

---

**SEQUOYAH NUCLEAR PLANT**

**ASME SECTION XI**

**INSERVICE INSPECTION  
SUMMARY REPORT**

**UNIT 1 CYCLE 7**

**JANUARY 25 , 1996**

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## SEQUOYAH NUCLEAR PLANT

### ASME SECTION XI

### INSERVICE INSPECT ON SUMMARY REPORT

### UNIT 1 CYCLE 7

DATE OF COMPLETION  
OF REPORT

1/25/96

PREPARED BY

Ernie Crane

ISI/NDE PROGRAM ENGINEER

REVIEWED BY

Jeffy Cloutant

ISI/NDE PROGRAM ENGINEER

REVIEWED BY

Jeffrey Whitaker

NDE LEVEL III

REVIEWED BY

David Scakse

ISI/NDE SPECIALIST

REVIEWED BY

Richard M. Ewald

CORP. MATERIALS & INSP.

APPROVED BY

W. Wade

ISI/NDE SUPERVISOR

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## TABLE OF CONTENTS

COVER SHEET

FORM NIS-1 OWNERS DATA REPORT

INTRODUCTION / SUMMARY OF INSPECTIONS

- SCOPE
- INTRODUCTION
- SUMMARY
- PERSONNEL/EQUIPMENT CERTIFICATIONS SUMMARY
- INSERVICE INSPECTION SUMMARY

SUMMARY OF NOTIFICATION OF INDICATIONS

APPENDIX I

EXAMINATION PLAN  
POST OUTAGE ISI REPORT

APPENDIX II

AUGMENTED EXAMINATIONS

APPENDIX III

SUMMARY OF STEAM GENERATOR  
TUBING EXAMINATIONS

APPENDIX IV

NIS-2 OWNERS DATA REPORT  
FOR REPAIR AND REPLACEMENT



FORM NIS-1 (back)

8. Examination Dates 04/20/94 to 11/11/95 9. Inspection Interval from 07/01/81 to 12/15/95
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See Report and Appendices I through III
11. Abstract of Conditions Noted. See Appendices I through IV
12. Abstract of Corrective Measures Recommended and Taken See Appendices I through IV

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 1-25 19 96 Signed TVA By Mark J. Buzynski  
Owner

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Tennessee and employed by Hartford Steam Boiler Insp. and Ins. Co. of Hartford, CT have inspected the components described in this Owners' Data Report during the period 04/20/94 to 11/11/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data 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 Owners' Data 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.

Date 1-25 19 96

Tom D. McAneer Commissions TN 3321  
Inspector's Signature National Board, State, Province and No.

OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                        SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE                                      CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## INTRODUCTION / SUMMARY OF INSPECTIONS

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

### Scope:

To provide an overview of the Inservice Inspections performed during the Unit 1 Cycle 7 Refueling Outage for Class 1 and 2 components as required by the Sequoyah ASME Section XI ISI/NDE Program, 1-SI-SXI-000-114.0 and IWA-6220 of ASME Section XI.

### Introduction:

The Unit 1 Cycle 7 inservice inspections of Sequoyah Nuclear Plant were performed during the period from April 20, 1994 to November 11, 1995. The Unit 1 Cycle 7 Refueling Outage began when the generator was taken off line on September 9, 1995. The outage was completed on November 11, 1995, when the generator was tied to the power grid. All examinations were performed to the implementing plant Surveillance Instruction, 1-SI-SXI-000-114.0, "ASME Section XI Inservice Inspection Program". Examinations performed during this outage conclude the inspection requirements for the first 10 year interval. The Unit 1 Cycle 7 inservice inspections of Sequoyah Nuclear Plant were performed during the period from April 20, 1994 to November 11, 1995.

Examinations were performed by ABB Combustion Engineering, GTS Duratek, and TVA Inspection Services Organization (ISO) under the direction of Site Inservice Inspection Section. Westinghouse Electric Corporation, accompanied by N.D.E. Technology, Quantum NDE Services Incorporated and ANATEC International performed the steam generator eddy current examinations.

The Authorized Inspection Agency (AIA), Hartford Steam Boiler Inspection And Insurance Company, provided two ANII's ; Tom D. McGovern and Neil F. Jackson.

OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                        SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE                                      CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

### Summary :

The Unit 1 Cycle 7 Inservice Inspection of Class 1 and 2 components consisted of a Reactor Vessel Interior Examination, Examination Category B-N-1, VT-3 and Steam Generator Tubing Eddy Current Examinations. The reason for a small ASME Code Credit work scope was due to Sequoyah's decision to include Unit 1 Cycle 7 refueling outage in the First Ten Year ISI Interval, therefore most of the third inspection period examinations were performed in cycles 5 and 6 refueling outages.

The Reactor Vessel Interior examination was performed to TVA procedures. The Steam Generator Tubing Eddy Current Examinations were performed to Westinghouse Electric Corporation procedures, approved by TVA.

### Personnel/Equipment Certifications Summary

NDE personnel certification records for TVA and contractor employees are maintained by TVA's Inspection Services Organization (ISO). Any questions should be directed to the Inspection Services Organization (ISO) in Soddy Daisy, Tennessee, 37379, at (423)843-4303.

TVA equipment and materials certification records are maintained by ISO, Sequoyah Site Material and Test Equipment Section, and Sequoyah Power Stores. Any questions should be directed to the Inservice Inspection Section, Sequoyah Nuclear Plant in Soddy Daisy, Tennessee, 37379, at (423)843-6905.



OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                        SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE                                      CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

### Inservice Inspection Summary

In accordance with ASME Section XI Boiler and Pressure Vessel Code 1977 Edition, Summer 1978 Addenda, Paragraph IWA-6220 the following information is provided :

1. Sequoyah Repair and Replacement Program, Site Standard Practice (SSP) 6.9 is in accordance with ASME Section XI 1980 Edition, Winter 1981 Addenda. (See Appendix IV, NIS-2 Repairs and Replacements)

2. Date of Documentation completion : 1/25/96

3. Name of Owner and Address :

Tennessee Valley Authority  
Nuclear Power Group  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

4. Name and Address of the Nuclear Generating Plant :

Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy Daisy, Tennessee 37379

5. Name and Number assigned to the Nuclear Power Unit by TVA :

Sequoyah Nuclear Plant, Unit 1

6. Commercial Operation Date for Unit :

July 1, 1981

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

7. Numbers assigned to the components by the State :

No numbers assigned

8. National Board Number assigned to the components by the manufacturer :

No number assigned

9. Names of the components and descriptions including size, capacity, material, location, and drawings to aid identification :

The Class 1 and 2 components examined in this Inservice Inspection outage are listed in Appendix I .

10. Names and address of principal manufacturer and principal contract which will identify the subcontractors. Manufacturers component identification numbers.

The majority of components examined were supplied by :  
Westinghouse Electric Corporation  
P.O. Box 355  
Pittsburgh, Pennsylvania 15230  
Contract Number 68C60-91934  
NSSS N2M-2

11. Date of completion of Examinations :

November 11, 1995

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
UNIT : ONE COMMERCIAL SERVICE DATE : JULY 1, 1981 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED	CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

12. Name of ANII who witnessed or otherwise verified the examinations and his employer and business address :

Tom D. McGovern and Neil F. Jackson  
Hartford Steam Boiler Inspection and Insurance Company  
200 Ashford Center North, Suite 300  
Atlanta, Georgia 30338-4860

13. Abstract of examinations, conditions observed, and corrective measures recommended or taken :

See Appendix I through IV

14. Signature of ANII :

See NIS-1 Form

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

ASME SECTION XI CREDIT UNIT 1 CYCLE 7  
CLASS 1 COMPONENTS

COMPONENT | EXAM METHOD | CODE CAT. | SAMPLE NO.

REACTOR VESSEL

Vessel Interior

VT-3

B-N-1

Interior Surfaces

STEAM GENERATORS

Tubing

ET

B-Q

4 SGs\*

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

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

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

**SUMMARY OF NOTIFICATION  
OF INDICATIONS**

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

UNIT: ONE

CERTIFICATE OF AUTHORIZATION:  
 NOT REQUIRED

## ISI NOI SUMMARY REPORT UNIT 1 CYCLE 7

NOI Number	Report Number	Component	Problem Description	Disposition	WR Number	Completion Date	Comments
1-SQ-380	R6638	RVINT (Reactor Vessel Interior)	Indention approximately 3/4" in diameter on RPVsealing surface	The impressions on the vessel and head flange were repaired to remove extraneous material detrimental to the function of the o-ring. Performed PT exams of depression areas on vessel head and vessel flange surfaces. (No PT indications). Impressions were left as-is and accepted by Westinghouse and TVA evaluations.	C204795	10/17/95	PER No: SQ951731PER; Depression was adjacent to O-ring sealing surface located near stud hole #40
1-SQ-381	R6652	SG#1 - Tubing	16 tubes defective	Stabilized tubes (as-needed) & Plugged tubes	C245321	10/23/95	
1-SQ-382	R6653	SG#2 - Tubing	48 tubes defective	Stabilized tubes (as-needed) & Plugged tubes	C245322	10/23/95	Three additional tubes preventively plugged
1-SQ-383	R6654	SG#3 - Tubing	47 tubes defective	Stabilized tubes (as-needed) & Plugged tubes	C245323	10/23/95	
1-SQ-384	R6655	SG#4 - Tubing	50 tubes defective	Stabilized tubes (as-needed) & Plugged tubes	C245324	10/23/95	

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

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## APPENDIX I

### EXAMINATION PLAN

OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                        SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE    CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

Sequoyah Nuclear Plant maintains Inservice Inspection (ISI) examination data (ASME Section XI and Augmented) by a computer program known as PRISIM (Program for ISI Data Management). PRISIM is utilized to schedule, maintain, and track ISI examinations.

This appendix contains a standardized Post Outage ISI Report to satisfy the Reporting Requirements of IWA-6000 of the ASME Section XI Code. This report contains the Inservice Inspection data for Class 1 and 2 Components.

**UNIT 1 CYCLE 7**  
**ASME SECTION XI CODE CREDIT**

**CLASS 1 COMPONENTS**

**REACTOR VESSEL**

Vessel Interior    VT-3            B-N-1    Interior Surfaces

**STEAM GENERATORS**

Tubing    ET    B-Q    4 SGs\*

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



OWNER : TENNESSEE VALLEY AUTHORITY    PLANT : SEQUOYAH NUCLEAR PLANT  
 NUCLEAR POWER GROUP    P.O. BOX 2000  
 1101 MARKET STREET    SODDY DAISY, TENNESSEE 37379  
 CHATTANOOGA, TENNESSEE 37402

UNIT : ONE    CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
 COMMERCIAL SERVICE DATE : JULY 1, 1981  
 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

\*\*\*\*\*

* NUTECH	TENNESSEE VALLEY AUTHORITY	PRISM	*
*	SEQUOYAH NUCLEAR POWER PLANT - UNIT 1		*
*	ISI DATA BASE		*
*	POST OUTAGE EXAMINATION RESULTS REPORT	* PAGE 1	*
*	EXAM REQUIREMENT : 78S-01    CYCLE : 07	* REVISION 0001	*
*	INTERVAL : 01    PERIOD : 3	* DATE 01/24/96	*

