UT | N-UT-55 | SQ-59 | 20050430 | R-6702 | Passed | | |
| SG | SG-3-H-IR | ISI-0401-C-01 | B-D | B3.140 | UT | N-UT-55 | SQ-59 | 20050430 | R-6703 | Passed | | |
| SG | SG-4-C-IR | ISI-0401-C-01 | B-D | B3.140 | UT | N-UT-55 | SQ-59 | 20050430 | R-6704 | Passed | | |
| SG | SG-4-H-IR | ISI-0401-C-01 | B-D | B3.140 | UT | N-UT-55 | SQ-59 | 20050430 | R-6705 | Passed | | |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|--|
| RV | N11 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050513 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N12 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050514 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N13 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050514 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N14 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050514 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N15 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050513 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | N16 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050513 | R-6761 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | N17 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050513 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | N18 | ISI-0298-C-02 | B-D | B3.90 | UT | VENDOR | | 20050513 | R-6761 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-37 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-38 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-39 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050503 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-40 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050503 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-41 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050503 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-42 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050503 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-43 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-44 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050503 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-45 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-46 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-47 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-48 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-49 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-50 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-51 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050504 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-52 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVNUT-53 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVNUT-54 | ISI-0304-C-01 | B-G-1 | B6.10 | VT-1 | N-VT-1 | | 20050505 | R-6724 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVSTUD-37 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050505 | R-6726 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVSTUD-37 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050505 | R-6727 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |
| RV | RVSTUD-38 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050505 | R-6726 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0; |
| RV | RVSTUD-38 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050505 | R-6727 | Passed | | 72% EXAMINATION COVERAGE ACHIEVED |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|---------------------------|
| RV | RVSTUD-39 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050503 | R-6726 | Passed | | |
| RV | RVSTUD-39 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | |
| RV | RVSTUD-40 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050503 | R-6726 | Passed | | STUD 59 IN STUD HOLE 40. |
| RV | RVSTUD-40 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | STUD 59 IN STUD HOLE 40. |
| RV | RVSTUD-41 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050503 | R-6726 | Passed | | |
| RV | RVSTUD-41 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | |
| RV | RVSTUD-42 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050503 | R-6726 | Passed | | |
| RV | RVSTUD-42 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | |
| RV | RVSTUD-43 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050503 | R-6726 | Passed | | |
| RV | RVSTUD-43 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | |
| RV | RVSTUD-44 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-44 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050503 | R-6727 | Passed | | |
| RV | RVSTUD-45 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-45 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-46 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-46 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-47 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-47 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-48 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-48 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-49 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-49 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-50 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-50 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-51 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050504 | R-6726 | Passed | | |
| RV | RVSTUD-51 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050504 | R-6727 | Passed | | |
| RV | RVSTUD-52 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050505 | R-6726 | Passed | | |
| RV | RVSTUD-52 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050505 | R-6727 | Passed | | |
| RV | RVSTUD-53 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050505 | R-6726 | Passed | | |
| RV | RVSTUD-53 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050505 | R-6727 | Passed | | |
| RV | RVSTUD-54 | ISI-0304-C-01 | B-G-1 | B6.30 | MT | N-MT-6 | | 20050505 | R-6726 | Passed | | STUD 55A IN STUD HOLE 54 |
| RV | RVSTUD-54 | ISI-0304-C-01 | B-G-1 | B6.30 | UT | N-UT-67 | SQ-102 | 20050505 | R-6727 | Passed | | STUD 55A IN STUD HOLE 54. |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|---------------------------|
| RV | RVTHREAD-37 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-38 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-39 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-40 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-41 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-42 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-43 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-44 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-45 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-46 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-47 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-48 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-49 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-50 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-51 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-52 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-53 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVTHREAD-54 | ISI-0304-C-01 | B-G-1 | B6.40 | UT | N-UT-37 | SQ-52 | 20050429 | R-6706 | Passed | | |
| RV | RVWASHER-37 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050505 | R-6725 | Passed | | |
| RV | RVWASHER-38 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050505 | R-6725 | Passed | | |
| RV | RVWASHER-39 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | |
| RV | RVWASHER-40 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | |
| RV | RVWASHER-41 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | WASHER 59 IN STUD HOLE 40 |
| RV | RVWASHER-42 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | |
| RV | RVWASHER-43 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | |
| RV | RVWASHER-44 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050503 | R-6725 | Passed | | |
| RV | RVWASHER-45 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-46 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-47 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-48 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-49 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-50 | ISI-0304-C-01 | B-G-1 | B6.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|----------------------|---------------------------------|---------------------------|
| RV | RVWASHER-51 | ISI-0304-C-01 | B-G-1 | 86.50 | VT-1 | N-VT-1 | | 20050504 | R-6725 | Passed | | |
| RV | RVWASHER-52 | ISI-0304-C-01 | B-G-1 | 86.50 | VT-1 | N-VT-1 | | 20050505 | R-6725 | Passed | | |
| RV | RVWASHER-53 | ISI-0304-C-01 | B-G-1 | 86.50 | VT-1 | N-VT-1 | | 20050505 | R-6725 | Passed | | |
| RV | RVWASHER-54 | ISI-0304-C-01 | B-G-1 | 86.50 | VT-1 | N-VT-1 | | 20050505 | R-6725 | Passed | | WASHER 55 IN STUD HOLE 54 |
| SG | MWCB-2-1-01-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-02-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-03-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-04-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-05-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-06-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-07-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-08-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-09-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-10-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-11-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-12-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-13-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-14-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-15-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| SG | MWCB-2-1-16-C | ISI-0401-C-01 | B-G-2 | 87.30 | VT-1 | N-VT-1 | | 20050510 | R-6748 | Passed | | |
| RHRS | 63-641-BC | ISI-0003-C-05 | B-G-2 | 87.70 | VT-1 | N-VT-1 | | 20050428 | R-6678 | Passed | | |
| RHRS | FCV-74-2-BC | ISI-0003-C-07 | B-G-2 | 87.70 | VT-1 | N-VT-1 | | 20050508 | R-6744 | Passed | | |
| SIS | 63-632-BC | ISI-0002-C-06 | B-G-2 | 87.70 | VT-1 | N-VT-1 | | 20050503 | R-6713 | Passed | | |
| RV | RVINT | ISI-0298-C-03 | B-N-1 | 813.10 | VT-3 | N-VT-8 | | 20050506 | R-6747 | Engineering 2-SQ-379 | SEE REPORT R-6761 FOR REFERENCE | |
| RV | RVIA-1 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVIA-2 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVIA-3 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVIA-4 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVIA-5 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVIA-6 | ISI-0298-C-03 | B-N-2 | 813.60 | VT-3 | N-VT-8 | | 20050506 | R-6761 | Passed | | |
| RV | RVCSUPST | ISI-0298-C-03 | B-N-3 | 813.70 | VT-3 | N-VT-8 | | 20050506 | R-6746 | Engineering 2-SQ-380 | SEE REPORT R-6761 FOR REFERENCE | |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|-----------------|------------------|---------------|---------------|-------------|----------------|---------------|----------------------|-----------|-------------|----------------------|------------|---|
| RV | CRDW-64 | ISI-0097-C-01 | B-O | B14.10 | UT | N-UT-18 | SQ-82 SQ-83 | 20050509 | R-6755 | Passed | | |
| RV | CRDW-65 | ISI-0097-C-01 | B-O | B14.10 | UT | N-UT-18 | SQ-82 SQ-83 | 20050509 | R-6756 | Passed | | |
| CVCS | SWIFW-1-A | ISI-0457-C-01 | C-A | C1.10 | UT | N-UT-18 | SQ-38 | 20050514 | R-6760 | Passed | | |
| CVCS | SWIFW-2-A | ISI-0457-C-01 | C-A | C1.20 | UT | N-UT-18 | SQ-38 | 20050509 | R-6749 | Passed | | 65% EXAMINATION COVERAGE ACHIEVED |
| CVCS | SWIFH-A-1A | ISI-0457-C-01 | C-C | C3.10 | PT | N-PT-9 | | 20050509 | R-6741 | Failed | 2-SQ-378 | SEE R-6758 FOR RE-EXAM. |
| CSS | 2-CSH-443-1A | MSG-0011-C-01 | C-C | C3.20 | PT | N-PT-9 | | 20050412 | R-6658 | Passed | | |
| CVCS | 2-CVCH-407-1A | ISI-0449-C-24 | C-C | C3.20 | PT | N-PT-9 | | 20050408 | R-6653 | Passed | | |
| CVCS | 2-CVCH-477-1A | ISI-0449-C-37 | C-C | C3.20 | PT | N-PT-9 | | 20050414 | R-6661 | Passed | | |
| CVCS | 2-CVCH-551-1A | ISI-0449-C-33 | C-C | C3.20 | PT | N-PT-9 | | 20050414 | R-6660 | Passed | | |
| 34 of 141 | RHRS | 2-RHRH-405-1A | MSG-0010-C-03 | C-C | C3.20 | PT | N-PT-9 | 20050412 | R-6657 | Passed | | |
| | RHRS | 2-RHRH-412-1A | MSG-0010-C-03 | C-C | C3.20 | PT | N-PT-9 | 20050412 | R-6656 | Passed | | |
| | CSS | 2-CSH-426 | ISI-0449-C-40 | F-A | F1.20A | VT-3 | N-VT-1 | 20050418 | R-6666 | Passed | | |
| | CSS | 2-CSH-430 | ISI-0449-C-40 | F-A | F1.20A | VT-3 | N-VT-1 | 20050418 | R-6667 | Passed | | |
| | CVCS | 2-CVCH-403 | ISI-0449-C-24 | F-A | F1.20A | VT-3 | N-VT-1 | 20050408 | R-6645 | Passed | | |
| | CVCS | 2-CVCH-407 | ISI-0449-C-24 | F-A | F1.20A | VT-3 | N-VT-1 | 20050401 | R-6623 | Passed | | |
| | CVCS | 2-CVCH-503 | ISI-0449-C-16 | F-A | F1.20A | VT-3 | N-VT-1 | 20050401 | R-6620 | Passed | | |
| | CVCS | 2-CVCH-580 | ISI-0449-C-29 | F-A | F1.20A | VT-3 | N-VT-1 | 20050401 | R-6622 | Passed | | |
| | RHRS | 2-RHRH-405 | MSG-0010-C-03 | F-A | F1.20A | VT-3 | N-VT-1 | 20050412 | R-6654 | Passed | | |
| | RHRS | 2-RHRH-422 | MSG-0010-C-04 | F-A | F1.20A | VT-3 | N-VT-1 | 20050418 | R-6668 | Passed | | |
| | RHRS | 2-RHRH-487 | ISI-0449-C-41 | F-A | F1.20A | VT-3 | N-VT-1 | 20050401 | R-6621 | Passed | | |
| | CSS | 2-CSH-424 | ISI-0449-C-40 | F-A | F1.20B | VT-3 | N-VT-1 | 20050411 | R-6652 | Passed | | |
| | CSS | 2-CSH-443 | MSG-0011-C-01 | F-A | F1.20B | VT-3 | N-VT-1 | 20050412 | R-6655 | Passed | | |
| | CVCS | 2-CVCH-464 | ISI-0449-C-37 | F-A | F1.20B | VT-3 | N-VT-1 | 20050411 | R-6649 | Passed | | |
| | CVCS | 2-CVCH-477 | ISI-0449-C-37 | F-A | F1.20B | VT-3 | N-VT-1 | 20050414 | R-6662 | Passed | | |
| | CVCS | 2-CVCH-552 | ISI-0449-C-33 | F-A | F1.20B | VT-3 | N-VT-1 | 20050414 | R-6663 | Passed | | |
| | CVCS | 2-CVCH-585 | ISI-0449-C-29 | F-A | F1.20C | VT-3 | N-VT-1 | 20050401 | R-6618 | Engineering 2-SQ-374 | | RANGE: 1 18/64" - 1 49/64" OR 172# - 190# |
| | RHRS | 2-RHRH-481 | ISI-0449-C-41 | F-A | F1.20C | VT-3 | N-VT-1 | 20050414 | R-6659 | Engineering 2-SQ-375 | | RANGE: 44/64" - 59/64" OR 407# - 449# |

OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: 89E-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|---|
| RV | RVH-1 | ISI-0298-C-04 | F-A | F1.40E4 | VT-3 | N-VT-1 | | 20050428 | R-6675 | Engineering | 2-SQ-376 | REFER TO WO#98-001873-001, EXAMINE FOR BORIC ACID CORROSION PREPARE SPP-9.7-3 FORM IF NEEDED; LIMITATION - ACCESSIBLE AREAS ONLY. (ITEM NO. WAS CHANGED FROM F1.40E1 TO F1.40E4 ON 7/11/05. CHANGE REQ'D IN ORDER TO AGREE WITH O-SI-DXI-000-114.2) |
| CVCS | SWIFH-A | ISI-0457-C-01 | F-A | F1.40E8 | VT-3 | N-VT-1 | | 20050509 | R-6743 | Passed | | |
| RV | RC-01-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050508 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-08-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050508 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-09-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050508 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-16-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050507 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-17-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050507 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-24-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050508 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-25-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050508 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| RV | RC-32-SE | ISI-0298-C-03 | R-A | R1.11 | UT | VENDOR | | 20050507 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 AND ASME SECTION XI INFORMATION REQUEST L29 050322 800 |
| SIS | SIF-170 | ISI-0002-C-06 | R-A | R1.11 | UT | N-UT-64 | SQ-117 | 20050429 | R-6693 | Passed | | ALT-SS; 50% EXAMINATION COVERAGE ACHIEVED |
| SIS | SIF-170 | ISI-0002-C-06 | R-A | R1.16 | UT | N-UT-64 | SQ-117 | 20050429 | R-6694 | Passed | | ALT-SS; 50% EXAMINATION COVERAGE ACHIEVED |
| FWS | FW-006 SEGMENT | FAC PROGRAM | R-A | R1.18 | UT-THK | N-UT-26 | N/A | 20050509 | R-6754 | Passed | | FILE# 03-21 |
| FWS | FW-012 SEGMENT | FAC PROGRAM | R-A | R1.18 | UT-THK | N-UT-26 | N/A | 20050508 | R-6753 | Passed | | FILE# 03-05 |

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|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

POST OUTAGE PRESERVICE REPORT

OWNER: TENNESSEE VALLEY AUTHORITY
 NUCLEAR POWER GROUP
 1101 MARKET STREET
 CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
 P.O. BOX 2000
 SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: P08-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|----------|
| RCP | RCP4MFSTUD-01 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-02 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-03 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-04 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-05 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-06 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-07 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-08 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-09 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-10 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-11 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-12 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-13 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-14 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-15 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-16 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-17 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-18 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-19 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-20 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-21 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-22 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-23 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFSTUD-24 | ISI-0307-C-01 | B-G-1 | B6.180 | UT | N-UT-67 | SQ-84 | 20050425 | R-6672 | Passed | | |
| RCP | RCP4MFNUT-01 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-02 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-03 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-04 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-05 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-06 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-07 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-08 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |

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OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: P08-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|----------|
| RCP | RCP4MFNUT-09 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-10 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-11 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-12 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-13 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-14 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-15 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-16 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-17 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-18 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-19 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-20 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-21 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-22 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-23 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP4MFNUT-24 | ISI-0307-C-01 | B-G-1 | B6.200 | VT-1 | N-VT-1 | | 20050430 | R-6676 | Passed | | |
| RCP | RCP2CSABLT-01 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-02 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-03 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-04 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-05 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-06 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-07 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP2CSABLT-08 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050430 | R-6677 | Passed | | |
| RCP | RCP4CSABLT-01 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-02 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-03 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-04 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-05 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-06 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-07 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |
| RCP | RCP4CSABLT-08 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6664 | Passed | | |

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OWNER: TENNESSEE VALLEY AUTHORITY
 NUCLEAR POWER GROUP
 1101 MARKET STREET
 CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
 P.O. BOX 2000
 SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: P08-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|------------------|---------------|----------|-------------|----------------|---------------|----------------------|-----------|-------------|--------------|------------|---------------------------------|
| RCP | RCP4SL1BLT-01 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-02 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-03 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-04 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-05 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-06 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-07 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-08 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-09 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-10 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-11 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCP | RCP4SL1BLT-12 | ISI-0307-C-01 | B-G-2 | B7.60 | VT-1 | N-VT-1 | | 20050416 | R-6665 | Passed | | |
| RCS | 68-564-BC | ISI-0013-C-03 | B-G-2 | B7.70 | VT-1 | N-VT-1 | | 20050506 | R-6723 | Passed | | |
| SIS | 63-563-BC | ISI-0002-C-04 | B-G-2 | B7.70 | VT-1 | N-VT-1 | | 20050503 | R-6712 | Passed | | |
| CVCS | SWIFHA-1A | ISI-0457-C-01 | C-C | C3.10 | PT | N-PT-9 | | 20050514 | R-6758 | Passed | | SEE REPORT R-6741 FOR REFERENCE |
| RX | RCL-CLR-1 | ISI-0321-C-01 | F-A | F1.10B | VT-3 | N-VT-1 | | 20050502 | R-6708 | Passed | | |
| RX | RCL-CLR-2 | ISI-0321-C-01 | F-A | F1.10B | VT-3 | N-VT-1 | | 20050502 | R-6709 | Passed | | |
| RX | RCL-CLR-3 | ISI-0321-C-01 | F-A | F1.10B | VT-3 | N-VT-1 | | 20050502 | R-6710 | Passed | | |
| RX | RCL-CLR-4 | ISI-0321-C-01 | F-A | F1.10B | VT-3 | N-VT-1 | | 20050502 | R-6711 | Passed | | |
| CVCS | CVCW-1236A | MSG-0008-C-05 | R-A | R1.13 | UT | N-UT-64 | SQ-20 | 20050419 | R-6674 | Passed | | |

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OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

SECTION 3

SUMMARY OF NOTIFICATION OF INDICATIONS

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SUMMARY OF NOTIFICATION OF INDICATIONS

The Unit 2 Cycle 13 Inservice Inspection of Class 1 and 2 components at Sequoyah Nuclear Plant included a total of six Notification of Indications (NOIs) identified during inservice examinations. The following is a listing of the NOIs and a brief summary of the corrective measures taken for each.

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|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SUMMARY:
NOTIFICATION OF INDICATIONS IDENTIFIED DURING
INSERVICE EXAMINATIONS ON CLASS 1 AND 2 COMPONENTS

| NOI NUMBER | COMPONENT IDENTIFIER | DISCREPANCY | WORK INSTRUCTION | ADDITIONAL EXAMINATIONS |
|--|-------------------------|--|---------------------|---|
| 2-SQ-374 | 2-CVCH-585 Class 2 | Loose nut (VT-3) | 05-773814-000 | No additional examinations required |
| DISPOSITION: This was accepted by evaluation per Code Case N-491-1 paragraph 3122.3. Work order not worked during U2C13. | | | | |
| 2-SQ-375 | 2-RHRH-481 Class 2 | Spring setting (VT-3) | 05-774177-000 | No additional examinations required |
| DISPOSITION: This was accepted by evaluation per Code Case N-491-1 paragraph 3122.3. Work order not worked during U2C13. | | | | |
| 2-SQ-376 | RVH-1 Class 1 | Loose nuts (VT-3) | 98-001873-001 | No additional examinations required |
| DISPOSITION: This was accepted by evaluation per Code Case N-491-1 paragraph 3122.3. | | | | |
| 2-SQ-378 | SWIFH-A-IA Class 2 | Indication in base material (PT) | 05-774813-000 | Yes |
| DISPOSITION: Repaired base material and preservice examination performed. | | | | |
| 2-SQ-379 | RVINT Class 1 | Indication on main flange seal surface | N/A | No additional examinations required |
| DISPOSITION: Acceptance by evaluation. | | | | |
| 2-SQ-380 | RVCSUPST Class 1 | Damage to cooling flow nozzle on upper core barrel top surface (VT-3) | N/A | No additional examinations required |
| DISPOSITION: Acceptance by evaluation. | | | | |

| | |
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| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SECTION 4
ADDITIONAL SAMPLES

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

ADDITIONAL SAMPLE SUMMARY

There was one examination requiring an additional sample for Unit 2 Cycle 13.

