

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

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

Enclosed is Sequoyah's U2C10 ISI Summary Report for the American Society of Mechanical Engineers (ASME) Section XI ISI and augmented nondestructive examination results that were performed from May 11, 2000 to November 14, 2000. The report contains the NIS-1 Owners Data Report that is divided into Appendix A (Steam Generator Tubing Inspection results), Appendix B (NIS-2 Owners Data Report for repairs and replacements), Appendix C (Pressure Test Report), and Appendix D (IWE Metal Containment Evaluations).

Please direct questions concerning this issue to me at (423) 843-7170 or J. D. Smith at (423) 843-6672.

Dennis L. Koehl

Enclosure  
cc: See page 2

AD47

U.S. Nuclear Regulatory Commission  
Page 2  
February 6, 2001

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
SEQUOYAH NUCLEAR PLANT  
UNIT 2

UNIT 2 CYCLE 10  
90-DAY  
INSERVICE INSPECTION  
SUMMARY REPORT

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

# ASME SECTION XI

## INSERVICE INSPECTION SUMMARY REPORT FOR SEQUOYAH NUCLEAR PLANT

### UNIT 2 CYCLE 10

DATE OF COMPLETION OF REPORT JANUARY 23, 2001

PREPARED BY Jeffery C. Boulant  
SYSTEM ENGINEER, COMPONENT (ISI)

REVIEWED BY Jeffery C. Boulant FOR JOEL W. WHITAKER  
PER TELECON  
ISO NDE LEVEL III

REVIEWED BY Robert E. Hardaway FOR Gary Wade  
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REVIEWED BY Jeffery C. Boulant FOR JERRY K. McCLANAHAN  
PER TELECON  
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APPROVED BY G. Buchanan  
COMPONENT ENGINEERING MANAGER

APPROVED BY [Signature]  
SITE ENGINEERING MANAGER



OWNER : TENNESSEE VALLEY AUTHORITY  
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## INTRODUCTION / SUMMARY OF INSERVICE EXAMINATIONS

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

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

### Introduction:

The code of record for the second inspection interval which began December 16, 1995 is the 1989 Edition of the ASME Boiler and Pressure Vessel Code, Section XI, Division 1.

The Unit 2 Cycle 10 inservice examinations were performed during the period from May 11, 1999 to November 14, 2000. This report also includes preservice examinations on class 1 and 2 components. This report also includes repair and replacements (NIS-2 Forms) performed from May 11, 1999 to November 14, 2000. The Unit 2 Cycle 10 Refueling Outage began when the generator was taken off line on October 22, 2000. The outage was completed on November 14, 2000, when the generator was tied to the power grid. The inservice examinations were performed to the implementing plant Surveillance Instruction 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2". The steam generator eddy current examinations are discussed in Appendix A, repairs and replacements are discussed in Appendix B, pressure tests are discussed in Appendix C, and the IWE metal containment evaluations are discussed in Appendix D. Examinations performed during this cycle satisfy the inspection requirements for the second outage of the second period of the second 10 year interval as defined in the 0-SI-DXI-000-114.2.

The Authorized Inspection Agency (AIA), Hartford Steam Boiler Inspection and Insurance Company, provided the following ANIIs:

Michael Lockwood and Lawrence Selensky  
Hartford Steam Boiler Inspection and Insurance Company  
200 Ashford Center North, Suite 300  
Atlanta, Georgia 30338-4860

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### Summary :

Unit 2 Cycle 10 was the second scheduled refueling outage during the second inspection period of the second Ten Year ISI interval. Class 1 and 2 components were examined in accordance with 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2". A summary listing of examinations performed for code credit are listed in **SECTION 1**. The examinations were performed to TVA procedures. The class 1 and 2 components examined and results for this inservice inspection outage are listed in **SECTION 2**. There were two Notice of Indications generated for ASME Section XI, Class 1 and 2 examinations. See **SECTION 3** for Notice of Indications summary. See **SECTION 4** for additional samples. See **SECTION 5** for successive examinations. No regulatory augmented examinations were performed which required submittal to the regulatory authorities (Reference **SECTION 6**). There were no new ASME Class 1, 2, or 3 equivalent components for which examination results required acceptance by analytical evaluation (IWB-3132.4, IWB-3142.4, IWC-3122.4, IWC-3132.4 or IWD-3000) (Reference **SECTION 7**). There were six ISI components and three PSI components that did not receive code examination coverage (see **SECTION 8**).