\*\*\*\*\*

\*\*\*\*\*

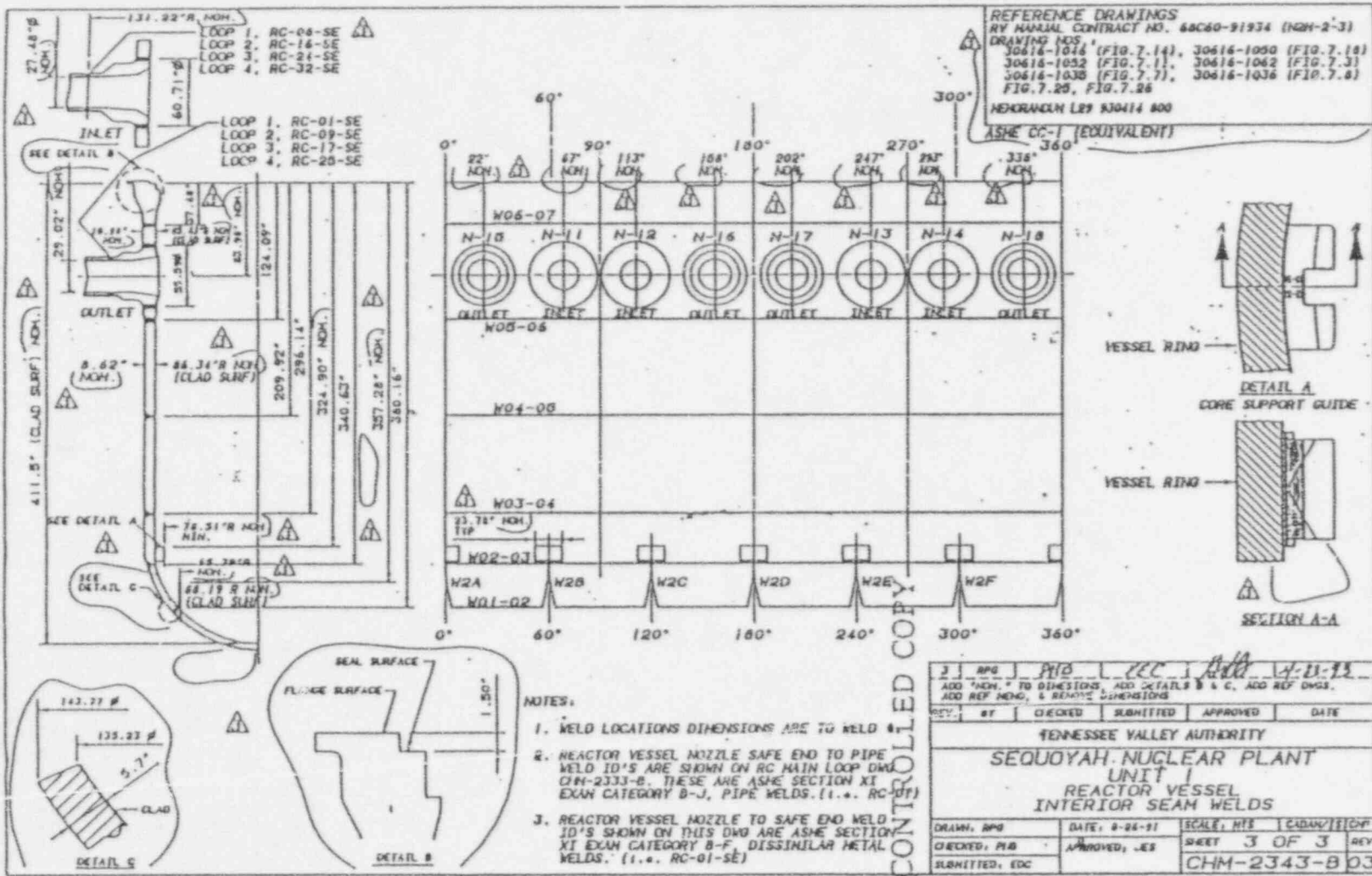
SYSTEM                 : RV    REACTOR VESSEL - 068  
 ISOMETRIC NUMBER    : CHM-2343-B SHEET : 03

\*\*\*\*\*

FEATURE NUMBER	COMPONENT DESCRIPT.	CATGORY/ ITEM NO.	EXAMINATION REPORT NO.	CAL. REPORT NO.	CAL. STD.	EXAM TYPE	EXAM DATE	EXAM RESULT	SEC XI CREDIT	RELIEF REQST.	INDICATION TYPE	INDICATION RESOLUTION
RVINT	INT SUR	B-N-1 B13.10	R00006638			VT-3	19951002	ENGR		YES	PHYSIC DMG	SUP EXAM, OK

\*\*\*\*\*

Page 16 of 186



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

UNIT: ONE

CERTIFICATE OF AUTHORIZATION:  
 NOT REQUIRED

COMMERCIAL SERVICE DATE: JULY 1, 1981  
 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

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
UNIT : ONE COMMERCIAL SERVICE DATE : JULY 1, 1981 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED	CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

Page 18 of 186

```

*****
* NUTECH                                TENNESSEE VALLEY AUTHORITY                                PRISM                                *
*                                         SEQUOYAH NUCLEAR POWER PLANT - UNIT 1                                *
*                                         ISI DATA BASE                                *
* POST OUTAGE EXAMINATION RESULTS REPORT                                *****                                *
* EXAM REQUIREMENT : 78S-01    CYCLE : 07                                * PAGE 2                                *
* INTERVAL : 01    PERIOD : 3                                * REVISION 0001                                *
*                                         * DATE 01/22/96                                *
*****

```

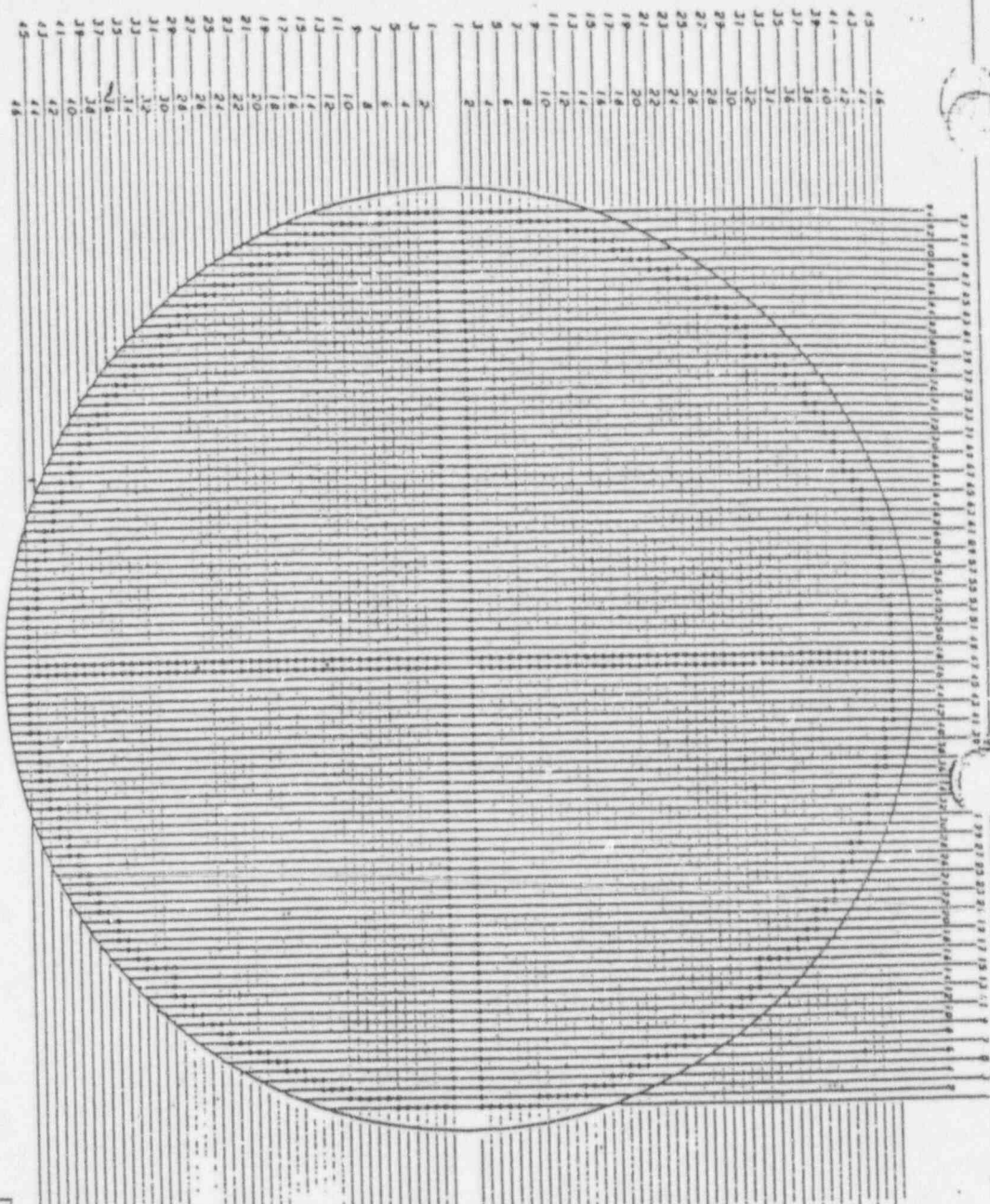
```

*****
* SYSTEM : SG    RCS STEAM GENERATOR - 068                                *
* ISOMETRIC NUMBER : ISI-0397-C SHEET : 01                                *
*****

```

FEATURE NUMBER	COMPONENT DESCRPT.	CATGORY/ ITEM NO.	EXAMINATION REPORT NO.	CAL. REPORT NO.	CAL. STD.	EXAM TYPE	EXAM DATE	EXAM RESULT	SEC XI CREDIT	RELIEF REQST.	INDICATION TYPE	INDICATION RESOLUTION
SG-1-TUBING	YES TUB	B-Q B16.20	R00006652			ET	19951017	FAIL	YES		WALL LOSS >=	PLUGGED
SG-2-TUBING	YES TUB	B-Q B16.20	R00006653			ET	19951017	FAIL	YES		WALL LOSS >=	PLUGGED
SG-3-TUBING	YES TUB	B-Q B16.20	R00006654			ET	19951017	FAIL	YES		WALL LOSS >=	PLUGGED
SG-4-TUBING	YES TUB	B-Q B16.20	R00006655			ET	19951017	FAIL	YES		WALL LOSS >=	PLUGGED

\*\*\*\*\*



NOTE: 1. THESE ARE 3/4" U-TUBES PER STEAM GENERATOR MADE OF  
 1/2" O.D. ALLOY (INCOCEL 58-E-58-163) HAVING 0.875 O.D.  
 AND 0.050 AVG. WALL THK.  
 2. FOR UNIT 2 DWG SEE ISI-0398-C.  
 3. THIS DWG REPLACES 76M1 FOR UNIT 1.

TUBE SHEET ARRANGEMENT

NOZZLE

CONTROLLED COPY

NO. 1	REV. 1	DATE	DESCRIPTION
1			ISSUED FOR CONSTRUCTION
2			REVISED TO SHOW CHANGES
3			REVISED TO SHOW CHANGES
4			REVISED TO SHOW CHANGES
5			REVISED TO SHOW CHANGES
6			REVISED TO SHOW CHANGES
7			REVISED TO SHOW CHANGES
8			REVISED TO SHOW CHANGES
9			REVISED TO SHOW CHANGES
10			REVISED TO SHOW CHANGES
11			REVISED TO SHOW CHANGES
12			REVISED TO SHOW CHANGES
13			REVISED TO SHOW CHANGES
14			REVISED TO SHOW CHANGES
15			REVISED TO SHOW CHANGES
16			REVISED TO SHOW CHANGES
17			REVISED TO SHOW CHANGES
18			REVISED TO SHOW CHANGES
19			REVISED TO SHOW CHANGES
20			REVISED TO SHOW CHANGES
21			REVISED TO SHOW CHANGES
22			REVISED TO SHOW CHANGES
23			REVISED TO SHOW CHANGES
24			REVISED TO SHOW CHANGES
25			REVISED TO SHOW CHANGES
26			REVISED TO SHOW CHANGES
27			REVISED TO SHOW CHANGES
28			REVISED TO SHOW CHANGES
29			REVISED TO SHOW CHANGES
30			REVISED TO SHOW CHANGES
31			REVISED TO SHOW CHANGES
32			REVISED TO SHOW CHANGES
33			REVISED TO SHOW CHANGES
34			REVISED TO SHOW CHANGES
35			REVISED TO SHOW CHANGES
36			REVISED TO SHOW CHANGES
37			REVISED TO SHOW CHANGES
38			REVISED TO SHOW CHANGES
39			REVISED TO SHOW CHANGES
40			REVISED TO SHOW CHANGES
41			REVISED TO SHOW CHANGES
42			REVISED TO SHOW CHANGES
43			REVISED TO SHOW CHANGES
44			REVISED TO SHOW CHANGES
45			REVISED TO SHOW CHANGES

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

UNIT: ONE  
 COMMERCIAL SERVICE DATE: JULY 1, 1981  
 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## APPENDIX II

### AUGMENTED EXAMINATIONS

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
UNIT : ONE COMMERCIAL SERVICE DATE : JULY 1, 1981 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED	CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

**1-SI-SXI-000-114.0**  
**Augmented Examinations**

Augmented examination is included as a part of the Inservice Inspection Program, 1-SI-SXI-000-114.0, required by Technical Specifications or Regulatory documents.