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

ADDITIONAL SAMPLE SUMMARY

| ADDITIONAL SAMPLE SUMMARY | | | | |
|--|--------|------------|--|----------------------------------|
| CODE REFERENCE | SYSTEM | COMPONENT | REPORT EXAM REQUIREMENT REFERENCE | NUMBER OF COMPONENTS EXAMINED |
| C-C C3.10 | CVCS | SWIFH-A-IA | A09-02 | 1 (SWIFH-B-IA) |
| DESCRIPTION: Notification of indication number 2-SQ-378. | | | | |

OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379 -

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: A09-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|---------------------|----------------|----------|----------------|-------------------|------------------|-------------------------|--------------|----------------|-----------------|---------------|--------------------------------------|
| CVCS | SWIFH-B-1A | ISI-0457-C-01 | C-C | C3.10 | PT | N-PT-9 | | 20050514 | R-6759 | Passed | | ADDITIONAL SAMPLE FOR NOI #2-SQ-378. |

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OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

SECTION 5

SUCCESSIVE EXAMINATIONS

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SUCCESSIVE EXAMINATIONS

| COMPONENT | CODE CATEGORY AND ITEM NUMBER | EXAM METHOD | PROGRAM 0-SI-DXI-000-114.2 REFERENCE SECTION | RESULTS |
|---|---|-------------|---|------------|
| 2-RCH-034 | F-A/F1.10A | VT-3 | 7.4.2.D | Acceptable |
| Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b) | | | | |

OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: S02-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|---------------------|----------------|----------|----------------|-------------------|------------------|-------------------------|--------------|----------------|-----------------|---------------|----------|
| RCS | 2-RCH-034 | MSG-0013-C-03 | F-A | F1.10A | VT-3 | N-VT-1 | | 20050428 | R-6679 | Passed | | |

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| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SECTION 6
AUGMENTED EXAMINATIONS

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

Augmented Examinations

The reactor vessel nozzle cladding augmented examination per TVA Commitment was performed during Unit 2 Cycle 13 as part of the Inservice Inspection Program, O-SI-DXI-000-114.2, and requires submittal to the regulatory agency. The extent of examination was the length and depth sizing of all flaws identified during the previous examination in U2C6 using a NDE procedure qualified in accordance with ASME Section XI, Appendix VIII, Supplement 4. The re-examination results of the reactor vessel nozzle cladding flaws identified during the U2C6 examination remained essentially unchanged.

OWNER: TENNESSEE VALLEY AUTHORITY
NUCLEAR POWER GROUP
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37379

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT: D01-02 UNIT: 2 CYCLE: 13 COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

| System | Component Number | ISO Drawing | Category | Item Number | Exam Scheduled | NDE Procedure | Calibration Standard | Exam Date | Exam Report | Exam Results | NOI Number | Comments |
|--------|---------------------|----------------|----------|----------------|-------------------|------------------|-------------------------|--------------|----------------|-----------------|---------------|---------------------------------------|
| RV | N11CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050509 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N12CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050509 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N13CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050512 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N14CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050512 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N15CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050509 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N16CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050512 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |
| RV | N18CLAD | ISI-0298-C-02 | 3.0 | N/A | UT | VENDOR | | 20050509 | R-6761 | Passed | | REFER TO PROCEDURE 2-VI-ISI-068-001.0 |

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OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

SECTION 7

ANALYTICAL EVALUATIONS

There were two analytical evaluation assessments required for acceptance during Unit 2 Cycle 13 reporting period.

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

ANALYTICAL EVALUATIONS

The reactor pressure vessel interior surface (RVINT) Examination Category B-N-1, Item Number B13.10 visual examination identified three separate surface indications in the flange mating surface. The indications are located outside of the o-ring grooves. The indications were from some type of foreign debris. The indications had no noticeable raised metal surfaces. The stainless steel cladding would remain intact with the thickness of the cladding and there was no adverse effect on the o-ring seating surface. There was no visual indication of corrosion products that would implicate material degradation of the flange area. These indications are located in the area on the flange surface which would not impact the bearing area between the vessel and head mating surfaces. These conditions are acceptable as is. These areas will be reexamined over the next three periods per IWB-2420(b).

The reactor pressure vessel core support (RVCSUPST), Examination Category B-N-3, Item Number B13.70, visual examination identified five dented cooling flow nozzles. The dented portion of the cooling flow nozzles are in the upper flared region of the nozzle. The dents are normal in size and do not alter the flow characteristics on the nozzle. Based on the clearances, the dents will not cause the nozzles to interfere with the upper internal assembly. The dents are bent inward and will not interfere with the mating surfaces. Since the dents are in the thin pliable flared region on the nozzle, the amount of force applied on the nozzle to produce the dents was very low. The condition left as is does not restrict flow, does not create loose parts, does not create an interference conditions with interfacing upper internals and does not affect the structural integrity of the nozzle. Therefore the condition may be accepted as is. These indications will be re-examined over the next three period per IWB-2420(b).

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|--|---|
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| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

EVALUATION FOR THE REACTOR PRESSURE VESSEL INTERIOR
SURFACE (RVINT)

55 ac 141

SCOPE

Provide evaluation of Unit 2 Reactor Pressure Vessel (RPV) surface indications on the inboard side of the inner o-ring vessel flange mating surface as identified under NOI 2-SQ-379.

BACKGROUND

PER 82508 has been generated to address three separate surface indications in the Unit 2 RPV flange mating surface. These indications were identified during a U2C13 refueling outage ISI examination of the RPV internal surfaces. The indications identified at RPV Azimuth 250° were 1/2 inch x 5/8 inch located 3/8 inches away from the edge of the mating surface, and 1/2 inch x 1/4 inch near the edge of the mating surface. The indication identified at RPV Azimuth 260° was 9/16 inch x 11/16 inch and located near the edge of the vessel flange mating surface. In addition, there were no raised metal surfaces or corrosion products identified during this examination.

EVALUATION

A subsequent visual examination of the RPV head mating surface confirmed similar indications at corresponding locations.

Westinghouse has evaluated all three indications as referenced in PER 82508 and TVA ASME Section XI Notice of Indication (NOI) Number 2-SQ-379. These indications appear to have resulted from foreign debris that was crushed between the vessel and head flanges.

These indications are impressions from some type of foreign debris. There is no mechanism for significant future growth of these indications.

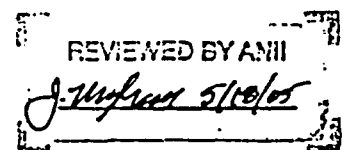
- Due to the absence of corrosion products, the indications visually appear to have not penetrated the 0.31 inch stainless steel clad on the flange surface.
- These indications are located in areas on the flange surface that do not impact the bearing area between the vessel and head mating surfaces.
- The indications are located outside of the o-ring grooves.

CONCLUSIONS

The indications have no noticeable raised metal surfaces and do not affect the bearing surface of the mating surfaces. There is no visual indication of corrosion products that would implicate material degradation of the flange area. Westinghouse has reviewed this condition and has provided an evaluation with the conclusion in Letter TVA-05-037, copy attached. Therefore, the condition may be ACCEPTED AS IS.

Prepared by: J. J. Shaw 5/13/05 WSP Reviewed by: Zonda Session 05/13/05

Approved by: John Thomas



R-6747



Westinghouse Electric Company
Nuclear Services
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355
USA

TVA-05-37
May 13, 2005

References: CWA N2005-001 Job 8
N10213

Mr. Heyward R. (Rick) Rogers
Site Engineering Manager
Tennessee Valley Authority
Sequoyah Nuclear Plant
P.O. Box 2000 - OPS 3C
Soddy Daisy, TN 37384

**TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT UNIT 2**
Review of Reactor Vessel Flange ASME Section XI Notice of Indication

Dear Mr. Rogers:

Attached for TVA review, comment and approval is Westinghouse document LTR-RCDA-05-433, "Evaluation of Visual Indications on the Sequoyah Unit 2 Reactor Vessel Flange Reported on TVA ASME Section XI Notice of Indication (NOI) No. 2-SQ-379," dated May 13, 2005. Preparation of this document was authorized by the referenced CWA in response to TVA letter N10213.

Please contact Stephan Abbott at (412) 374-6506, Dennis Gregg at (412) 374-3614 or me at (423) 752-2835 if you have questions.

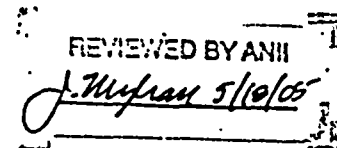
Very truly yours,

A handwritten signature in cursive script that reads 'Dennis R. Gregg'.

For Krish M. Rajan
Customer Projects Manager
TVA Nuclear Projects

cc: D. M. Lafever - w/att.
C. R. Davis

Original electronically approved in EDMS 2000



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Westinghouse Proprietary Class 2



To: Dennis Gregg
cc: Krish Rajan
Stephen Marlette
Jordan White

Date: May 13, 2005

From: Reactor Component Design and Analysis
Ext: 412-374-6506
Fax: 412-374-6647

Your ref:
Our ref: LTR-RCDA-05-433

Subject: Evaluation of Visual Indications on the Sequoyah Unit 2 Reactor Vessel Flange Reported on TVA ASME Section XI Notice of Indication (NOI) No. 2-SQ-379

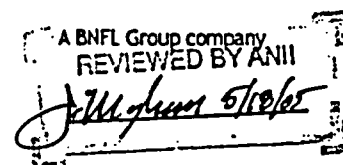
References:

1. TVA ASME Section XI Notice of Indication (NOI) No. 2-SQ-379, dated 5/12/05.
2. Rotterdam Dockyard Co. Drawing 30616-1037, Rev. L, "Vessel Flange."
3. Rotterdam Dockyard Co. Drawing 30616-1061, Sheet 1, Rev. L, "Closure Head Assembly."

TVA ASME Section XI Notice of Indication (NOI) No. 2-SQ-379 (Reference 1) identifies three (3) separate indications found on the Sequoyah Unit 2 reactor vessel flange mating surface by a visual inspection that was performed as part of the 10-year in-service inspection. The indications are in the clad surface with two indications inside the inner O-ring sealing area, near the inner edge of the mating surface at the 250° plant azimuth. The indications at 250° are approximately 1/2" x 5/8" and 1/2" x 1/4", respectively. The third indication is also inside the inner O-ring sealing area at the inner edge of the mating surface at the 260° plant azimuth and has reported dimensions of 9/16" x 11/16".

All three indications appear to have resulted from debris that was crushed between the vessel and head flanges during a previous reactor vessel bolt-up, leaving impressions in the stainless steel cladding. A subsequent confirmatory visual inspection of the head mating surface reportedly found similar indications at the corresponding azimuthal and radial locations. It is therefore concluded that the indications represent depressions in the clad surfaces of the vessel and head, and there should be no breach in the cladding due to the direct vertical compression (no tearing). In addition, the general compression of the vessel and head mating surfaces during reactor vessel bolt-up precludes raised metal at the indications, and no raised metal was reported.