For Unit 2 Cycle 10 steam generator tubing eddy current examinations results and number of tubes examined see **Appendix A**.

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

For Unit 2 Cycle 10 system pressure test results see **Appendix C**.

For Unit 2 Cycle 10 IWE metal containment evaluations see **Appendix D**.

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## SECTION 1

### EXAMINATION SUMMARY

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

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## EXAMINATION CREDIT SUMMARY

The completion of examinations as required by the inspection plan for the second outage of the second period of the second interval is on schedule.

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## EXAMINATION CREDIT SUMMARY

### ASME SECTION XI EXAMINATIONS FOR THE SECOND OUTAGE (U2C10) OF THE SECOND PERIOD OF THE SECOND TEN-YEAR INSPECTION INTERVAL

CATEGORY	TOTAL NUMBER REQUIRED FOR INTERVAL	TOTAL NUMBER CREDITED FOR THE INTERVAL	TOTAL NUMBER REQUIRED FOR SECOND PERIOD	TOTAL NUMBER CREDITED FOR THE SECOND PERIOD (U2C9 and U2C10)	TOTAL NUMBER CREDITED FOR U2C10 OF THE SECOND PERIOD	EXCLUSIONS EXCEPTIONS OR DEFERRALS
B-A	14	1 see note 1	½	½	½	deferral permissible
B-B	5	1	2	0	0	
B-D	36	12	6	6	4	Code Case N-521
B-E	115	0	0	0	0	deferral permissible
B-F	22	4	5	0	0	Code Case N-521
B-G-1	RV (216) RCP (24)	RV (144)	RV (72)	RV (72)	RV (54)	RCP only when B-L-2 examination performed
B-G-2	PZR (1) SG (2) RCP (2) Valves (6) Piping (13)	PZR (1) SG (1) RCP (0) Valves (3) Piping (7)	PZR (1) SG (0) RCP (0) Valves (1) Piping (4)	PZR (1) SG (0) RCP (0) Valves (1) Piping (4)	PZR (0) SG (0) RCP (0) Valves (1) Piping (0)	RCP and valves only when B-L-2 or B-M-2 examination performed
B-H, see B-K of Code Case N-509						
B-J	249  see note 7	79  see note 8	83	0	0	no examinations scheduled this outage

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**EXAMINATION CREDIT SUMMARY**  
**ASME SECTION XI EXAMINATIONS FOR THE SECOND**  
**OUTAGE (U2C10) OF THE SECOND PERIOD OF THE SECOND TEN-YEAR**  
**INSPECTION INTERVAL**  
(continued)

CATEGORY	TOTAL NUMBER REQUIRED FOR INTERVAL	TOTAL NUMBER CREDITED FOR THE INTERVAL	TOTAL NUMBER REQUIRED FOR SECOND PERIOD	TOTAL NUMBER CREDITED FOR THE SECOND PERIOD (U2C9 and U2C10)	TOTAL NUMBER CREDITED FOR U2C10 OF THE SECOND PERIOD	EXCLUSIONS EXCEPTIONS OR DEFERRALS
B-K-1, see B-K of Code Case N-509						
B-K of Code Case N-509	8	4 see note 5	3	2	0	
B-L-1	N/A					
B-L-2	1	0	0	0	0	deferral permissible: examine only if pump disassembled
B-M-1	N/A					
B-M-2	6	3	deferral permissible: examine only if valve disassembled	1	1	deferral permissible: examine only if valve disassembled
B-N-1	1 each period	1-first period 1-second period	1	1	1	
B-N-2	6	0	0	0	0	deferral permissible
B-N-3	1	0	0	0	0	deferral permissible