<u>Augmented Examinations</u>	<u>Exam Method</u>	<u>Prog. Ref.</u>	<u>Results</u>
RCP Flywheel	UT/MT	20.3	Acceptable
SG Tubing	ET	20.4	See Appendix III
PZR Relief Line Repair Welds	UT	20.13	Acceptable

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
UNIT : ONE COMMERCIAL SERVICE DATE : JULY 1, 1981 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED	CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

Page 22 of 186

```

*****
* NUTECH                                TENNESSEE VALLEY AUTHORITY                                PRISM *
*                                       SEQUOYAH NUCLEAR POWER PLANT - UNIT 1                                *
*                                       ISI DATA BASE                                *
* POST OUTAGE EXAMINATION RESULTS REPORT                                ***** *
* EXAM REQUIREMENT : B01-01    CYCLE : 07                                * PAGE 1 *
* INTERVAL : 01    PERIOD : 3                                * REVISION 0001 *
*                                       * DATE 01/22/96 *
*****

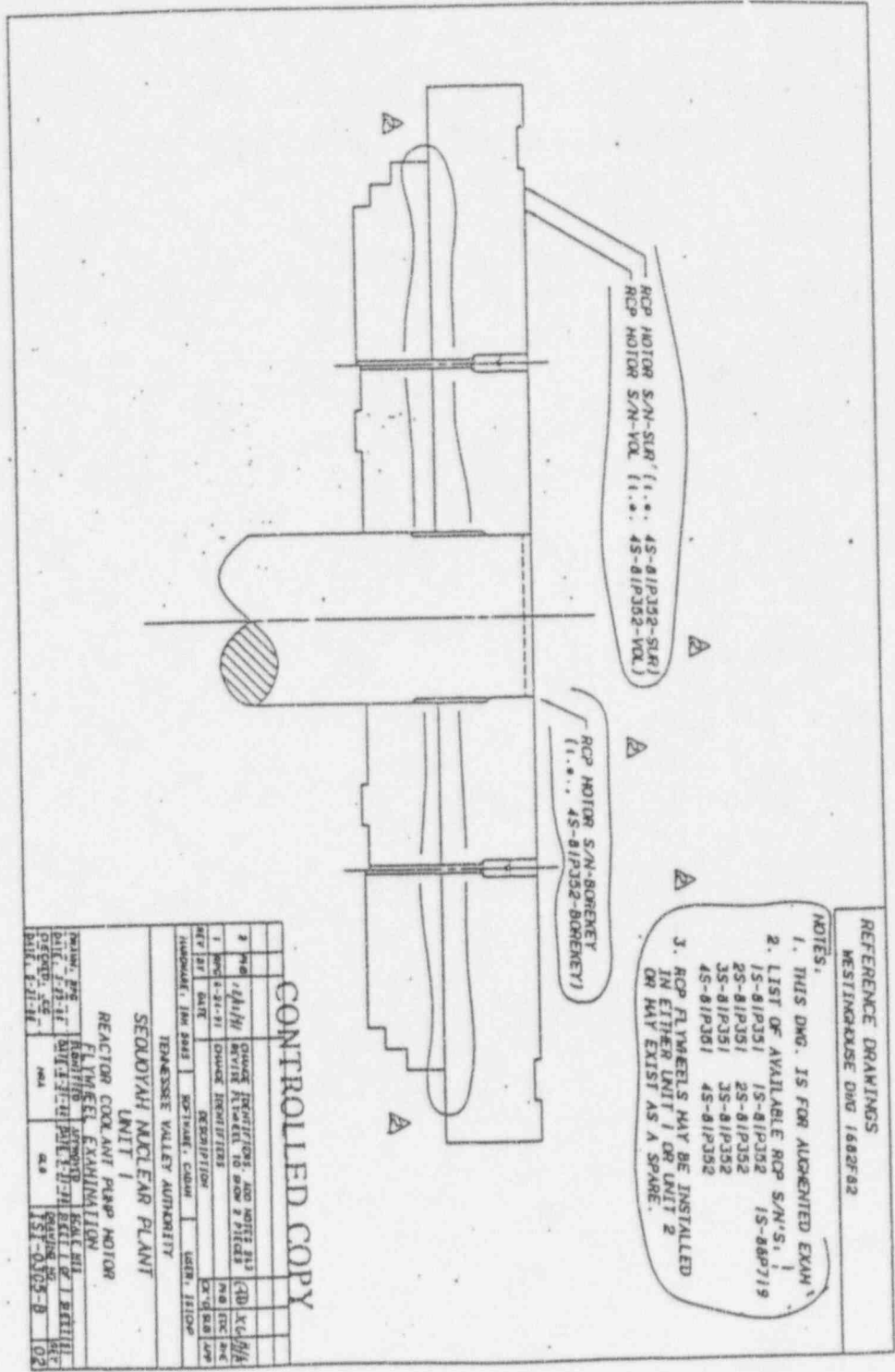
```

```

*
* SYSTEM : RCP REACTOR COOLANT PUMP - 068
* ISOMETRIC NUMBER : ISI-0305-B SHEET : 01
*
*****

```

FEATURE NUMBER	COMPONENT DESCRIPT.	CATGORY/ ITEM NO.	EXAMINATION REPORT NO.	CAL. REPORT NO.	CAL. STD.	EXAM TYPE	EXAM DATE	EXAM RESULT	SEC XI CREDIT	RELIEF REQST.	INDICATION TYPE	INDICATION RESOLUTION
4S-81P352-SUR	FLYWHL	RG1.14 FLYWHL	R00006606			MT	19950316	PASS				NO
4S-81P352-VOL	FLYWHL	RG1.14 FLYWHL	R00006607	C00000545	SQ-78	UT-0	19950315	PASS				NO
			R00006607	C00000545	SQ-78	UT-0	19950315	PASS				NO
			R00006607	C00000545	SQ-78	UT-0	19950315	PASS				NO
			R00006607	C00000545	SQ-68	UT-0	19950315	PASS				NO
			R00006607	C00000545	SQ-78	UT-0	19950315	PASS				NO



REFERENCE DRAWINGS  
WESTINGHOUSE Dwg 1682F82

- NOTES:
1. THIS Dwg. IS FOR ALIGNED EXAM.
  2. LIST OF AVAILABLE RCP S/N'S:
 

15-81P351	15-81P352	15-88P719
25-81P351	25-81P352	
35-81P351	35-81P352	
45-81P301	45-81P352	
  3. RCP FLYWHEELS MAY BE INSTALLED IN EITHER UNIT 1 OR UNIT 2 OR MAY EXIST AS A SPARE.

REV	DATE	DESCRIPTION	BY	CHKD
1	8-27-81	CHANGE IDENTIFIERS AND NOTE #13 REVIS IDENTIFIERS TO SHOW 2 FIELDS		
2	10-14-81	CHANGE IDENTIFIERS AND NOTE #13		

DRAWN BY: [ ]  
 DATE: 7-23-81  
 CHECKED BY: [ ]  
 DATE: 8-27-81  
 PROJECT: 8-21-81

TENNESSEE VALLEY AUTHORITY  
 SEQUOYAH NUCLEAR PLANT  
 UNIT 1  
 REACTOR COOLANT PUMP MOTOR  
 FLYWHEEL EXAMINATION

(DB) K.C.M./M  
 (M) S.C.A./M  
 (C) S.C.A./M  
 (S) S.C.A./M  
 (A) S.C.A./M  
 (I) S.C.A./M  
 (O) S.C.A./M  
 (D) S.C.A./M  
 (E) S.C.A./M  
 (X) S.C.A./M  
 (U) S.C.A./M  
 (F) S.C.A./M  
 (V) S.C.A./M  
 (W) S.C.A./M  
 (Y) S.C.A./M  
 (Z) S.C.A./M

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

UNIT : ONE  
 COMMERCIAL SERVICE DATE : JULY 1, 1981  
 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED



Page 24 of 186

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
UNIT : ONE COMMERCIAL SERVICE DATE : JULY 1, 1981 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED	CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

```

*****
* NUTECH                                TENNESSEE VALLEY AUTHORITY                                PRISM                                *
*                                         SEQUOYAH NUCLEAR POWER PLANT - UNIT 1                                *
*                                         ISI DATA BASE                                *
* POST OUTAGE EXAMINATION RESULTS REPORT                                *****                                *
* EXAM REQUIREMENT : D05-01    CYCLE : 07                                * PAGE 1                                *
* INTERVAL : 01    PERIOD : 3                                * REVISION 0001                                *
*                                         * DATE 01/22/96                                *
*****

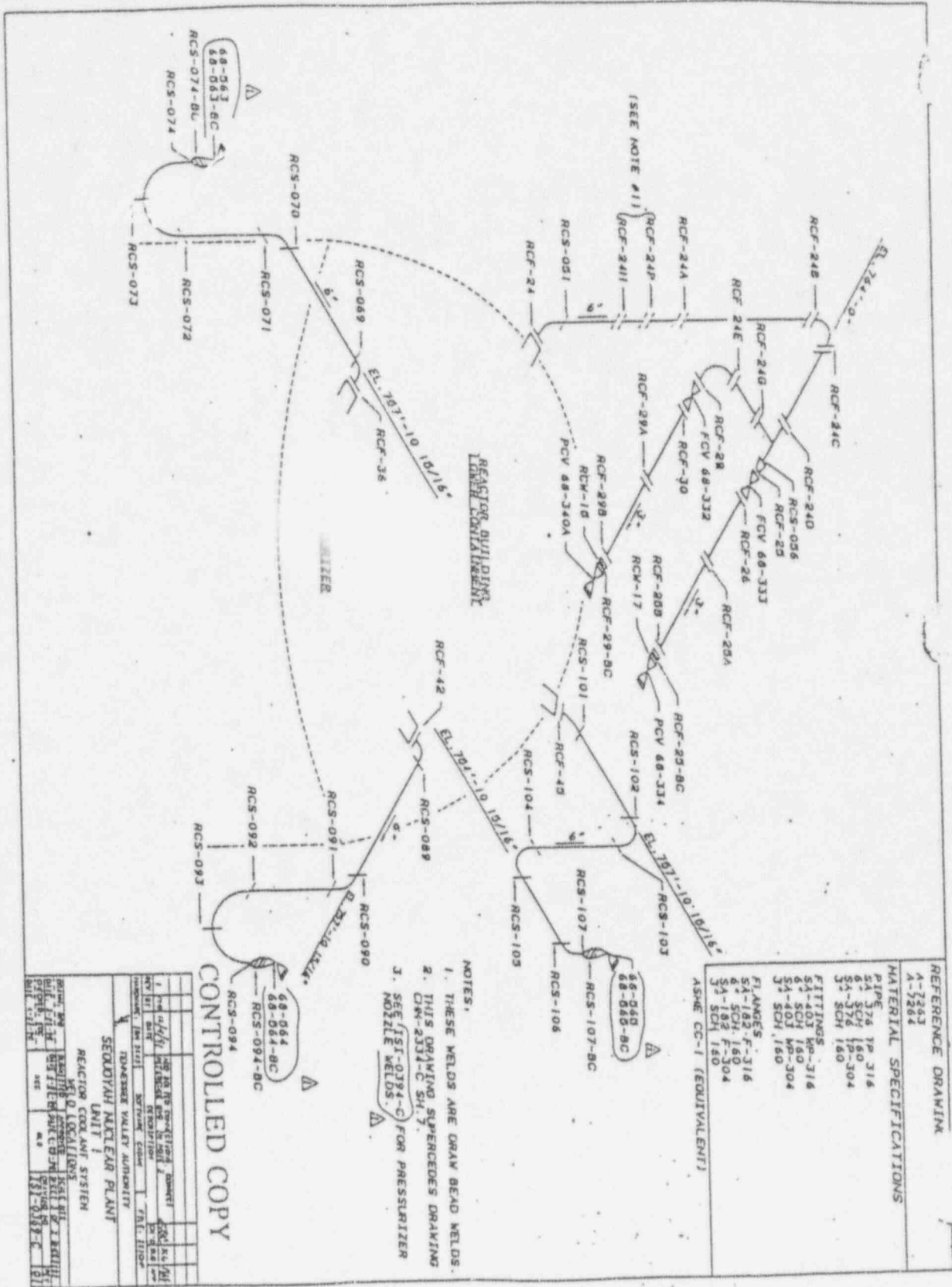
```

```

*
* SYSTEM : RCS REACTOR COOLANT SYSTEM - 068
* ISOMETRIC NUMBER : ISI-0369-C SHEET : 03
*
*****