Westinghouse Reactor Component Design and Analysis (RCDA) recommends that the indications in both the vessel and head mating surfaces be accepted as-is. The indications are determined to be depressions in the clad surface caused by impressions of crushed pieces of debris. Absence of any corrosion products in the indications demonstrates that the cladding remains intact. The effect of the depression indications is determined to be a small loss of bearing area between the vessel and head mating surfaces as the total area of the indications is less than 1.0 square inch (approx. 0.83 sq. in.). According to Rotterdam Drawings 30616-1037 and 30616-1061 (References 2 and 3) for the Sequoyah 2 reactor vessel, the thickness of the vessel mating surface cladding is 8 mm (.31 in.), and the thickness of the head cladding is



Westinghouse Proprietary Class 2

Page 2 of 2

Our ref: LTR-RCDA-05-433

May 13, 2005

6 mm (.24 in.) in the areas of concern. It is concluded that the stainless steel clad interface would remain intact with these thicknesses of cladding, and there is no adverse effect on the O-ring seating surface. No mechanism for significant future growth of the indications is foreseen if the areas are left as-is. Furthermore, blending of the indications would only serve to further increase the loss of mating surface bearing area.

If there are any questions regarding this evaluation, please call.

(Electronically Approved)¹

Stephan L. Abbott, Principal Engineer
Reactor Component Design & Analysis

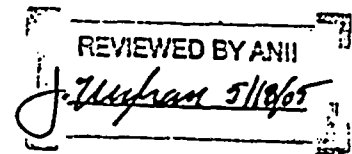
Reviewed by: (Electronically Approved)¹

Richard E. Tome, Consultant
Reactor Component Design & Analysis

Approved by: (Electronically Approved)¹

John Ghergurovich, Manager
Reactor Component Design & Analysis

¹ Official record is electronically approved in EDMS 2000.



| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

**EVALUATION FOR THE REACTOR PRESSURE VESSEL CORE SUPPORT
(RVCSUPST)**

TECHNICAL EVALUATION FOR ACCEPT AS IS
OF RPV COOLING NOZZLE DENTING

R-6746

PER 82515

05/13/05

SCOPE

Provide evaluation of Unit 2 dented RPV cooling nozzles as identified under NOI 2-SQ-380.

BACKGROUND

During the U2C13 ISI exam of the RPV internal surfaces, five head cooling flow nozzles were identified to have some denting of the top lip. The nozzles are located at AZ's 208, 300, 305, 345 and 350

EVALUATION

This condition has been addressed previously for two nozzles under PERSQPER920137 and Westinghouse Memo TVA-92-063 (B38 920420 803). The conditions have not changed for those nozzles identified under PERSQPER920137. The additional nozzles identified during this inspection are not dented more than those previously evaluated under PERSQPER920137. There are no other conditions identified that would compromise the function of the nozzles or change the final evaluations stated in TVA-92-063 and PERSQPER920137:

1. The dented portions of the flow nozzles are in the upper flare region. The dents are normal in size and do not alter the flow characteristics of the nozzle.
2. Based upon the clearances given on Westinghouse Drawing 6124E03, the dents will not cause the nozzles to interfere with the upper internals assembly. The dents are bent inward and will not interfere with mating surfaces.
3. Since the dents are in the thin, pliable flared region of the nozzle, the amount of force applied on the nozzle to produce the dents was very low.

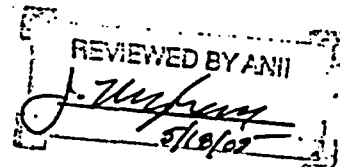
CONCLUSION

The condition left as is does not restrict flow, does not create loose parts, does not create an interference condition with interfacing upper internals and does not affect the structural integrity of the nozzle. Therefore, the condition may be ACCEPTED AS IS.

Prepared by: J. L. Brown 5/13/05

Reviewed by: Conda Lession 05/13/05

Approved by: John Brown



PAGE 6A

TFH
5/17/05

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SECTION 8

REQUEST FOR RELIEF

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

During Unit 2 Cycle 13 there were ten code class 1 and one code class 2 components that did not receive code required examination coverage due to design configuration, access limitations, etc. A request for relief was submitted to the regulatory authority in accordance with 10 CFR 50.55a prior to Unit 2 Cycle 13 refueling outage for the seal water injection filter weld, SWIFW-2-A, anticipating achieving a certain amount of examination coverage. Requests for relief will be submitted for the other components to the Regulatory authority in accordance with 10CFR 50.55a. The percentage of examination coverage was derived from methods established in the TVA NDE Procedures Manual. The following is a component summary.

| REQUEST FOR RELIEF SUMMARY ASME SECTION XI UNIT 2 CYCLE 13 | | | | | |
|---|------------|---------------|------------------|--------------------|------------------|
| COMPONENT | CODE CLASS | CODE CATEGORY | CODE ITEM NUMBER | EXAMINATION METHOD | PERCENT COVERAGE |
| W02-03 | 1 | B-A | B1.11 | UT | 77% |
| Examination report R-6761. Examination is limited due to the location of the reactor vessel core support lugs. | | | | | |
| W01-02 | 1 | B-A | B1.21 | UT | 54% |
| Examination report R-6761. Examination is limited due to the configuration of the instrumentation tubes which penetrate the lower head. | | | | | |
| W2E | 1 | B-A | B1.22 | UT | 90% |
| Examination report R-6761. Examination is limited due to the configuration of the instrumentation tubes which penetrate the lower head. | | | | | |
| W2F | 1 | B-A | B1.22 | UT | 80% |
| Examination report R-6761. Examination is limited due to the configuration of the instrumentation tubes which penetrate the lower head. | | | | | |

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

REQUEST FOR RELIEF SUMMARY
ASME SECTION XI UNIT 2 CYCLE 13
(continued)

| COMPONENT | CODE CLASS | CODE CATEGORY | CODE ITEM NUMBER | EXAMINATION METHOD | PERCENT COVERAGE |
|--|------------|---------------|------------------|--------------------|------------------|
| N-15 N-16 N-17 N-18 | 1 | B-D | B3.90 | UT | 72% |
| Examination report R-6761. Examination is limited due to the configuration of the nozzle integral extension and the location of the adjacent nozzles. | | | | | |
| SWIFW-2-A | 2 | C-A | C1.20 | UT | 65% |
| Examination report R-6749. Examination is limited due to design configuration of the head-to-shell weld and support steel attachments. Request for relief 2-ISI-26 was approved by NRC (TAC NOS MC3352 and MC3353) provided actual examination coverage was the same or greater than 65% examination coverage. | | | | | |
| SIF-170 | 1 | R-A | R1.11 R1.16 | UT | 50% |
| Examination report R-6693 and R-6694. Examination is limited to one direction coverage from the pipe side due to the pipe to valve design configuration. | | | | | |
| RVH-1 | 1 | F-A | F1.40 | VT-3 | Accessible area |
| Examination report R-6675. Examination is limited due to support configuration and design access to the reactor vessel support area. | | | | | |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

APPENDIX A

SUMMARY OF ASME SECTION XI STEAM GENERATOR TUBING EXAMINATIONS

The inspection plan work required for the second outage of the third period of the second interval for Code Category B-Q, item number B16.20 is on schedule. The following table is a tabulation of examinations, results of examinations and corrective measures taken.

PREPARED BY Emmett Coz

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

SUMMARY OF SEQUOYAH UNIT 2 CYCLE 13
SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS

| <u>EDDY CURRENT EXAM TYPE</u> | <u>SG 1</u> | <u>SG 2</u> | <u>SG 3</u> | <u>SG 4</u> | <u>Total</u> |
|---------------------------------------|-------------|-------------|-------------|-------------|--------------|
| Full Length Bobbin Coil | 2514 | 2472 | 2482 | 2497 | 9965 |
| Straight Leg Bobbin (H/L & C/L) | 1606 | 1516 | 1590 | 1560 | 6272 |
| Partial Bobbin U-Bend (Rows 5 thru 9) | 460 | 435 | 457 | 428 | 1780 |
| Low Row U-Bend Plus Point | 344 | 323 | 342 | 352 | 1361 |
| High Row U-Bend MHI | 367 | 523 | 358 | 520 | 1768 |
| Hot Leg Top of Tubesheet Plus Point | 3317 | 3230 | 3274 | 3277 | 13098 |
| Cold Leg Top of Tubesheet Plus Point | 678 | 678 | 678 | 678 | 2712 |
| U-Bend Ding Plus Point | 12 | 20 | 7 | 20 | 59 |
| Hot Leg Dent Plus Point | 242 | 175 | 179 | 57 | 653 |
| Cold Leg Dent Plus Point | 94 | 23 | 78 | 95 | 290 |
| Diagnostic/PID Plus Point | 53 | 79 | 133 | 139 | 404 |

| | | | | | |
|-----------------------|------|------|------|------|-------|
| Total Exams Completed | 9687 | 9474 | 9578 | 9623 | 38362 |
| Total Tubes Examined | 3317 | 3230 | 3274 | 3277 | 13098 |

| <u>INDICATIONS (Tubes)</u> | <u>SG 1</u> | <u>SG 2</u> | <u>SG 3</u> | <u>SG 4</u> | <u>Total</u> |
|-----------------------------|-------------|-------------|-------------|-------------|--------------|
| AVB WEAR | 6 | 24 | 10 | 8 | 48 |
| COLD LEG THINNING | 29 | 59 | 41 | 50 | 179 |
| ODSCC HTS AXIAL | 2 | 2 | 1 | 5 | 10 |
| ODSCC HTS CIRC | 0 | 1 | 1 | 2 | 4 |
| ODSCC TSP AXIAL | 244 | 261 | 336 | 671 | 1512 |
| ODSCC SLUDGE PILE AXIAL | 2 | 1 | 0 | 0 | 3 |
| PWSCC HTS AXIAL | 0 | 3 | 1 | 4 | 8 |
| PWSCC HTS CIRC | 1 | 1 | 0 | 0 | 2 |
| PWSCC TSP AXIAL | 0 | 0 | 0 | 0 | 0 |
| PWSCC U-BEND AXIAL | 0 | 0 | 0 | 0 | 0 |
| PWSCC U-BEND CIRC | 0 | 0 | 0 | 0 | 0 |
| OTHER/PREVENTIVE/VOLUMETRIC | 1 | 3 | 3 | 1 | 8 |

| | | | | | |
|-------|-----|-----|-----|-----|------|
| Total | 285 | 355 | 393 | 741 | 1774 |
|-------|-----|-----|-----|-----|------|