```

FEATURE NUMBER	COMPONENT DESCRPT.	CATGORY/ ITEM NO.	EXAMINATION REPORT NO.	CAL. REPORT NO.	CAL. STD.	EXAM TYPE	EXAM DATE	EXAM RESULT	SEC XI CREDIT	RELIEF REQST.	INDICATION TYPE	INDICATION RESOLUTION
RCF-24H	PIPE	SI-114	R00006630	C00000571		UT-CRP	19950921	PASS	NO			
	-PIPE	20.13	R00006630	C00000570	SQ-01	UT-45	19950921	PASS	NO			
RCF-24P	PIPE	SI-114	R00006629	C00000569		UT-CRP	19950921	PASS	NO			
	-PIPE	20.13	R00006629	C00000568	SQ-01	UT-45	19950921	PASS	NO			



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	REVISION
1	PIPE	24	IP 316	
2	SCH 160	160	IP-304	
3	SCH 160	160	IP-304	
4	FITTINGS	54	WP-316	
5	SCH 160	160	IP-304	
6	SCH 160	160	IP-304	
7	SCH 160	160	IP-304	
8	FLANGES	24	F-316	
9	SCH 160	160	IP-304	
10	SCH 160	160	IP-304	
11	SCH 160	160	IP-304	

CONTROLLED COPY

NOTES:  
 1. THESE WELDS ARE DRAW BEAD WELDS.  
 2. THIS DRAWING SUPERCEDES DRAWING DW-2314-C SH. 7.  
 3. SEE TST-0794-C FOR PRESSURIZER NOZZLE WELDS.

REFERENCE DRAWING
A-7283
A-7284

MATERIAL SPECIFICATIONS
PIPES
24 IP 316
160 IP-304
160 IP-304
FITTINGS
54 WP-316
160 IP-304
160 IP-304
160 IP-304
FLANGES
24 F-316
160 IP-304
160 IP-304
160 IP-304

ASME CC-1 (EQUIVALENT)

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

UNIT : ONE  
 COMMERCIAL SERVICE DATE : JULY 1, 1981  
 NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

### APPENDIX III

## SUMMARY OF ASME SECTION XI STEAM GENERATOR TUBING EXAMINATIONS

OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                        SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE    CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

**SUMMARY OF SEQUOYAH UNIT 1 CYCLE 7  
SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS**

<u>EDDY CURRENT EXAM TYPE</u>	<u>S/G 1</u>	<u>S/G 2</u>	<u>S/G 3</u>	<u>S/G 4</u>
Full-Length Bobbin Coil	2773	3357	3328	3325
Partial Length Bobbin Coil	588	0	0	0
U-Bend RPC	38	38	40	38
Top of Tubesheet RPC	2062	3357	3328	3325
H01 RPC	371	53	902	1901
H02 RPC	80	63	585	761
H03 RPC	38	8	248	1141
H04 RPC	5	2	360	542
H05 RPC	7	2	0	90
H06 RPC	9	12	0	7
H07 RPC	30	14	0	35

Total Exams Completed	6001	6906	8791	11165
Total Tubes Examined	3361	3357	3328	3325

<u>PLUGGING STATUS</u>	<u>S/G 1</u>	<u>S/G 2</u>	<u>S/G 3</u>	<u>S/G 4</u>
Previously Plugged Tubes (As of U1C6)	27	31	60	63
Plugged Cycle 7				
Damage Mechanism				
PWSCC HTS	5	46	18	23
PWSCC TSP	2	1	16	19
ODSCC TSP (Axial)	2	0	2	0
ODSCC TSP (Circ)	7	0	10	7
OD INDICATIONS	0	1	1	0
AVB WEAR	0	0	0	1
Preventively Plugged	0	3	0	0
TOTAL TUBES PLUGGED	43	82	107	113

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

UNIT : ONE

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JULY 1, 1981

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

### SUMMARY OF SEQUOYAH UNIT 1 CYCLE 7 SG EDDY CURRENT INSPECTION RESULTS

<u>INDICATIONS (Tubes)</u>	<u>S/G 1</u>	<u>S/G 2</u>	<u>S/G 3</u>	<u>S/G 4</u>
<b>Defects ( <math>\geq</math> 40% wall loss )</b>				
PWSCC HTS	5	46	18	23
PWSCC TSP	2	1	16	19
ODSCC TSP (Axial)	2	0	2	0
ODSCC TSP (Circ)	7	0	10	7
OD INDICATION	0	1	1	0
AVB WEAR	0	0	0	1
<b>Degradation ( <math>\geq</math> 20% and <math>&lt;</math> 40% wall loss and APC allowed indications - see NOTE 1)</b>				
ODSCC TSP (NOTE 1)	8	6	22	9
OD CORROSION HTS	1	2	0	0
AVB WEAR	3	7	9	7
COLD LEG THINNING	3	0	4	0
FLOW LANE BLOCKING WEAR	2	0	1	1
MANUFACTURING FLAW	2	2	0	3
DISTORTED BOBBIN SIGNALs (NOTE 2)	12	6	2	2
<b>Imperfections ( <math>&lt;</math> 20% wall loss )</b>				
OD CORROSION HTS	1	2	1	2
COLD LEG THINNING	3	1	4	0
FLOW LANE BLOCKING WEAR	4	0	0	0
MANUFACTURING FLAW	1	3	4	2
AVB Wear	0	1	1	0

**NOTES:**

- (1) SQN Unit 1 Technical Specifications Change 95-15 implemented an Alternate Plugging Criteria which allows ODSCC indications to remain in service when less than 2 volt amplitude (bobbin coil).
- (2) Also RPC Examined with No Defect Detected.

OWNER : TENNESSEE VALLEY AUTHORITY      PLANT : SEQUOYAH NUCLEAR PLANT  
NUCLEAR POWER GROUP                      P.O. BOX 2000  
1101 MARKET STREET                         SODDY DAISY, TENNESSEE 37379  
CHATTANOOGA, TENNESSEE 37402

UNIT : ONE    CERTIFICATE OF AUTHORIZATION : NOT REQUIRED  
COMMERCIAL SERVICE DATE : JULY 1, 1981  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## APPENDIX IV

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

**Owner:** Tennessee Valley Authority  
Nuclear Power Group  
1101 Market Street  
Chattanooga, Tennessee

**Plant Unit:** 1

**Owner Certificate of  
Authorization:** Not  
Required

**Plant:** Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, Tennessee  
37379

**Commercial Service Date:**  
July 1, 1981

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

Sheet 1 of 79

---

#### Appendix IV

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

<u>Work Requests</u>	<u>Work Requests</u>
C003330	C221141
C005983	C221180
C079799	C221695
C171748	C245321
C173610	C245322
C196205	C245323
C196223	C245324
C196256	C245326
C196267	C245327
C196473	C246034
C196474	C247000
C196817	C257274
C196835	C257291
C196989	C265401
C197124	C265402
C199607	C265403
C204063	C265408
C204064	C265413
C204065	C266502
C204066	C303984
C204762	C303988
C204763	
C204792	
C205416	
C206887	
C206899	
C206900	
C217252	
C221140	

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95

Sheet 2 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C003330  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System REACTOR COOLANT (68)

5. (a) Applicable Construction Code ASME SECT III 19 80 Edition, W80 Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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>PRESSURIZER PORV</u>	<u>TARGET ROCK</u>	<u>7</u>	<u>NA</u>	<u>NA</u>	<u>1983</u>	<u>REPAIR</u>	<u>YES</u>

7. Description of Work REWELEDDED BODY-TO-BONNET SEAL WELD AFTER PERFORMING MAINTENANCE. VALVE IS A SPARE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group Date 11-25-95  
1101 Market Street <sup>Name</sup> 11-25-95  
Chattanooga, TN 37402-2801 <sub>Address</sub> Sheet 3 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 <sup>Name</sup> WR C005983  
Soddy-Daisy, TN 37379 <sub>Address</sub> Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 <sup>Name</sup> Authorization No. NA  
Soddy-Daisy, TN 37379 <sub>Address</sub> Expiration Date NA
4. Identification of System RESIDUAL HEAT REMOVAL
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 19 80 W81 Addenda
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)
RHR PUMP 1B-B	INGERSOLL-RAND	NA	NA	NA	NA	REPLACED	NO

7. Description of Work REPLACED PUMP STUFFING BOX WITH A SPARE TO FACILITATE MAINTENANCE.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. NA °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 # 91034 AND  
Applicable Manufacturer's Data Reports to be attached  
WESTINGHOUSE E-SPEC 677125 & 676427.

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 K. R. [Signature] MECH ENGR Date 25 NOVEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAfee Commissions TN 3321 NJ  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 1-6-96  
 Sheet 4 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C079799  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 19 80 WB1 Addenda

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>VALVE</u> <u>1-FV-62-93</u>	<u>MASON-EILAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED VALVE DISC.

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 8 1/2 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  
WESTINGHOUSE E-SPEC 676270.  
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 K. D. [Signature] MECH ENGR Date 6 JANUARY 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom O. [Signature] Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 5 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C171748  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System SAFETY INJECTION

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 19 80 W81 Addenda

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)
VALVE 1-63-643	ANCHOR DARLING	NA	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work REPLACED BONNET NUTS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 # 9134 AND  
WESTINGHOUSE E-SERIES 678820 AND 679211.  
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 K. Wilson, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McCowan Commissions TN 3321 AWE  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 6-29-95  
 Sheet 6 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C173610  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System CHEMICAL VOLUME AND CONTROL (62)

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 19 80 W81 Addenda

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)
1-LCV-62-136	ANCHOR DARLING	NA	NA	NA	UNKNOWN	REPAIRED AND REPLACED	NO

7. Description of Work REPLACED BONNET STUDS AND NUTS. PERFORMED SEAL WELD AT BODY-TO-BONNET JOINT.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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  
WESTINGHOUSE E-SPEC 678765 AND 678258.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE** REPAIR AND REPLACEMENT

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 H. Kellyson, MECH ENGR Date 29 JUNE, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAloon Commissions TN 3321 A/I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/30, 19 95

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

1. Owner TVA-Nuclear Power Group Date 1-6-96  
1101 Market Street <sup>Next</sup> Sheet 7 of 79  
Chattanooga, TN 37402-2801 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name WR C 196205  
Soddy-Daisy, TN 37379 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System RESIDUAL HEAT REMOVAL
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 1980 WB1 Addenda
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>VALVE</u> <u>1-HCV-74-37</u>	<u>ANCHOR</u> <u>DARLING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-</u> <u>KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED BONNET STUDS AND NUTS.
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 8 1/2 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  
WESTINGHOUSE E-SPEC 678760 AND 670241.  
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 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom G. McArthur Commissions TN3301 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
Sheet 8 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C196223  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code SEE REMARKS NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 W81 Addenda

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>VALVE</u> <u>1-63-561</u>	<u>ANCHOR</u> <u>DARLING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED BONNET NUTS.

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 8 1/2 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  
WESTINGHOUSE E-SPEC 678820 AND 679211.  
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 K. Williams, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAfee Commissions TN 3321 ANJ  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-10, 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95

Sheet 9 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WRC 196256  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System SAFETY-INJECTION

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 19 80 W81 Addenda

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>VALVE</u> <u>1-63-635</u>	<u>VELAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED BONNET STUDS AND NUTS

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 8 1/2 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  
WESTINGHOUSE E-SPECS 1678760 AND 676241.  
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 K. Wilson, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-95 to 11-11-95, 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.

Tom D. McAleen Commissions TN 3321 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 10 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C196267  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System SAFETY INJECTION

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 1980 W81 Addenda

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>VALVE</u> <u>1-63-644</u>	<u>VELAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED VALVE DISC AND BONNET NUTS.

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 6 1/2 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  
WESTINGHOUSE E-SPEC 678760 AND 676241.  
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 K. R. Wilson, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom O. McAdams Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11, 19 96

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

1. Owner TVA-Nuclear Power Group Date 11-25-95  
1101 Market Street  
Chattanooga, TN 37402-2801 Sheet 11 of 79  
Address
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WR C196473  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA  
Address
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Construction Code ASME SECT III 19 68 Edition, 570 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda
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)
CONTAINMENT SPRAY	INDUSTRIAL PROCESS	6662-1	3251	NA	1972	REPLACED	YES
HEAT EXCHANGER	ENGINEERS						
IA							

7. Description of Work INSTALLED 4 BOLTS TO REMOVE TWO TUBES FROM SERVICE. REPLACED 34 STUDS AND 50 NUTS ON THE HX HEAD FLANGE.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 Halley M, MECH ENGR  
Owner or Owner's Designee, Title

Date 25 NOVEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom G. McAleen  
Inspector's Signature

Commissions TN 3301 A-1  
National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 11-25-95  
 Sheet 12 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WRC 196474  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System CONTAINMENT SPRAY

5. (a) Applicable Construction Code ASME SECT III 19 68 Edition, 570 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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)
CONTAINMENT SPRAY	INDUSTRIAL PROCESS	6662-3	3253	NA	1972	REPLACED	YES
HEAT EXCHANGER	ENGINEERS						
1-B							

7. Description of Work INSTALLED 16 PLUGS TO REMOVE EIGHT TUBES FROM SERVICE. REPLACED 62 PLUGS WITH NEW PLUGS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 25 NOVEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3301 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name \_\_\_\_\_  
1101 Market Street, Chattanooga, TN 37402 Sheet 13 of 79  
 Address \_\_\_\_\_
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WR C196817  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name \_\_\_\_\_ Authorization No. N/A  
P. O. Box 2000, Soddy-Daisy TN 37379 Expiration Date N/A  
 Address \_\_\_\_\_
4. Identification of System Essential Raw Cooling Water System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	TVA	N/A	N/A	N/A	Unknown	Replaced	No

7. Description of Work Replaced supply and discharge piping to Upper Containment Vent Coolers between isolation valves and SCV penetrations due to microbiologically induced corrosion.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 85 psi TRAW A Test Temp. \_\_\_\_\_ °F  
93-95 psi TRAW B

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" dia. ASME Class 2. ASME Section XI Code Case N416-1 used for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Engr. Date October 24 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom O. McArthur Commissions TN 9301 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name \_\_\_\_\_  
1101 Market Street, Chattanooga, TN 37402 Sheet 14 of 79  
 Address \_\_\_\_\_
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 TVAWR C196835  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name \_\_\_\_\_ Authorization No. N/A  
P. O. Box 2000, Soddy-Daisy TN 37379 Expiration Date N/A  
 Address \_\_\_\_\_
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	TVA	N/A	N/A	N/A	Unknown	Replaced	No

7. Description of Work Replaced supply piping to Upper Containment Cooler 1D due to corrosion.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 93-95 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

B. Remarks 2" dia. ASME Class 2. ASME Section XI Code Case N416-1 used for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Ronald G. Landis Mech Engr Date October 24 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described

in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. McArthur Commissions TN 3331 A-I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA-Nuclear Power Group Date 6-29-95  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address
2. Plant Sequoyah Nuclear Plant Unit 1  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address WRC196989  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address Authorization No. NA  
 Expiration Date NA
4. Identification of System RESIDUAL HEAT REMOVAL (79)
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 19 80 W81 Addenda
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>1-HCV-74-34</u>	<u>ANCHOR DARLING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPAIRED AND REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED BONNET, STUD AND NUTS. PERFORMED SEAL WELD ON BODY-TO-BONNET JOINT.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. NA °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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  
WESTINGHOUSE E-SPEC 678760 AND 676241.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE** REPAIR AND REPLACEMENT

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 DRULIKSON, MECH ENGR Date 29 JUNE, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-95 to 11-11-95, 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.

Tom J. McAdams Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/30, 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name \_\_\_\_\_  
1101 Market Street, Chattanooga, TN 37402 Sheet 16 of 79  
 Address \_\_\_\_\_
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 TVAWB C197124  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name \_\_\_\_\_ Authorization No. N/A  
P. O. Box 2000, Soddy-Daisy TN 37379 Expiration Date N/A  
 Address \_\_\_\_\_
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A450-20-29	TVA	N/A	N/A	N/A	Unknown	Replaced	No

7. Description of Work Replaced integrally-welded pipe stanchion for support due to damage during pipe replacement work.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 93-95 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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)

8. Remarks 2" dia. ASME Class 2. ASME Section XI Code Case N416-1 used for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Eng Date October 24 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. McNamee Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 17 of 19  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVAWR C197124  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2"x1/2"	TVA	N/A	N/A	N/A	Unknown	Repaired	No
Reducing							
Insert							

7. Description of Work Repaired damaged existing reducing insert by welding.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 93-95 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" dia. ASME Class 2. ASME Section XI Code Case N416-1 used for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Regis G. Lardis, Mech Engr Date October 24 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom D. McAloon Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name \_\_\_\_\_  
1101 Market Street, Chattanooga, TN 37402 Address \_\_\_\_\_  
 Sheet 18 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 Address \_\_\_\_\_  
TVA/WR C197124 Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 Address \_\_\_\_\_  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	TVA	N/A	N/A	N/A	Unknown	Replaced	No

7. Description of Work Replaced discharge piping to Upper Containment Vent Cooler 1B due to wall thinning.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 93-95 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks 2" dia. ASME Class 2. ASME Section XI Code Case N416-1 used for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Engr Date October 24 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 8-20-94 to 11-11-95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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.

Tom J. McAnan Commissions TP 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA Nuclear Power Group Date 11-8-94  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 19 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WR C199607/DCN M8986  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control, System 062
5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping on	TVA	N/A	N/A	N/A	Unknown	Replacement	No
Boric							
Tank A							
for							
1-LT-62-238							

7. Description of Work Added isolation, vent, and drain valves.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure X  
 Other  Pressure          psi Test Temp. 83 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/B2)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 3" dia. pipe, ASME Class 2. Pressure Testing performed in accordance with  
Applicable Manufacturer's Data Reports to be attached  
WVC-5222(b). VT-2 exam performed with tank at 90% level with 85% level equivalent to  
design capacity.

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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Engr Date November 14, 19 94  
 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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT 4-20-94 11-11-95 1-16-96 have inspected the components described in this Owner's Report during the period 5-11-92 1-16-93 11-16-94 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.

Tom D. McArthur Commissions 2a 909 ANE  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 11/14, 19 94

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

1. Owner TVA Nuclear Power Group Date 11-8-94  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 20 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WR C199607/DCN M8986  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control, System 062
5. (a) Applicable Construction Code ASME III 19 71 Edition, 1972 Addenda, 1540-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	ITT	79-52310-11-10	WR5499	N/A	Unknown	Replacement	Yes
1-62-1088	Grinnell						

7. Description of Work Added new isolation valve.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure X  
 Other  Pressure \_\_\_\_\_ psi Test Temp. 83 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 3" dia. pipe, ASME Class 2. Pressure Testing performed in accordance with  
Applicable Manufacturer's Data Reports to be attached  
IWC-5222(b). VT-2 exam performed with tank at 90% level with 85% level equivalent to  
design capacity.

**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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Engr Date November 14 19 94  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 thru 11-11-95 <sup>1-16-96</sup> 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.

Tom D. McQueen Commissions 2a 909 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/14 19 94

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

1. Owner TVA-Nuclear Power Group Date 1-2-96  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address
2. Plant Sequoyah Nuclear Plant Unit 1  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address WR C 204063  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address Authorization No. NA  
 Expiration Date NA
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 19 80 W81 Addenda
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)
VALVE 1-62-660	VELAN	NA	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work REPLACED BONNET NUTS AND MACHINED VALVE DISC.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA psi Test Temp. NA °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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-SPEC 678760 AND 676241

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 K. Dutton, MECH ENGR Date 2 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom O. McArthur Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group Date 1-2-96  
1101 Market Street <sup>Name</sup>  
Chattanooga, TN 37402-2801 Address  
 Sheet 22 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 <sup>Name</sup>  
Soddy-Daisy, TN 37379 Address  
WR C 204064  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 <sup>Name</sup> Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 1980 W81 Addenda
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)
VALVE 1-62-716	VELAN	NA	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work MACHINED VALVE DISC.
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 CONSTRUCTION CODE: CONTRACT #91934 AND  
WESTINGHOUSE E-SPEC 678760 AND 676241.  
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 Williamson, MECH ENGR Date 2 JANUARY 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. Simpson Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 1-2-96  
 Sheet 23 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C 204005  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 1980 W81 Addenda

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)
VALVE 1-62-717	VELAN	NA	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work MACHINED VALVE DISC

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 8 1/2 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  
WESTINGHOUSE E-SPEC 678760 AND 676241.  
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 2 JANUARY 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-1-95, 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 3301 A-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801

Date 11-25-95

Sheet 24 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Unit 1

WR C204066  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System SAFETY INJECTION (63)

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 19 80 W81 Addenda

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>VALVE</u> <u>1-63-581</u>	<u>VELAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>REPAIRED</u>	<u>NO</u>

7. Description of Work MACHINING OF CHECK VALVE DISC.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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  
WESTINGHOUSE E-SPEC 678760 & 676241.  
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 25 NOVEMBER 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA Nuclear Power Group Date 11-6-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Address Sheet 25 of 72
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address TVA/WR C204762/DCN M11336  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Feedwater, System 003
5. (a) Applicable Construction Code ASME III, 1986 Edition, S 1988 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW Nozzle							
Thermal							
Liner							
Loop 1	Connex	43635	N/A	MK S/G 1-1	1994	Repair	Yes

7. Description of Work Repaired overbored counterbore on pipe end of new thermal liner assembly by welding.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 998 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/B2) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 16" diameter pipe, ASME Class 2, ASME Section XI Code Case N416-1 utilized for leak check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Roger G. Zardis, Mech Engr Date November 9 19 95  
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 of Province of Tennessee and employed by Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom G. MacAloon Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/15 19 95

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

1. Owner TVA Nuclear Power Group Date 11-6-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 26 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WRC 204762  
 Address TVA/DCN M11336  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Feedwater, System 003
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW Nozzle							
Thermal							
Liner							
Loop 1	Connex	43635	N/A	MK S/G 1-1	1994	Replacement	Yes
Loop 2	Connex	43638	N/A	MK S/G 1-2	1994	Replacement	Yes

7. Description of Work Replaced existing transition piece and elbow assemblies with new thermal liner assemblies.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure X  
 Other  Pressure 998 psi Lp1 Test Temp. \_\_\_\_\_ °F  
1000 psi Lp2

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks 16" diameter pipe, ASME Class 2, ASME Section XI Code Case N416-1 utilized for leak check.  
Applicable Manufacturer's Data Reports to be attached  
Ref. WRs C204762 (Loop 1) and C204763 (Loop2).