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

**SUMMARY OF SEQUOYAH UNIT 2 CYCLE 13
SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS**

| <u>PLUGGING STATUS</u> | <u>SG 1</u> | <u>SG 2</u> | <u>SG 3</u> | <u>SG 4</u> | <u>Total</u> |
|--------------------------------------|-------------|-------------|-------------|-------------|--------------|
| Previously Plugged Tubes | 71 | 158 | 114 | 111 | 454 |
| Damage Mechanism | | | | | |
| AVB WEAR | 0 | 1 | 0 | 0 | 1 |
| COLD LEG THINNING | 0 | 1 | 3 | 0 | 4 |
| ODSCC HTS AXIAL | 2 | 2 | 1 | 5 | 10 |
| ODSCC HTS CIRC | 0 | 1 | 1 | 2 | 4 |
| ODSCC TSP AXIAL | 1 | 0 | 3 | 0 | 4 |
| ODSCC SLUDGE PILE AXIAL | 1 | 1 | 0 | 0 | 2 |
| PREVENTATIVE | 1 | 3 | 3 | 1 | 8 |
| PWSCC HTS AXIAL | 0 | 3 | 1 | 4 | 8 |
| PWSCC HTS CIRC | 1 | 1 | 0 | 0 | 2 |
| PWSCC U-BEND AXIAL | 0 | 0 | 0 | 0 | 0 |
| PWSCC U-BEND CIRC | 0 | 0 | 0 | 0 | 0 |
| Plugged Cycle 13 | 6 | 13 | 12 | 12 | 43 |
| TOTAL TUBES PLUGGED | 77 | 171 | 126 | 123 | 497 |
| Classification of Inspection Results | SG1 | SG2 | SG3 | SG4 | |
| Full Length Bobbin Coil | C-2 | C-2 | C-2 | C-2 | |
| U-Bend Plus Point & MHI | C-1 | C-1 | C-1 | C-1 | |
| Top of Tubesheet Plus Point | C-2 | C-2 | C-2 | C-2 | |
| Dented TSP Plus Point | C-1 | C-1 | C-1 | C-1 | |
| Dented Freespan Plus Point | C-1 | C-1 | C-1 | C-1 | |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

Miscellaneous Nomenclature

Notation Description

| | |
|-------|--|
| AVB | Anti-Vibration Bar |
| CL | Cold Leg |
| CIRC | Circumferential |
| H01 | 1 st Hot Support Plate |
| H02 | 2 nd Hot Support Plate |
| H03 | 3 rd Hot Support Plate |
| H04 | 4 th Hot Support Plate |
| H05 | 5 th Hot Support Plate |
| H06 | 6 th Hot Support Plate |
| H07 | 7 th Hot Support Plate |
| HL | Hot Leg |
| HTS | Top of Tube Sheet - Hot Leg |
| ODSCC | Outer Diameter Stress Corrosion Cracking |
| PID | Positive Identification |
| PWSCC | Primary Water Stress Corrosion Cracking |
| TTS | Top of Tube Sheet |
| TSP | Tube Support Plate |

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

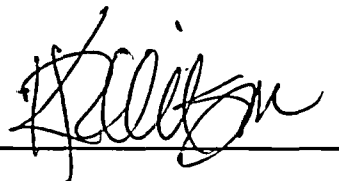
UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

APPENDIX B

FORM NIS-2 "OWNERS REPORT FOR REPAIRS OR REPLACEMENTS"

PREPARED BY

A handwritten signature in dark ink, appearing to read "H. Allison", is written over a horizontal line.

Owner: Tennessee Valley Authority
1101 Market Street
Chattanooga, Tennessee
37402-2801

Plant: Unit 2

**Owner Certificate of
Authorization:** Not Required

Plant: Sequoyah Nuclear Plant
P.O. Box 2000
Soddy-Daisy, Tennessee
37384-2000

Commercial Service Date:
June 1, 1982

**National Board Number for the
Unit:** Not Required

Sheet 1 of 33

Appendix B

An index of the work documents which required reporting under the inclusion of the NIS-2 Report is as follows:

Work Order

WO 01-001350-000
WO 02-010368-000
WO 02-013878-000
WO 02-013880-000
WO 03-017325-000
WO 04-770684-000
WO 04-770685-000
WO 04-770751-000
WO 04-770751-001
WO 04-770751-003
WO 04-771234-004
WO 04-771234-005
WO 04-771234-006
WO 04-771234-007
WO 04-771234-008
WO 04-771234-009

Work Order

WO 04-771234-010
WO 04-771234-016
WO 04-771234-017
WO 04-771234-019
WO 04-771982-000
WO 04-772781-001
WO 04-775526-000
WO 04-779552-007
WO 04-779799-001
WO 04-782190-000
WO 04-783447-000
WO 04-783513-000
WO 05-774252-000
WO 05-774336-000
WO 05-774753-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div> | Date <u>6/8/05</u> Sheet <u>2</u> of <u>33</u> Unit <u>2</u> <u>IN# 01-001350-000</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No., Job No., etc.</div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | |
| 4. Identification of system <u>RCS, CLASS 1</u> | |
| 5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-68-564 | CROSBY | N73370-01-0004 | NA | NA | 2005 | REPLACED | NO |
| | | N73370-01-0006 | NA | NA | 2005 | REPLACE INLET | NO |
| RCS PIPING | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED PRESSURIZER SAFETY VALVE. REPLACED PIPING INLET FLANGE NUT.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

VALVE- CONTRACT 91934 AND WESTINGHOUSE E-SPECS
678764 AND 676279.

PIPING- ANSI B31.7, 1969 EDITION, 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to
repair or replacement
the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature] MECH ENGR

Date

8 JUNE

2005

Owner 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 Tennessee and employed by HSB CT

of Hartford, Connecticut have inspected the components described in this
Owner's Report during the period 4/21/05 to 6/16/05 and state that to the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore,
neither the inspector nor his employer shall be liable in any manner for any personal injury or property
damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

T.N #2693

National Board, State, Province, and Endorsements

Date

June 16,

2005

W/O #01-001350-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>6/8/05</u> Sheet <u>3</u> of <u>33</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | Unit <u>2</u> <u>WO# D2-010368-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 4. Identification of system <u>RCS, CLASS 1</u> | |
| 5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-68-565 | CROSBY | 51688-00-0003 | NA | NA | 2005 | REPLACED | NO |
| | | N73370-01-0001 | NA | NA | 2005 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED PRESSURIZER SAFETY VALVE

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934
Applicable Manufacturers Data Reports to be Attached
AND WESTINGHOUSE E-SPECS 678764 AND
676279.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
 repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MEGH ENGR Date 8 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/29/05 to 6/16/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
 Inspector's Signature National Board, State, Province, and Endorsements
 Date June 16, 2005 W/O #02-010368-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div> | Date <u>3/15/05</u> Sheet <u>4</u> of <u>33</u> Unit <u>2</u> <u>WO# 02-013878-000</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No., Job No., etc.</div> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | |
| 4. Identification of system <u>RCS, CLASS 1</u> | |
| 5. (a) Applicable Construction Code <u>ASME SECT III</u> 19 <u>80</u> Edition, <u>W80</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-PCV-68-334 | TARGET ROCK | 7 | NA | NA | 1983 | REPLACED | YES |
| | | | | | | AND REPAIRED | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
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7. Description of Work REPLACED MAIN DISC. REINSTALLED BODY TO BONNET SEAL WELD FOLLOWING MAINTENANCE.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks VALVE TO BE INSTALLED UNDER
Applicable Manufacturer's Data Reports to be Attached
ANOTHER WORK ORDER.

CERTIFICATE OF COMPLIANCE REPAIR AND

We certify that the statements made in the report are correct and this REPLACEMENT conforms to
 repair or replacement
 the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 15 MARCH 2005
Owner 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 Tennessee and employed by HSB CT
 of Hartford, Connecticut have inspected the components described in this
 Owner's Report during the period 9/15/04 to 3/17/05 and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
 described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
 concerning the examinations and corrective measures described in this Owner's Report. Furthermore,
 neither the inspector nor his employer shall be liable in any manner for any personal injury or property
 damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements
 Date March 17, 2005 W/O # 02-013878-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|---|---|
| 1. Owner <u>Tennessee Valley Authority</u> Name 1101 Market Street, Chattanooga, TN 37402-2801 Address | Date <u>3/15/05</u> Sheet <u>5</u> of <u>33</u> Unit <u>2</u> <u>WIO# 02-01 3680-000</u> Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Address | Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Address | |
| 4. Identification of system <u>RCS, CLASS 1</u> | |
| 5. (a) Applicable Construction Code <u>ASME SECT III</u> 19 <u>80</u> Edition, <u>WEO</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-PCV-68-310A | TARGET ROCK | 9 | NA | NA | 1983 | REPAIRED AND REPLACED | YES |
| | | | | | | | |
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| | | | | | | | |

7. Description of Work REPLACED MAIN DISC. REINSTALLED BODY TO BONNET SEAL WELD FOLLOWING MAINTENANCE.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks VALVE WILL BE INSTALLED UNDER
Applicable Manufacturer's Data Reports to be Attached
ANOTHER WORK ORDER.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR AND REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 15 MARCH 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/15/04 to 3/16/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements
 Date March 16, 2005 W/O #02-013880-000

| | | | | | | | |
|---|----------------------|--|--------------------|----------------------|-------------|------------------------------------|-------------------------------|
| 1. Owner <u>Tennessee Valley Authority</u> | | Date <u>6/3/05</u> | | | | | |
| <u>1101 Market Street, Chattanooga, TN 37402-2801</u> | | Sheet <u>6</u> of <u>33</u> | | | | | |
| 2. Plant <u>Sequoyah Nuclear Plant</u> | | Unit <u>2</u> | | | | | |
| <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> | | <u>WO# 03-017325-000</u> | | | | | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> | | Repair Organization P.O. No.. Job No.. etc. <u>N/A</u> | | | | | |
| <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> | | Type Code Symbol Stamp <u>N/A</u> | | | | | |
| <u>Address</u> | | Authorization No <u>N/A</u> | | | | | |
| 4. Identification of system <u>CONTAINMENT SPRAY, CLASS</u> | | Expiration Date <u>N/A</u> | | | | | |
| 5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case | | | | | | | |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | | <u>CODE CASE</u> | | | | | |
| 6. Identification of Components Repaired or Replaced and Replacement Components | | <u>N-416-2</u> | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| <u>2-72-553</u> | <u>KEROTEST</u> | <u>KP2-14</u> | <u>NA</u> | <u>NA</u> | <u>2005</u> | <u>REPLACED</u> | <u>YES</u> |
| | | <u>ABN1-18</u> | <u>NA</u> | <u>NA</u> | <u>1983</u> | <u>REPLACE MENT</u> | <u>YES</u> |
| <u>CS PIPING</u> | <u>TYA</u> | <u>NA</u> | <u>NA</u> | <u>NA</u> | <u>2005</u> | <u>REPLACED</u> | <u>NO</u> |
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| | | | | | | | |
| 7. Description of Work <u>REPLACED VALVE AND SECTION OF PIPING</u> | | | | | | | |
| 8. Tests Conducted: Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <u>6</u> | | | | | | | |
| Other <input type="checkbox"/> Pressure <u> </u> psi Test Temp <u> </u> °F | | | | | | | |