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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Roger A. Landa, Mech Eng Date November 9 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. McAfee Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/15 19 95

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

1. Owner TVA Nuclear Power Group Date 11-6-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Address Sheet 27 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address TVA/WR C204762/DCN M11336  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Feedwater, System 003
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FDH-207	TVA	N/A	N/A	N/A	Unknown	Replacement	No
47A401-7-2	TVA	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Installed new support on 2" dia. pipe (47A401-7-2) and modified existing support on 16" dia. pipe (1-FDH-207) due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  ~~Nominal Operating Pressure~~  
~~Other~~  Pressure 990 psig Test Temp. 11-9-95 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 16" & 2" diameter pipe, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis, Mech Engr Date November 9 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom D. McAlorey Commissions TN 3321 A-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/15 19 95

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

1. Owner TVA Nuclear Power Group Date 11-6-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 28 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WR C204762/DCN M11336  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Feedwater, System 003
5. (a) Applicable Construction Code ASME III 19 68 Edition, None Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW Nozzle							
Loop 1	Westinghouse	1221	68-58	N/A	1971	Repaired	Yes

7. Description of Work Repaired linear indication approximately 5/16" long located at 12:00 and 8-1/2" from the face of the Steam Generator. Indication discovered by Magnetic Particle Examination and removed by light grinding.
8. Tests Conducted: Hydrostatic  Pneumatic   
 Other  Pressure 998 psi Nominal Operating Pressure X  
 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 16" diameter pipe, ASME Class 1, ASME Section XI Code Case N416-1 utilized for leak  
check. check.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger G. Lardie, Mech Engr Date November 15 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. McAloon Commissions TN 3301  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/15 19 95

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

1. Owner TVA Nuclear Power Group Date 11-6-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 27 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WR C204763/DCN M11336  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Feedwater, System 003
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FDH-244	TVA	N/A	N/A	N/A	Unknown	Replacement	No
47A401-7-1	TVA	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Installed new support on 2" dia. pipe (47A401-7-1) and modified existing support on 16" dia. pipe (1-FDH-244) due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  N Nominal Operating Pressure   
 Other  Pressure A psi 119.95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 16" & 2" diameter pipe, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Lardis, Mech Engr Date November 9 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAvoy Commissions TN 3321 ANT  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/15 19 95

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

1. Owner TVA-Nuclear Power Group Date 11-25-95  
Name  
1101 Market Street  
Address Chattanooga, TN 37402-2801 Sheet 30 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
Name  
P.O. Box 2000  
Address Soddy-Daisy, TN 37379 WR C 204792  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
Name  
P.O. Box 2000 Authorization No. NA  
Address Soddy-Daisy, TN 37379 Expiration Date NA
4. Identification of System REACTOR COOLANT
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 19 80 W81 Addenda
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 VESSEL	ROTTERDAM DOCKYARD	30624	NA	NA	1971	Replaced	No

7. Description of Work REPLACED STUD, NUT, & WASHER AT STUD HOLE NUMBER 10, LOCATION.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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: WESTINGHOUSE CONTRACT #91934  
AND E-SPEC 67643, 677027, 678777 AND  
ASME SECTION III, 68 EDITION, CLASS A.

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 25 NOVEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 11-25-95  
1101 Market Street Name  
Chattanooga, TN 37402-2801 Address Sheet 31 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WR C 204792  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System REACTOR COOLANT
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 19 80 W81 Addenda
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 VESSEL	ROTTERDAM DOCKYARD	30624	NA	NA	1971	REPAIRED	NO

7. Description of Work REPAIRED STUD HOLE NUMBER 10. THREADS WERE REPAIRED WITH A TAP.
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 8 1/2 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: WESTINGHOUSE CONTRACT # 31934  
Applicable Manufacturer's Data Reports to be attached  
AND E-SPEC 676413, 677027, 678777 AND  
ASME SECTION III, 68 EDITION, CLASS A.

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 25 NOVEMBER 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 A-I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 11-25-95  
 Sheet 32 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WRC 205414  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System REACTOR COOLANT

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 19 80 W81 Addenda

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)
PRESSURIZER SAFETY VALVE	CROSBY	RV-1-8010A	NA	NA	NA	REPLACED	NO

7. Description of Work REPLACED VALVE DISC INSERT AND NOZZLE.

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 8 1/2 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  
WESTINGHOUSE E-SPEC 678764 & 676279. THE  
REPLACEMENT OF VALVE PARTS WAS PERFORMED ON  
A SPARE VALVE. THE VALVE WAS RETURNED TO STOCK  
AS A SPARE FOR FUTURE RE-INSTALLATION.

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 NOVEMBER 25, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 TC 1321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-10 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 6-30-95  
 Sheet 33 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WRC 206887  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System RESIDUAL HEAT REMOVAL

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 1980 W81 Addenda

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)
SUPPORT# 1-RHRH-404	NA	NA	NA	NA	UN-KNOWN	REPLACE- MENT	NO
SUPPORT# 1-RHRH-405	NA	NA	NA	NA	UN-KNOWN	REPLACE- MENT	NO

7. Description of Work MODIFIED PIPE SUPPORTS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 K. Williams, MECH ENGR Date 30 JUNE, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McLean Commissions TN 3331 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/5, 19 95

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 7-14-95

Sheet 34 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C200887  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System RESIDUAL HEAT REMOVAL

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 1980 W81 Addenda

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)
SUPPORT # I-RHRH-407	NA	NA	NA	NA	UN-KNOWN	REPLACEMENT	NO
I-RHRH-412	NA	NA	NA	NA	UN-KNOWN	REPLACEMENT	NO

7. Description of Work MODIFIED PIPE SUPPORTS.

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 8 1/2 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~~ 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 K. P. Wilson, MECH ENGR Date 14 JULY, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAdams Commissions TN 3301 ANE  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/18 19 95

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 7-14-95

Sheet 35 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C 206887  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System CONTAINMENT SPRAY

5. (a) Applicable Construction Code ANSI B31.7-1970 Edition, 70 Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WB1 Addenda

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)
SUPPORT# 1-CSH-441	NA	NA	NA	NA	UN-KNOWN	REPLACE- MENT	NO

7. Description of Work MODIFIED PIPE SUPPORT.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 K. Williams, MECH ENGR Date 14 JULY, 19 95  
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 of Province of Tennessee and employed by Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom O. Williams Commissions TN 3321 ANZ  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/18 19 95

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 6-30-95

Sheet 36 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C206887

Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System CONTAINMENT SPRAY

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 19 80 W81 Addenda

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>SUPPORTS</u> <u>1-CSH-428</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>
<u>1-CSH-430</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>
<u>1-CSH-432</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>
<u>1-CSH-433</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>

7. Description of Work MODIFIED PIPE SUPPORTS.

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 8 1/2 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 K. Williams, MECH ENGR Date 30 JUNE, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-95 to 11-11-95, 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.

Tom J. McLean Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/5, 19 95

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 6-30-95

Sheet 37 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C 206887  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System SAFETY INJECTION

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 19 80 W81 Addenda

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>SUPPORTS</u> <u>1-SIH-401</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE-MENT</u>	<u>NO</u>
<u>1-SIH-402</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE-MENT</u>	<u>NO</u>
<u>1-SIH-408</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE-MENT</u>	<u>NO</u>
<u>1-SIH-411</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE-MENT</u>	<u>NO</u>
<u>1-SIH-412</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE-MENT</u>	<u>NO</u>

7. Description of Work MODIFIED PIPE SUPPORTS.

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 8 1/2 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 K. Williams, MECH ENGR Date 30 JUNE 19 95  
 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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAloon Commissions TN 3331 ANI  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 7/5/95 19

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

1. Owner TVA Nuclear Power Group Date 10-16-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 38 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C206899/DCN M11485  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater, System 003
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-AFDH-43	TVA	N/A	N/A	N/A	Unknown	Replacement	No
1-AFDH-23	TVA	N/A	N/A	N/A	Unknown	Replacement	No
1-AFDH-60	TVA	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Modified supports due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A <sup>N</sup> psi 10-23-95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks 4" dia. pipe, ASME Class 2  
 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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
 Signed Roger A. Landa, Mech. Engr. Date October 23, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. McAn Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/24 19 95

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

1. Owner TVA Nuclear Power Group Date 10-16-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 30 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C206899/DCN M11485  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Steam Generator Blowdown, System 015
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-SGBH-38	TVA	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Modify support to provide clearance for pipe movement due to revised analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A RPT psv0-25-95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/51

FORM NIS-2 (Back)

9. Remarks 2" dia. pipe, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Roger G. Fardew, Mech Engr Date October 23, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom D. Gmeiner Commissions TN 3391 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/24 19 95

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 1-2-96  
 Sheet 40 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C 106 899  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 19 80 WB1 Addenda

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)
1-CVCH-123	NA	NA	NA	NA	UN-KNOWN	REPLACE-MENT	No
1-CVCH-57	NA	NA	NA	NA	UN-KNOWN	REPLACE-MENT	No
1-CVCH-107	NA	NA	NA	NA	UN-KNOWN	REPLACE-MENT	No
47B400-524-11	NA	NA	NA	NA	UN-KNOWN	REPLACE-MENT	No

7. Description of Work MODIFIED SUPPORTS DUE TO REVISED PIPING ANALYSIS AND DELETED SUPPORT 1-CVCH-57.

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 8 1/2 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  
Owner or Owner's Designee, Title

Date 2 JANUARY, 19 96

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 AW I  
National Board, State, Province, and Endorsements

Date 1-4, 19 96

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

1. Owner TVA Nuclear Power Group Date 8-31-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Address Sheet 41 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address WR C206900/DCN M11486  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Chemical & Volume Control, System 062
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-CVCH-487	TVA	N/A	N/A	3" dia.	Unknown	Replacement	No
1-CVCH-488	TVA	N/A	N/A	3" dia.	Unknown	Replacement	No
1-CVCH-490	TVA	N/A	N/A	3" dia.	Unknown	Replacement	No
1-CVCH-509	TVA	N/A	N/A	2" dia.	Unknown	Replacement	No
1-CVCH-496	TVA	N/A	N/A	3" dia.	Unknown	Replacement	No

7. Description of Work Modified supports due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  RAI Nominal Operating Pressure   
 Other  Pressure A psi 8-31-95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" & 3" dia. pipe, ASME Class 2  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Lardis Mech Engr. Date August 31 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described

in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom J. Smith Commissions 3321 Tom 9/12/95  
Inspector's Signature TN 3332 NJ National Board, State, Province, and Endorsements

Date 9/12 19 95

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

1. Owner TVA Nuclear Power Group Date 8-31-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 42 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C206900/DCN M11486  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical & Volume Control, System 062
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-CVCH-538	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No
47A406-3-6	TVA	N/A	N/A	3" dia.	Unknown	Replacement	No

7. Description of Work Modified supports due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic RAF  Nominal Operating Pressure   
 Other  Pressure 8-31-95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

8. Remarks 3" & 8" dia. pipe, ASME Class 2  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger G. Lardis, Mech Engr Date August 31 19 95  
Owner or Owner's Designer, 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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described

in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom G. Lardis Commissions TN 3301 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/12/95 19 \_\_\_\_\_

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

1. Owner TVA Nuclear Power Group Date 8-31-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 43 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C206900/DCN M11486  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Containment Spray, System 072
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-CSH-423	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No
1-CSH-470	TVA	N/A	N/A	8" dia.	Unknown	Replacement <sup>RAJ</sup>	<del>No</del> <sup>9-12-95</sup>
47A437-4-3	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No
1-CSH-67	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No
1-CSH-454	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No

7. Description of Work Modified supports due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  <sup>RAJ</sup> 8-31-95 Nominal Operating Pressure   
 Other  Pressure RAJ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 8" dia. pipe, ASME Class 2  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Lardis, Mech Engr Date August 31 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described

in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom W. McA... Commissions TW 5321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/12 19 95

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

1. Owner TVA Nuclear Power Group Date 8-31-95  
 Name 1101 Market Street, Chattanooga, TN 37402 Sheet 44 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name P. O. Box 2000, Soddy-Daisy TN 37379 WR C206900/DCN M11486  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Safety Injection, System 063
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-SIH-448	TVA	N/A	N/A	8" dia.	Unknown	Replacement	No
1-SIH-459	TVA	N/A	N/A	4" dia.	Unknown	Replacement	No

7. Description of Work Added stiffener plates and structural members due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  N RAI 8-31-95 Nominal Operating Pressure   
 Other  Pressure A psi Test Temp.   °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 5 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 4" & 8" dia. pipe, ASME Class 2  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Regis G. Fardis, Mech Engr. Date August 31, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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 Tom McA... Commissions 3301 TN 9/12/95  
TN 2232 ANI  
National Board, State, Province, and Endorsements

Date 9/12 19 95

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95

Sheet 45 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1

WRC 217252  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SECT III 19 74 Edition, 574 Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W81 Addenda

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 CARTRIDGE SEAL	WESTINGHOUSE	2027	NA	NA	UNKNOWN	REPLACED	NO

7. Description of Work REPLACED RCP#4 CARTRIDGE SEAL ASSEMBLY.

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 8 1/2 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 31 DECEMBER 19 95  
 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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 A2I  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street <sup>Plant</sup>  
Chattanooga, TN 37402-2801 Address Sheet 46 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 <sup>Name</sup>  
Soddy-Daisy, TN 37379 Address WR C 221140  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 <sup>Name</sup> Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System REACTOR COOLANT
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 19 80 W81 Addenda
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>REACTOR COOLANT PIPING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED INLET FLANGE NUTS ON 1-PCV-68-334.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA 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  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 47 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C22140  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of REACTOR COOLANT (68)

5. (a) Applicable Code Section ASME SEC III 19 80 Edition, W80 Addenda, NA Code Case  
 (b) Applicable Edition of Section ASME SEC III Utilized for Repairs or Replacements 19 80 W81 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-PCV-68-334	TARGET ROCK	9	NA	NA	1985	REPLACED	YES

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 K. P. Wilson, MECH ENGR  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom G. McArthur  
Inspector's Signature

Commissions TN 3321 ANI  
National Board, State, Province, and Endorsements

Date 1-11, 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street  
Chattanooga, TN 37402-2801 Address Sheet 48 of 79

2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
TVA Repair Organization P.O. No., Job No., etc. WR C 221141

3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SECTION III 19 80 Edition, W80 Addenda NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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>1-PCV-68-340A</u>	<u>TARGET ROCK</u>	<u>7</u>	<u>NA</u>	<u>NA</u>	<u>1983</u>	<u>REPLACED</u>	<u>YES</u>

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.

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 8 1/2 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  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
Sheet 49 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C221141  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System REACTOR COOLANT

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 80 W81 Addenda

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>REACTOR COOLANT PIPING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED INLET FLANGE NUTS TO 1-PCV-68-340A.

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 8 1/2 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  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321  
National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 9-17-95

Sheet 50 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1

WR C 221180  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System CHEMICAL VOLUME AND CONTROL

5. (a) Applicable Construction Code SEE REMARKS 19 19 Edition, SEE Addenda, SEE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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)
VALVE I-LCV-62-135	ANCHOR DARLING	NA	NA	NA	UN-KNOWN	REPAIRED AND REPLACED	NO

7. Description of Work REPLACED BONNET STUDS AND NUTS. INSTALLED SEAL WELD BETWEEN BODY AND BONNET.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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  
WESTINGHOUSE E-SPEC 678765 AND 678258.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE** REPAIR AND  
REPLACEMENT

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 K. Peterson, MECH ENGR Date 17 SEPTEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

K. Peterson Commissions TN 3142  
Inspector's Signature National Board, State, Province, and Endorsements

Date Sept. 21 1995

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

1. Owner TVA-Nuclear Power Group Date 1-6-96  
1101 Market Street  
Chattanooga, TN 37402-2801 Address Sheet 51 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WR C 221695  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA  
Address
4. Identification of System MAIN STEAM
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 19 80 W81 Addenda

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>PIPE SUPPORT</u> <u>47A400-16-65</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED SNUBBER AND SNUBBER FRONT END MOUNTING BOLTS.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

TVA-Nuclear Power Group  
1001 Market Street  
Baltimore, MD 21202

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be attached  
B.O. Box 5005  
Soddy-Daisy, TN 37577

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 R. D. [Signature] Mech ENGR Date 6 JANUARY 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAnern Commissions TN 3321 A-2  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 1-2-96  
Sheet 52 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C245321  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SECT III 19 68 Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WB1 Addenda, CODE CASE N-389

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>STEAM GENERATOR 1</u>	<u>WESTINGHOUSE</u>	<u>1221</u>	<u>68-58</u>	<u>NA</u>	<u>1971</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work INSTALLED 2 TUBE PLUGS BY WELDING FOLLOWING REMOVAL OF TUBES.

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 8 1/2 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 CODE CASE N-389 ALLOWED USE OF ASME SECTION XI  
Applicable Manufacturer's Data Reports to be attached  
1986 EDITION / 1986 ADDENDA FOR FUSION WELDING.

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 William M. MECH ENGR Date 2 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAnen Commissions TN3321 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4, 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801

Date 1-2-96

Sheet 53 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Unit 1

WR C245321  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME Sect III 19 68 Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WB1 Addenda

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>STEAM GENERATOR 1</u>	<u>WESTINGHOUSE</u>	<u>1221</u>	<u>68-58</u>	<u>NA</u>	<u>1971</u>	<u>REPLACED</u>	<u>YES</u>

7. Description of Work PLUGGED 16 TUBES IN THE COLD LEG SIDE AND 14 TUBES IN THE HOT LEG SIDE USING MECHANICAL PLUGS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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  
Owner or Owner's Designee, Title

Date 2 JANUARY, 19 96

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
National Board, State, Province, and Endorsements

Date 1-4, 19 96

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

1. Owner TVA-Nuclear Power Group Date 1-2-96  
1101 Market Street <sup>Name</sup>  
Chattanooga, TN 37402-2801 Address  
 Sheet 55 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 <sup>Name</sup>  
Soddy-Daisy, TN 37379 Address  
WR C245322  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 <sup>Name</sup> Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME SECT III 19 68 Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19\_80\_W81 Addenda
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)
STEAM GENERATOR 2	WESTINGHOUSE	1222	68-59	NA	1971	REPLACED	YES

7. Description of Work PLUGGED 50 TUBES ON HOT LEG SIDE AND 51 TUBES ON COLD LEG SIDE.
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 8 1/2 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 KRUTSON, MECH ENGR Date 2 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McNamee Commissions TD 3521 AWI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 1-2-96  
 Sheet 54 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C245322  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SEC III 19 68 Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 WB1 Addenda, CODE CASE N-389.

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)
STEAM GENERATOR 22	WESTINGHOUSE	1222	68-59	NA	1971	REPAIRED	YES

7. Description of Work INSTALLED A WELDED TUBE PLUG FOLLOWING TUBE REMOVAL AT ROW 15, COLUMN 23 ON HOT LEG SIDE,

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 8 1/2 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 CODE CASE N-389 USED FOR USING ASME SECTION XI,  
1986 EDITION / 1986 APPENDIX FOR FUSION WELDING.  
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 K. P. [Signature], MECH ENGR Date 2 JANUARY, 1996  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McArdon Commissions TN 3121 AWT  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 1-2-96

Sheet 56 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1

WIR C245323  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SECTION III 19 68 Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WB1 Addenda

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>STEAM GENERATOR 3</u>	<u>WESTINGHOUSE</u>	<u>1223</u>	<u>68-60</u>	<u>NA</u>	<u>1971</u>	<u>REPLACED</u>	<u>YES</u>

7. Description of Work PLUGGED 47 TUBES

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psf Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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], Nech ENGR Date 2 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McHenry Commissions TN3321 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 1-2-96  
1101 Market Street Name  
Chattanooga, TN 37402-2801 Address  
 Sheet 57 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
WR C245324  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
 Authorization No. NA  
 Expiration Date NA
4. Identification of System REACTOR COOLANT  
ASME  
 5. (a) Applicable Construction Code SEC III 19 68 Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 WB1 Addenda

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)
STEAM GENERATOR 4	WESTINGHOUSE	1224	68-61	NA	1971	REPLACED	YES

7. Description of Work PLUGGED 50 TUBES.
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 K. D. Wilson, MECH ENGR Date 2 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom B. McAfee Commissions TN 3301 AII  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
Sheet 58 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C 245326  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SECT III 19 74 Edition, 574 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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 CARTRIDGE SEAL	WESTINGHOUSE	2016	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work REPLACED RCP CARTRIDGE SEAL ASSEMBLY AND THE SEAL HOUSING CAP 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 8 1/2 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 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street Name  
Chattanooga, TN 37402-2801 Address  
 Sheet 59 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
WR C245327  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
 Authorization No. NA  
 Expiration Date NA
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME SECT III 19 74 Edition, 574 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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 #3 CARTRIDGE SEAL	WESTINGHOUSE	2184	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work REPLACED RCP#3 CARTRIDGE SEAL ASSEMBLY.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp.   °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 1-6-96  
Sheet 60 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C246034  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ASME SEC III 1968 Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W81 Addenda, CODE CASE N-389

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 PRESSURE VESSEL	ROTTERDAM DOCKYARD COMPANY	30616	NA	NA	1971	REPAIRED	No

7. Description of Work SEE REMARKS

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 8 1/2 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 REPAIRED CANOPY SEAL WELDS AT RPV HEAD LOCATIONS A-5,  
Applicable Manufacturer's Data Reports to be attached  
E-13, & L-13 WHICH HAD CRACKED. THE CANOPY SEAL WELDS  
WERE REPAIRED THROUGH THE USE OF A DESIGNED  
WELD OVERLAY

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 K. P. Wilson, MECH ENGR Date 17 JANUARY, 19 96  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAmen Commissions TN 3521 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-18, 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street Name  
Chattanooga, TN 37402-2801 Address Sheet 61 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WR C247000  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System FEEDWATER
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 19.80 W81 Addenda

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)
VALVE 1-3-508	WALWORTH	NA	NA	NA	UN-KNOWN	REPLACED	No

7. Description of Work REPLACED 2 BONNET STUDS AND HINGE PIN PLUGS
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 8 1/2 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: DRAFT ASME CODE FOR PUMPS  
AND VALVES, 1968 EDITION.  
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 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J McAloon Commissions TN 3991 A & I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95

Sheet 62 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1

NR C247000  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System FEED WATER

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 19 80 W81 Addenda

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>VALVE 1-3-50B</u>	<u>WALWORTH</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPAIRED</u>	<u>NO</u>

7. Description of Work PERFORM BASE METAL REPAIRS BY MACHINING AND WELDING.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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: DRAFT ASME CODE FOR  
PUMPS AND VALVES, 1968 EDITION.  
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 V. D. Johnson, MECH ENGR Date 31 DECEMBER 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAnan Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801

Date 12-31-95  
Sheet 63 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Unit 1  
WRC 257274  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System SAFETY INJECTION

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 19 80 W81 Addenda

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>1-FCX-63-93</u>	<u>VELAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>
<u>1-FCX-63-94</u>	<u>VELAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACE- MENT</u>	<u>NO</u>

7. Description of Work DRILLED HOLES INTO BONNET TO ACCEPT NEW YOKES SETSCREWS.

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 8 1/2 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  
WESTINGHOUSE E-SPEC 678765 AND 678258.  
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 K. P. [Signature] MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McAloon Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 19 96

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

1. Owner TVA Nuclear Power Group Date 10-4-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 64 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WRC257291/DCN M11527  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A450-20-54	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-22-65	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-22-66	N/A	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Replaced existing snubbers with rigid struts (22-66) & removed deleted supts.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi RAZ Test Temp. \_\_\_\_\_ °F  
10-4-95

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/B2)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" diameter, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Lardis, Mech Engr Date October 4, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Neil F. Jackson Commissions TN 3142  
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct. 6 19 95

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

1. Owner TVA Nuclear Power Group Date 10-4-95  
 Name 1101 Market Street, Chattanooga, TN 37402 Sheet 65 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WRC257291/DCN M11527  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A450-20-6	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-35	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-38	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-39	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-22-64	N/A	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Replaced existing snubbers with rigid struts due to piping reanalysis.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure RAI psi 10-4-95 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" diameter, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Lando, Mech Engr Date October 4, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Neil F. Jackson Commissions TN 3142  
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct. 6 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 66 of 77  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WRC257291/DCN M11527  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Essential Raw Cooling Water, System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A450-23-15	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A053-213	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A053-587	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A053-588	N/A	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Removed deleted support members due to revised piping analysis.
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 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks 2" diameter, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Roger G. Landis, Mech Engr Date October 24 19 95  
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 of Province of Tennessee and employed by Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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.