79 of 141

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturers Data Reports to be Attached

VALVE- ASME SECTION III, 1974 EDITION

PIPING- ANSI B31.7, 1969 EDITION, 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature], MECH ENGR
Owner or Owner's Designee, Title

Date

3 JUNE

2005

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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/21/05 to 6/08/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James R. Myrian
Inspector's Signature

Commissions

TN# 2693

National Board, State, Province, and Endorsements

Date

June 8,

2005

W/O #03-017325-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/14/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address
 2. Plant Sequoyah Nuclear Plant Sheet 7 of 33
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 3. Work Performed by Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 WO# 04-770684-000
Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp N/A
 Authorization No N/A
 Expiration Date N/A

4. Identification of system RCS, CLASS 1

5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, 574 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| RCP 2 | WESTINGHOUSE | 2189 | NA | NA | 2005 | REPLACED | YES |
| CARTRIDGE SEAL | | 2016 | NA | NA | 2005 | REPLACE MENT | YES |
| ASSEMBLY | | | | | | | |
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7. Description of Work REPLACED CARTRIDGE SEAL ASSEMBLY AND HOUSING BOLTS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 14 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/26/05 to 6/17/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements

Date June 17, 2005

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/14/03
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address
 2. Plant Sequoyah Nuclear Plant Sheet 8 of 33
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 3. Work Performed by Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 Repair Organization P.O. No., Job No., etc.
WDA 04-770685-000
 Type Code Symbol Stamp N/A
 Authorization No N/A
 Expiration Date N/A

4. Identification of system RCS, CLASS 1
 5. (a) Applicable Construction Code ASME 1974 Edition, 574 Addenda, NA Code Case
SECT III
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| RCP 4 | WESTINGHOUSE | 2182 | NA | NA | 2005 | REPLACED | YES |
| CARTRIDGE SEAL | | 2174 | NA | NA | 2005 | REPLACEMENT | YES |
| ASSEMBLY | | | | | | | |
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7. Description of Work REPLACED CARTRIDGE SEAL ASSEMBLY, #1 SEAL HOUSING, AND HOUSING BOLTS.
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Allen Brown, MECH ENGR Date 14 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/8/05 to 6/16/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James H. McLean Commissions TN # 2693
Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 16, 2005 w/o # 04-770685-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|---|--|
| 1. Owner <u>Tennessee Valley Authority</u> Name <u>1101 Market Street, Chattanooga, TN 37402-2801</u> Address | Date <u>6/16/05</u> Sheet <u>9</u> of <u>33</u> Unit <u>2</u> WO# <u>04-770751-000</u> Repair Organization P.O. No.. Job No.. etc. Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> Name <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> Address | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> Name <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> Address | |

4. Identification of system RCS, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| RCP 2-4 | WESTINGHOUSE | 5-618J 941602 | NA | NA | 2005 | REPLACED | NO |
| | | 8-618J 941602 | NA | NA | 2005 | REPLACEMENT | NO |
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7. Description of Work REPLACED RCP EXCEPT FOR THE PUMP CASING.
REPLACED MAIN FLANGE STUDS AND NUTS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND
Applicable Manufacturer's Data Reports to be Attached
WESTINGHOUSE E-SPECS 677355 AND 677188.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to
 the rules of the ASME Code, Section XI.
 repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 16 JUNE 2005
 Owner 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 Tennessee and employed by HSB CT
 of Hartford, Connecticut have inspected the components described in this
 Owner's Report during the period 4/28/05 to 6/23/05 and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
 described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
 concerning the examinations and corrective measures described in this Owner's Report. Furthermore,
 neither the inspector nor his employer shall be liable in any manner for any personal injury or property
 damage or a loss of any kind arising from or connected with this Inspection.

James H. Mylon Commissions TN #2693
 Inspector's Signature National Board, State, Province, and Endorsements
 Date JUNE 23, 2005 W/O # 04-770751-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 7/15/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address
 2. Plant Sequoyah Nuclear Plant Sheet 10 of 33
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 3. Work Performed by Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
 Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp N/A
 Authorization No N/A
 Expiration Date N/A

4. Identification of system CVCS, CLASS 2
 5. (a) Applicable Construction Code ANSI B31.7 Edition, 69 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| CVCS | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| PIPING | | | | | | | |
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7. Description of Work REPLACED FLANGE BOLTING

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature]
Owner or Owner's Designee, Title

Date

15 JULY

2005

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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/11/05 to 7/18/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

July 18,

2005

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

Date 6/8/03
 Sheet 11 of 33

2. Plant Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Unit 2
 WO# 04-770751-003

3. Work Performed by Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp N/A
 Authorization No N/A
 Expiration Date N/A

4. Identification of system CVCS, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 19 60 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-CVCH-139 | TVA | NA | NA | NA | 2005 | REPAIRED | NO |
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7. Description of Work REPAIRED SUPPORT BASEPLATE BY WELDING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/28/05 to 6/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions TN #2693
National Board, State, Province, and Endorsements

Date June 14, 2005 w/o #04-770751-003

| | | | |
|---|--|------------------------|---|
| 1. Owner | Tennessee Valley Authority | Date | 6/8/05 |
| | Name 1101 Market Street, Chattanooga, TN 37402-2801 | Sheet | 12 of 33 |
| | Address | Unit | 2 |
| 2. Plant | Sequoyah Nuclear Plant | | W04770751-003 |
| | Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 | | Repair Organization P.O. No.. Job No.. etc. |
| | Address | Type Code Symbol Stamp | N/A |
| 3. Work Performed by | Sequoyah Nuclear Plant | Authorization No | N/A |
| | Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 | Expiration Date | N/A |
| | Address | | |
| 4. Identification of system | RCS, CLASS 1 | | |
| 5. (a) Applicable Construction Code | SEE REMARKS 19 NA | Edition, | NA |
| | | Addenda, | NA |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements | 1989 | | |

[illegible]

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp _____ °F

91 of 141

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND
Applicable Manufacturer's Data Reports to be Attached
WESTINGHOUSE E-SPECS 677188 AND 677355

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to
 repair or replacement
 the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 JUNE 2005
Owner 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 Tennessee and employed by HSB CT
 of Hartford, Connecticut have inspected the components described in this
 Owner's Report during the period 4/28/05 to 6/14/05 and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
 described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
 concerning the examinations and corrective measures described in this Owner's Report. Furthermore,
 neither the inspector nor his employer shall be liable in any manner for any personal injury or property
 damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN#2693
Inspector's Signature National Board, State, Province, and Endorsements
 Date June 14, 2005 w/o #04-770751-003

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>5/7/05</u> Sheet <u>13</u> of <u>33</u> Unit <u>Z</u> <u>WO# 04-771234-004</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |

4. Identification of system AFW, CLASS 2
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-AFDH-280 | PSA | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED FRONT END MOUNTING BOLTS.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 7 MAY 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/19/04 to 5/11/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN#2693
Inspector's Signature National Board, State, Province, and Endorsements
Date May 11, 2005 w/o #04-771234-004

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>5/7/05</u> Sheet <u>14</u> of <u>33</u> Unit <u>2</u> <u>WO# 04-771234-005</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |

4. Identification of system FEEDWATER, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-FDH-206 | BE | SQ-162 | NA | NA | 2005 | REPLACED | NO |
| | | SQ-86 | NA | NA | 2005 | REPLACE MENT | NO |
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7. Description of Work REPLACED SHAUBER

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

MECH ENGR
Owner or Owner's Designee, Title

Date

7 MAY

2005

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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/14/04 to 5/11/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. McLean
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

May 11,

2005

w/o #04-771234-005

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div> | Date <u>6/3/05</u> Sheet <u>15</u> of <u>33</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div> | Unit <u>2</u> <u>WID# 04-77/234-006</u> <div style="text-align: right; margin-right: 100px;"><small>Repair Organization P.O. No., Job No., etc.</small></div> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div> | Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 4. Identification of system <u>CVCS, CLASS 2</u> | |
| 5. (a) Applicable Construction Code <u>ANSI B31.7 1969</u> Edition, <u>70</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-CVCH-191 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| 2-CVCH-491 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| 2-CVCH-841 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| 2-CVCH-866 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED FRONT END MOUNTING SCREWS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure NA psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACED conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed

[Signature], MECH ENGR
Owner or Owner's Designee, Title

Date

3 JUNE

2005

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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/19/04 to 6/07/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

TN # 2693

National Board, State, Province, and Endorsements

Date

JUNE 7,

2005

W/O #04-771234-006

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div> | Date <u>5/7/05</u> Sheet <u>16</u> of <u>33</u> Unit <u>2</u> <u>WO# 04-771234-007</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No.. Job No.. etc.</div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div> | |

4. Identification of system SAFETY INJECTION, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-S1H-40 | PSA | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED FRONT END MOUNTING BOLTS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

REPLACEMENT, MECH ENGR

Date

7 MAY

2005

Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/19/04 to 5/11/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. McLean
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

May 11,

2005

W/o #04-771234-007

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; margin-right: 50px;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; margin-right: 50px;"><small>Address</small></div> | Date <u>6/3/05</u> Sheet <u>17</u> of <u>33</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 50px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 50px;"><small>Address</small></div> | Unit <u>2</u> <u>WID# 04-771234-008</u> <div style="text-align: right; margin-right: 50px;"><small>Repair Organization P.O. No., Job No., etc.</small></div> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 50px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 50px;"><small>Address</small></div> | Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 4. Identification of system <u>SAFETY INJECTION, CLASS 2</u> | |
| 5. (a) Applicable Construction Code <u>ANSI B31.7 1969</u> Edition, <u>70</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-SIH-27 | BE | SQ-046 | NA | NA | 2005 | REPLACED | NO |
| | | SQ-124 | NA | NA | 2005 | REPLACEMENT | NO |
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7. Description of Work REPLACED SNUBBER

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure NA psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

101 of 141

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature], MECH ENGR Date 3 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/19/04 to 6/7/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN # 2693
Inspector's Signature National Board, State, Province, and Endorsements
Date June 7, 2005 w/o # 04-771234-008

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/17/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

2. Plant Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

3. Work Performed by Sequoyah Nuclear Plant WO# 04-771234-009
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
Repair Organization P.O. No., Job No., etc.
Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of system MAIN STEAM, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-SG1-B | PAUL MONROE | SQ-223 | NA | NA | 2005 | REPLACED | NO |
| | | SQ-143 | | | | REPLACE MENT | |
| 2-SG3-A | | SQ-231 | | | | REPLACED | |
| | | SQ-224 | | | | REPLACE MENT | |
| 2-SG3-B | | SQ-232 | | | | REPLACED | |
| | | SQ-225 | | | | REPLACE MENT | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED PAUL & MONROE SNUBBERS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: CONTRACT 83549 AND
SPECIFICATION 1701.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature] M, MECH ENGR
Owner or Owner's Designee, Title

Date

17 JUNE

2005

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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/28/05 to 6/17/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

June 17,

2005

W/O #04-771234-009

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>5/7/05</u> Sheet <u>19</u> of <u>33</u> Unit <u>2</u> <u>WIO# 04-77/234-010</u> <div style="text-align: center;"><small>Repair Organization P.O. No.. Job No.. etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |

4. Identification of system RCS, CLASS 1
5. (a) Applicable Construction Code ANSI B31.1 19 69 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-RCH-B33 | PSA | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED FRONT END MOUNTING BOLTS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 7 MAY 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/19/04 to 5/11/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements

Date May 11, 2005 W/O #04-771234-010

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|---|--|
| 1. Owner <u>Tennessee Valley Authority</u> <small>Name</small> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <small>Address</small> | Date <u>1/31/05</u> Sheet <u>20</u> of <u>33</u> Unit <u>2</u> <u>WO# 04-771234-016</u> <small>Repair Organization P.O. No., Job No., etc.</small> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <small>Name</small> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <small>Address</small> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <small>Name</small> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <small>Address</small> | |

4. Identification of system SGBD, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 ¹⁹69 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2SGBH-103 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| | | | | | | | |
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7. Description of Work REPLACED SNUBBER END ATTACHMENT MOUNTING SCREWS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure NA psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

MECH ENGR

Date

31 JANUARY

2005

Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/18/04 to 02/01/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. McGowan
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

Feb. 01,

2005

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/3/05
1101 Market Street, Chattanooga, TN 37402-2801 Sheet 21 of 33
Name
Address
 2. Plant Sequoyah Nuclear Plant Unit 2
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 WID# 04-771234-017
Name
Address
 3. Work Performed by Sequoyah Nuclear Plant Repair Organization P.O. No., Job No., etc.
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Type Code Symbol Stamp N/A
Name
Address Authorization No N/A
 Expiration Date N/A
 4. Identification of system CVCS, CLASS 1&2
 5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-CVCH-20 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| 2-CVCH-432 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
| 2-CVCH-450 | TVA | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED FRONT END MOUNTING SCREWS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 3 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/18/04 to 6/07/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN # 2693
Inspector's Signature National Board, State, Province, and Endorsements
Date June 7, 2005 W/O #04-771234-017

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

Date 3/15/03
Sheet 22 of 33

2. Plant Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Unit 2
WO# 04-771234-019
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of system RHR, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|-------------|------------------------------------|-------------------------------|
| <u>2-RHRA-425</u> | <u>PSA</u> | <u>NA</u> | <u>NA</u> | <u>NA</u> | <u>2005</u> | <u>REPLACED</u> | <u>NO</u> |
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7. Description of Work REPLACED SNUBBER FRONT END MOUNTING SCREWS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ / Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

William, MECH ENGR

Date

15 MARCH

2005

Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 10/18/04 to 3/16/05 and state that to the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. Myhrum
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

March 16,

2005

W/O # 04-771234-019

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|---|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>6/12/03</u> Sheet <u>23</u> of <u>33</u> Unit <u>2</u> <u>WO# 04-771982-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 4. Identification of system <u>SAFETY INJECTION, CLASS 2</u> | |
| 5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|----------------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| SAFETY INJECTION PUMP 2A-A | PACIFIC | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED SEAL HOUSING

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND
Applicable Manufacturer's Data Reports to be Attached
WESTINGHOUSE E-SPECS 675786 AND 677125.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to
 repair or replacement
 the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

REPLACEMENT, MECH ENGR

Date

17 JUNE

2005

Owner 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 Tennessee and employed by HSB CT
 of Hartford, Connecticut have inspected the components described in this
 Owner's Report during the period 4/26/05 to 6/17/05 and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
 described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
 concerning the examinations and corrective measures described in this Owner's Report. Furthermore,
 neither the inspector nor his employer shall be liable in any manner for any personal injury or property
 damage or a loss of any kind arising from or connected with this inspection.

James N. Myron
 Inspector's Signature

Commissions

TN#2693

National Board, State, Province, and Endorsements

Date

June 17,

2005

W/O #04-771982-000

1. Owner Tennessee Valley Authority Date 6/15/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

2. Plant Sequoyah Nuclear Plant Sheet 24 of 33
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

3. Work Performed by Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

4. Identification of system AFW, CLASS 2 WO# 04-772781-001
Address

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp N/A
 Authorization No N/A
 Expiration Date N/A

[illegible]

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed James N. Mylan, MECH ENGR Date 15 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/19/05 to 6/20/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. Mylan
Inspector's Signature

Commissions TN #2693
National Board, State, Province, and Endorsements

Date June 20, 2005 W/O #04-772781-001

1. Owner Tennessee Valley Authority Date 6/8/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

2. Plant Sequoyah Nuclear Plant Sheet 25 of 33
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

3. Work Performed by Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

4. Identification of system MAIN STEAM, CLASS 2 WO# 04-775526-000
Address Repair Organization P.O. No., Job No., etc.

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
Address Type Code Symbol Stamp Authorization No Expiration Date

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, - Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|--------------------------------------|-------------------------------|
| 2-MSH-343 | BE | SQ 41 SQ 45 | NA | NA | 2005 | REPLACED | NO |
| | PSA | 5580 5581 | | | | REPLACE MENT | |
| 2-MSH-383 | BE | SQ 42 SQ 43 | | | | REPLACED | |
| | PSA | 5511 5512 | | | | REPLACE MENT | |
| 2-MSH-423 | BE | SQ 76-102 SQ 76-101 | | | | REPLACED | |
| | PSA | 5856 5858 | | | | REPLACE MENT | |
| 2-MSH-303 | BE | SQ 37 SQ 36 | | | | REPLACED | |
| | PSA | 5587 5588 | | | | REPLACE MENT | |

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure NA psi Test Temp _____ °F

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/21/05 to 6/15/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements
Date June 15, 2005 W/O #04-775526-000

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

Date 6/6/05

Sheet 26 of 33

2. Plant Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Unit 2

WO # 04-779552-007

3. Work Performed by Sequoyah Nuclear Plant
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Repair Organization P.O. No., Job No., etc.
Type Code Symbol Stamp N/A

Authorization No N/A

Expiration Date N/A

4. Identification of system CVCS, CLASS 2

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE
N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| CVCS PIPING | TVA | NA | NA | NA | 2005 | REPLACE MENT | NO |
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7. Description of Work MODIFIED PIPING SYSTEM

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed [Signature] MECH ENGR Date 6 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3/11/05 to 6/09/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions TN # 2693
National Board, State, Province, and Endorsements

Date June 9, 2005 W/O # 04-779552-007

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/8/05
Name
1101 Market Street, Chattanooga, TN 37402-2801 Sheet 27 of 33
Address
 2. Plant Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 WO# 04-779799-001
Address Repair Organization P.O. No., Job No., etc.
 3. Work Performed by Sequoyah Nuclear Plant Type Code Symbol Stamp N/A
Name Authorization No N/A
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Expiration Date N/A
Address
 4. Identification of system CONTAINMENT SPRAY, CLASS 2
 5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 CODE CASE
N-416-2
 6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| CS PIPING | TVA | NA | NA | NA | 2005 | REPAIRED AND REPLACED | NO |
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7. Description of Work REINSTALLED PIPING BY WELDING. REPLACED A PIPE FITTING.
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

121 of 141

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR AND REPLACEMENT conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/02/05 to 6/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions TN#2693
National Board, State, Province, and Endorsements

Date June 14, 2005 W/O# 04-779799-001

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>6/15/05</u> Sheet <u>28</u> of <u>33</u> Unit <u>2</u> <u>WO# 04-782190-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | Type Code Symbol Stamp <u>N/A</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 4. Identification of system <u>RCS, CLASS 1</u> | |
| 5. (a) Applicable Construction Code <u>ANSI B31.7</u> 19 <u>69</u> Edition, <u>70</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| REACTOR COOLANT CROSSOVER PIPING SUPPORTS LOOPS 1-4 | TVA | NA | NA | NA | 2005 | REPLACEMENT | NO |
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7. Description of Work ATTACHED NON CODE SUPPORTS BY WELDING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure NA psi Test Temp °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 15 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/27/05 to 6/22/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements

Date June 22, 2005 W/O #04-782190-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/16/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address

2. Plant Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

3. Work Performed by Sequoyah Nuclear Plant Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address

Repair Organization P.O. No., Job No., etc.
WO# 04-783447-000

Authorization No N/A
 Expiration Date N/A

4. Identification of system MAIN STEAM, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-1-621 | WALWORTH | NA | NA | NA | 2005 | REPAIRED | NO |
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7. Description of Work REPAIRED BODY AND BONNET GASKET SURFACES BY MACHINING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure NA psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 92615 AND
Applicable Manufacturers Data Reports to be Attached
1968 DRAFT ASME CODE FOR PUMPS & VALVES.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.
 repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature], MECH ENGR Date 16 JUNE 2005
 Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/13/05 to 6/22/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
 Inspector's Signature National Board, State, Province, and Endorsements
 Date June 22, 2005 W/O #04-783447-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 6/15/05
Name
1101 Market Street, Chattanooga, TN 37402-2801
Address
2. Plant Sequoyah Nuclear Plant Unit 2
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address
3. Work Performed by Sequoyah Nuclear Plant WO# 04-783513-000
Name
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000
Address Repair Organization P.O. No.. Job No.. etc.
Type Code Symbol Stamp N/A
- Authorization No N/A
Expiration Date N/A
4. Identification of system MAIN STEAM CLASS 2
5. (a) Applicable Construction Code ASME SECT III 19 74 Edition, 576 Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 CODE CASE
N-416-2
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-1-538 | KEROTEST | AAM7-7 | NA | NA | 1979 | REPLACED | YES |
| | HANCOCK | XMY60-D 5281 | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED VALVE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 28 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3/9/05 to 6/28/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions TN #2693
Inspector's Signature National Board, State, Province, and Endorsements
Date June 28, 2005