Tom D. McAdams Commission TN 3321 AWD  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA Nuclear Power Group Date 10-24-95  
 Name \_\_\_\_\_  
1101 Market Street, Chattanooga, TN 37402 Sheet 67 of 79  
 Address \_\_\_\_\_
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name \_\_\_\_\_  
P. O. Box 2000, Soddy-Daisy TN 37379 TVA/WRC257291/DCN M11527  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name \_\_\_\_\_ Authorization No. N/A  
P. O. Box 2000, Soddy-Daisy TN 37379 Expiration Date N/A  
 Address \_\_\_\_\_
4. Identification of System Essential Raw Cooling Water System 067
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A450-20-26	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-27	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-28	N/A	N/A	N/A	N/A	Unknown	Replacement	No
47A450-20-29	N/A	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Replaced existing snubbers with rigid struts due to piping reanalysis.
8. Tests Conducted: Hydrostatic  Pneumatic  N  RAI  RAI Nominal Operating Pressure   
 Other  Pressure A psi 10.26 Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 2" diameter, ASME Class 2.  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed Roger G. Fardis, Mech Engr Date October 24, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the components described in this Owner's Report during the period 4-10-94 to 11-11-95 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.

Tom G. McStoner Commissions TN 3321 A I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/26 19 95

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 68 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C265401  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System REACTOR COOLANT

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 19 80 W81 Addenda

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)
VALVE 1-68-563	CROSBY	NA	NA	NA	UN-KNOWN	REPLACED	NO

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA 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  
WESTINGHOUSE E-SPEC 678704 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] MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom G. McAnurn Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
Sheet 69 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C265401  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

4. Identification of System REACTOR COOLANT

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Ca. 1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 Addenda

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>REACTOR COOLANT</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>No</u>
<u>PIPING</u>							

7. Description of Work REPLACED INLET FLANGE BOLTING ON 1-68-563.  
FLANGE NUTS WERE REPLACED.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 31 DECEMBER, 19 95  
Owner or Owner's Designer, 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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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 3521 A-I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801

Date 12-31-95  
 Sheet 70 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37379

Unit 1  
WR C265402  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000  
Soddy-Daisy, TN 37379

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System REACTOR COOLANT

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 1980 WB1 Addenda

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>VALVE 1-GB-564</u>	<u>CROSBY</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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-SPEC 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 K. P. [Signature], MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom G. McAfee Commissions TN 3321 A-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street  
Chattanooga, TN 37402-2801

Date 12-31-95

Sheet 71 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Unit 1

WR C265402  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System REACTOR COOLANT

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 19 80 W81 Addenda

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>REACTOR COOLANT PIPING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UN-KATON</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED INLET FLANGE BOLTING TO 1-68-564.

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 8 1/2 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 K. J. Wilson, MECH ENGR  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom D. McLean  
Inspector's Signature

Commissions TN 3331 ANI

National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group  
1101 Market Street Name  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 72 of 79

2. Plant Sequoyah Nuclear Plant  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WR C265403  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System REACTOR COOLANT

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 1980 W81 Addenda

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>REACTOR COOLANT PIPING</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>No</u>

7. Description of Work REPLACED INLET FLANGE NUTS ON 1-68-565.

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 8 1/2 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 VPILIPSON, MECH ENGR  
Owner or Owner's Designee, Title

Date 31 DECEMBER, 19 95

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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J McAnern  
Inspector's Signature

Commissions TN 3301 A-I  
National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street  
Chattanooga, TN 37402-2801 Address Sheet 73 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WR C265403  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System REACTOR COOLANT
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 19 80 W81 Addenda
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>VALVE</u> <u>1-68-565</u>	<u>GROSBY</u>	<u>NA</u> <u>1231-95</u>	<u>NA</u>	<u>NA</u>	<u>UN-</u> <u>KNOWN</u>	<u>REPLACED</u>	<u>NO</u>
		<u>KV-1-</u> <u>8010A</u>					

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.
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 8 1/2 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-SPEC 078764 AND 076279.

**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 K. R. LUTSON, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAnam Commissions TN 3321 ASIT  
Inspector's Signature National Board, State, Province, and Endorsements  
Tom 1-24-96

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street Name  
Chattanooga, TN 37402-2801 Address  
 Sheet 74 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
WR C 265408  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address  
 Authorization No. NA  
 Expiration Date NA
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 19 80 W81 Addenda

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)
VALVE 1-62-636	CROSBY	NG9903 00-0006	NA	NA	UN-KNOWN	Replaced	No

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.
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 8 1/2 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  
WESTINGHOUSE E-SPEC 678758 AND 676257.  
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 M. Mech ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. McAdams Commissions TN 3321 A2I  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 12-31-95  
1101 Market Street  
Chattanooga, TN 37402-2801 Address Sheet 75 of 79
2. Plant Sequoyah Nuclear Plant Unit 1  
P.O. Box 2000 Name  
Soddy-Daisy, TN 37379 Address WRC 265413  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
P.O. Box 2000 Name Authorization No. NA  
Soddy-Daisy, TN 37379 Address Expiration Date NA
4. Identification of System RESIDUAL HEAT REMOVAL
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 19 80 W81 Addenda
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>VALVE</u> <u>1-74-505</u>	<u>CROSBY</u>	<u>RV-2-</u> <u>8708</u>	<u>NA</u>	<u>NA</u>	<u>UN-</u> <u>KNOWN</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED EXISTING VALVE WITH A SPARE.
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 8 1/2 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  
WESTINGHOUSE E-SPEL 678758 AND 676257.  
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 V. P. Wilson, MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tim D. McAnam Commissions TN 5321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 96

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

1. Owner TVA-Nuclear Power Group Date 9-17-95  
Name  
1101 Market Street  
Address Chattanooga, TN 37402-2801 Sheet 76 of 79
2. Plant Sequoyah Nuclear Plant Unit 0  
Name  
P.O. Box 2000  
Address Soddy-Daisy, TN 37379 WIR C 266502  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp NA  
Name  
P.O. Box 2000 Authorization No. NA  
Address Soddy-Daisy, TN 37379 Expiration Date NA
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME SECTION III 19 80 Edition, W 1980 Addenda, --- Code Case  
 (b) Applicable Edition of Section XI Utilize for Repairs or Replacements 19 80 W81 Addenda
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>PRESSURIZER POWER OPERATED</u>	<u>TARGET ROCK</u>	<u>7</u>	<u>NA</u>	<u>NA</u>	<u>1983</u>	<u>REPAIRED</u>	<u>YES</u>
<u>RELIEF VALVE</u>	<u>TARGET ROCK</u>	<u>9</u>	<u>NA</u>	<u>NA</u>	<u>1985</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work REPAIRED WELDED CANOPY SEAL WELD AFTER PERFORMING MAINTENANCE. VALVES ARE SPARES
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. --- °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 K. R. Williams, MECH ENGR Date 17 SEPTEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom O. McAdams Commissions TN 3331 AN I  
Inspector's Signature National Board, State, Province, and Endorsements

Date Sept 23, 19 95

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

1. Owner TVA Nuclear Power Group Date 10-23-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 77 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C303984/DCN M10298  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System 003
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-AFDH-297	TVA	N/A	N/A	N/A	Unknown	Replacement	No
1-AFDH-304	TVA	N/A	N/A	N/A	Unknown	Replacement	No
1-AFDH-364	TVA	N/A	N/A	N/A	Unknown	Replacement	No
1-AFDH-368	TVA	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Modified supports due to revised piping analysis.
8. Tests Conducted: Hydrostatic  Pneumatic  Other  Pressure 10-23-95 Nominal Operating Pressure  Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks 4" dia. pipe, ASME Class 2  
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 NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed Roger A. Landis Mech Engr Date October 23, 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 8-20-94 to 11-11-95, 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.

Tom J. McAvoy Commissions TN 3321 ANI  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/24/95 19 95

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

1. Owner TVA Nuclear Power Group Date 10-23-95  
 Name  
1101 Market Street, Chattanooga, TN 37402 Sheet 78 of 79  
 Address
2. Plant Sequoyah Nuclear Plant Unit 1  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 WR C303988/DCN M11514  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By TVA Type Code Symbol Stamp N/A  
 Name  
P. O. Box 2000, Soddy-Daisy TN 37379 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Steam, System 001
5. (a) Applicable Construction Code \*\* 19 \*\* Edition, \*\* Addenda, \*\* Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Information	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-4	Atwood-Morrill	N/A	N/A	N/A	Unknown	Replacement	No
1-FCV-11	Atwood-Morrill	N/A	N/A	N/A	Unknown	Replacement	No
1-FCV-22	Atwood-Morrill	N/A	N/A	N/A	Unknown	Replacement	No
1-FCV-29	Atwood-Morrill	N/A	N/A	N/A	Unknown	Replacement	No

7. Description of Work Modified FCVs to make them bi-directional, thereby alleviating the need for check valves and replaced damaged bonnet studs.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 150 psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks 32" dia. pipe, ASME Class 2.  
Applicable Manufacturer's Data Reports to be attached  
\*\*Draft ASME Code for Pumps and Valves for Nuclear Power (November, 1968) and the March, 1970 Addenda minus Stamping. Plus Radiographic Examination of the Valve Body Castings to Paragraph 314.5.1 of the March Addenda for Class 2 valve.

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 NONE

Certificate of Authorization No. N/A Expiration Date N/A  
Signed [Signature] MESH ENGR Date 31 DECEMBER 19 95  
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 Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95 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 3321 A-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-8 19 96

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

1. Owner TVA-Nuclear Power Group  
Name  
1101 Market Street  
Chattanooga, TN 37402-2801  
Address

Date 12-31-95  
 Sheet 79 of 79

2. Plant Sequoyah Nuclear Plant  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Unit 1  
WRC 303988 / DWM 11514  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000  
Soddy-Daisy, TN 37379  
Address

Type Code Symbol Stamp NA  
 Authorization No. NA  
 Expiration Date NA

4. Identification of System MAIN STEAM (01)

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 19 80 W81 Addenda

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)
I-FCY-1-4	ATWOOD-MORRILL	NA	NA	NA	UN-KNOWN	REPAIRED	No
I-FCY-1-11	ATWOOD-MORRILL	NA	NA	NA	UN-KNOWN	REPAIRED	No

7. Description of Work REPAIRED INDICATIONS FOUND IN VALVE BODY.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 32" φ, ASME CLASS 2

Applicable Manufacturer's Data Reports to be attached  
CONSTRUCTION CODE: DRAFT ASME CODE FOR PUMPS AND VALVES,  
(68 EDITION WITH MARCH 70 ADDENDA)

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 Kenneth P. [Signature], MECH ENGR Date 31 DECEMBER, 19 95  
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 Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 4-20-94 to 11-11-95, 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.

Tom J. [Signature] Commissions TN 3321 A-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-8 19 96