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>6/14/05</u> Sheet <u>31</u> of <u>33</u> Unit <u>2</u> <u>WO# 05-774252-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 4. Identification of system <u>SAFETY INJECTION, CLASS I</u> | |
| 5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-63-563 | ANCHOR | NA | NA | NA | 2005 | REPLACED | NO |
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7. Description of Work REPLACED VALVE BONNET NUTS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND

Applicable Manufacturer's Data Reports to be Attached

WESTINGHOUSE E-Specs 678820 AND 679211.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 14 JUNE 2005
Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this

Owner's Report during the period 4/28/05 to 6/17/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions TN # 2693
National Board, State, Province, and Endorsements

Date June 17, 2005 W/O #05-774252-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|---|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div> | Date <u>6/14/05</u> Sheet <u>32</u> of <u>33</u> Unit <u>2</u> W/O# <u>05-774336-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div> | |

4. Identification of system CVCS, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| EXCESS LETDOWN HEAT EXCHANGER | ATLAS | 1198 | 1027 | NA | 1971 | REPLACED | YES |
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7. Description of Work REPLACED FLANGE NUTS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE

Applicable Manufacturer's Data Reports to be Attached

TUBE SIDE - ASME SECTION III, 1968, CLASS 2

SHELL SIDE - ASME SECTION VIII, 1968

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

Robert M. MECH ENGR

Date

14 JUNE

2005

Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this

Owner's Report during the period 4/30/05 to 6/17/05 and state that to the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James N. Mylan
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

June 17,

2005

W/O #05-774336-000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

| | |
|--|--|
| 1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; margin-right: 100px;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; margin-right: 100px;">Address</div> | Date <u>6/7/05</u> Sheet <u>33</u> of <u>33</u> Unit <u>2</u> W.O.# <u>05-774753-000</u> <div style="text-align: right; margin-right: 100px;">Repair Organization P.O. No.. Job No.. etc.</div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u> |
| 2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;">Address</div> | |
| 3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;">Address</div> | |

4. Identification of system CONTAINMENT SPRAY, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 CODE CASE N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 2-72-540 | KEROTEST | FW19-19 | NA | NA | 2005 | REPLACED | YES |
| | | CCA 12-23 | NA | NA | 2005 | REPLACE MENT | YES |
| CS PIPING | TVA | NA | NA | NA | 2005 | REPLACE MENT | NO |
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7. Description of Work REPLACED VALVE AND A SECTION OF PIPING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

VALVE - ASME SECTION III, 1974 EDITION

PIPING - ANSI B31.7, 1969 EDITION, 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature] MECH ENGR

Date

7 JUNE

2005

Owner 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 Tennessee and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/12/05 to 6/15/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

TN #2693

National Board, State, Province, and Endorsements

Date

June 15,

2005

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

APPENDIX C

PRESSURE TEST REPORT

The inspection plan work required for the second outage of the third period of the second interval for Code Category B-E, Code Category B-P, Code Category C-H, Code Category D-A, Item Number D1.10; Code Category D-B, Item Number D2.10; and Code Category D-C, Item Number D3.10 and RI-ISI Code Category R-A (Item Numbers R1.11 and R1.12) is on schedule.

PREPARED BY

A handwritten signature in black ink, appearing to be "J. L. Brown", written over a horizontal line.

OWNER: TENNESSEE VALLEY AUTHORITY
1101 MARKET STREET
CHATTANOOGA, TENNESSEE 37402-2801

PLANT: SEQUOYAH NUCLEAR PLANT
P.O. BOX 2000
SODDY DAISY, TENNESSEE 37384-2000

UNIT: TWO
COMMERCIAL SERVICE DATE: JUNE 1, 1982
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

**System Pressure Tests
Unit 2 Cycle 13
Third Period of the Second Interval**

The Unit 2 tests scheduled for the third period which were required to be performed during the U2C13 refueling outage are complete.

| System | Test Results |
|---|--|
| Main Steam Piping Outside Containment | No through wall leakage found |
| MFW and AFW Inside Containment | No through wall leakage found |
| TDAFW Pump Suction and Discharge Piping | No through wall leakage found |
| Shutdown Board Room Chilled Water Trains A and B | No through wall leakage found |
| CVCS Outside Containment | No through wall leakage found |
| CVCS Excess Letdown | No through wall leakage found |
| RWST and ECCS Pump Supply Piping | No through wall leakage found |
| ERCW Outside Containment Trains A and B | Through wall pipe leak found and the pipe was replaced |
| ERCW Supply to Turbine and Motor Driven Auxiliary Feedwater Pumps | No through wall leakage found |
| Reactor Coolant System | No through wall leakage found |
| Spent Fuel Pool Cooling | No through wall leakage found |
| Sampling | No through wall leakage found |
| Relief Valve Header to the PRT | No through wall leakage found |
| Floor Drains | No through wall leakage found |
| Chemical Volume and Control(CVCS) RI-ISI | No through wall leakage found |
| Containment Spray RI-ISI | No through wall leakage found |
| Feedwater RI-ISI | No through wall leakage found |
| Reactor Coolant RI-ISI | No through wall leakage found |
| Residual Heat Removal RI-ISI | No through wall leakage found |
| Safety Injection RI-ISI | No through wall leakage found |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

APPENDIX D

IWE METAL CONTAINMENT EVALUATIONS

The following evaluations were performed for containment examinations performed during U2C13 for inaccessible areas and additional examinations in accordance with 10CFR 50.55a(b)(2)(ix) for Class MC components.

PREPARED BY Jeffy Charlant

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

SUMMARY OF IWE METAL CONTAINMENT EVALUATIONS

The Unit 2 Cycle 13 Inservice Inspection of Class MC components included two Notification of Indications (NOIs) for IWE Metal Containment evaluations. These evaluations require reporting per 10CFR 50.55a(b)(2)(ix).

SUMMARY: IWE NOTIFICATION OF INDICATIONS

| NOI NUMBER | COMPONENT IDENTIFIER |
|---|--|
| 2-SQ-381 | SCV- 1, 2, 3, 4 and SCV-DOME (horizontal stiffener O to top of dome) |
| DISPOSITION: Cleaned, repainted areas and removed arc strike. | |
| 2-SQ-382 | SCV- 1 thru 4, SCV-1-IB thru 4-IB and SCV-DOME-IB (various areas) |
| DISPOSITION: Cleaned and repainted areas. | |

| | |
|--|---|
| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

IWE METAL CONTAINMENT EVALUATION

NOI Number: 2-SQ-381

Component Identifier: SCV-1, 2, 3, 4 and SCV-Dome; (horizontal stiffeners O-R and vertical stiffeners 0-37 and 74-90; horizontal stiffeners R-S and vertical stiffeners 0-90, and elevation 821 to top of dome)

Examination Report Number: SCV-0234, SCV-0235, SCV-0236, SCV-0237 and SCV-0238

Disposition: Cleaned, repainted areas and repaired stiffeners

Evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A)
(Include (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation; and (3) A description of necessary corrective actions).

These indications were noted during the VT-3 visual examination of the SCV exterior surface areas horizontal stiffeners O-R and vertical stiffeners 0-37 and 74-90; horizontal stiffeners R-S and vertical stiffeners 0-90, and elevation 821 to top of dome. The areas examined were identified for Examination Category E-A Item Number E1.12 code credit visual examination (VT-3). The SCV surface showed minor corrosion, rusting and pitting with no visible signs of active corrosion and one arc strike. The areas examined did not show any significant wall loss or gross degradation. The indications appeared to be the result of previous maintenance activities. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas were cleaned/prepared and recoated in accordance with site procedures and the arc strike was removed in accordance with 0-MI-MXX-000-030.0. Based on this information, there is no indication that an adverse condition exists in the areas examined or that an adverse condition would be present in inaccessible areas.

Evaluation of additional examinations required per 10CFR50.55a(b)(2)(ix)(D). (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components.

These indications were noted during the VT-3 visual examination of the SCV exterior surface areas from horizontal stiffeners O-R and vertical stiffeners 0-37 and 74-90; horizontal stiffeners R-S and vertical stiffeners 0-90, and elevation 821 to top of dome. The areas examined were identified for Examination Category E-A, Item Number E1.12 code credit visual examination (VT-3). The SCV surface showed minor corrosion, rusting and pitting with no visible signs of active corrosion and one arc strike. The areas examined did not show any significant wall loss or gross degradation.

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| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

IWE METAL CONTAINMENT EVALUATION

NOI Number: 2-SQ-381
(continued)

The indications appear to be the result of previous maintenance activities. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas were cleaned/prepared and recoated in accordance with site procedures and the arc strike was removed in accordance with 0-MI-MXX-000-030.0. A VT-3 preservice examination was performed on areas recoated to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required. Based upon the conditions found, no additional examinations are warranted.

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| OWNER: TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801 | PLANT: SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000 |
| UNIT: TWO COMMERCIAL SERVICE DATE: JUNE 1, 1982 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED | CERTIFICATE OF AUTHORIZATION: NOT REQUIRED |

IWE METAL CONTAINMENT EVALUATION

NOI Number: 2-SQ-382

Component Identifier: SCV- 1, SCV-2, SCV-3, SCV-4, SCV-1-IB, SCV-2-IB, SCV-3-IB, SCV-4-IB and SCV-DOME-IB
Examination Report Number: SCV-0260, SCV-0261, SCV-0262, SCV-263, SCV-0264, SCV-0265, SCV-0266, SCV-0267 and SCV-0276

Disposition: Cleaned and repainted areas

Evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A)
(Include (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation; and (3) A description of necessary corrective actions).

These indications were noted during the VT-3 visual examination of various areas on the SCV interior and exterior surface. The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. These indications appear to be the result of previous maintenance activities. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas were cleaned/prepared and recoated in accordance with site procedures. Based on this information, there is no indication that an adverse condition exists in the areas examined or that an adverse condition would be present in inaccessible areas.

Evaluation of additional examinations required per 10CFR50.55a(b)(2)(ix)(D). (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components.

These indications were noted during the VT-3 visual examination of various areas on the SCV interior and exterior surface. The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. These indications appear to be the result on previous maintenance activities. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas were cleaned/prepared and recoated in accordance with site procedures. A VT-3 preservice examination was performed on areas re-coated to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required. Based upon the conditions found, no additional examinations are warranted.