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# **EXAMINATION CREDIT SUMMARY** **ASME SECTION XI EXAMINATIONS FOR THE SECOND** **OUTAGE (U2C10) OF THE SECOND PERIOD OF THE SECOND TEN-YEAR** **INSPECTION INTERVAL**

(continued)

CATEGORY	TOTAL NUMBER REQUIRED FOR INTERVAL	TOTAL NUMBER CREDITED FOR THE INTERVAL	TOTAL NUMBER REQUIRED FOR SECOND PERIOD	TOTAL NUMBER CREDITED FOR THE SECOND PERIOD (U2C9 and U2C10)	TOTAL NUMBER CREDITED FOR U2C10 OF THE SECOND PERIOD	EXCLUSIONS EXCEPTIONS OR DEFERRALS
B-O	2	0	0	0	0	deferral permissible
B-P, see Appendix C						
B-Q, see Appendix A						
C-A	17	8	5	3	3	
C-B	12	7	5	4	2	
C-C see C-C of Code Case N-509						
C-C of Code Case N-509	29	13	11	7	1	
C-D	1	1	0	0	0	
C-F-1	148 see note 4 and 9	46 see note 6	49	0	0	
C-F-2	29	9	10	0	0	
C-G	N/A					
C-H, see Appendix C						

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**EXAMINATION CREDIT SUMMARY**  
**ASME SECTION XI EXAMINATIONS FOR THE SECOND**  
**OUTAGE (U2C10) OF THE SECOND PERIOD OF THE SECOND TEN-YEAR**  
**INSPECTION INTERVAL**

(continued)

CATEGORY	TOTAL NUMBER REQUIRED FOR INTERVAL	TOTAL NUMBER CREDITED FOR THE INTERVAL	TOTAL NUMBER REQUIRED FOR SECOND PERIOD	TOTAL NUMBER CREDITED FOR THE SECOND PERIOD (U2C9 and U2C10)	TOTAL NUMBER CREDITED FOR U2C10 OF THE SECOND PERIOD	EXCLUSIONS EXCEPTIONS OR DEFERRALS
F-A see F-A of Code Case N-491						
F-A of Code Case N-491	198 * *Class 1 and 2 only see note 2	123 see note 3	70	67	4	

Notes:

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

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**EXAMINATION CREDIT SUMMARY**  
**ASME SECTION XI EXAMINATIONS FOR THE SECOND**  
**OUTAGE (U2C10) OF THE SECOND PERIOD OF THE SECOND TEN-YEAR**  
**INSPECTION INTERVAL**

(continued)

7. Piping modification in the second period added 11 B-J welds to the total number required for the interval increased from 238 to 249 in the U2C10 report.
8. Due to piping modifications in the second period and the increase in the total number required in B-J for the interval these welds were added over the three periods - (4) first, (2) second, (5) third. The 4 welds in the first period are counted as credit for the interval in the U2C10 report.
9. Due to piping modification in the second period the total number required in C-F-1 increased by one weld for the interval from 147 to 148 in the U2C10 report.

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## EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY

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**EXAMINATION CODE CATEGORY  
AND ITEM NUMBER SUMMARY  
ASME SECTION XI CREDIT UNIT 2 CYCLE 10  
CLASS 1 COMPONENTS**

COMPONENT	EXAM METHOD	CODE CATEGORY	CODE ITEM NUMBER	Sample
Reactor Vessel Head-to-Flange Weld	UT/MT	B-A	B1.40	1/2
Pressurizer Nozzle-to-Vessel Weld	UT	B-D	B3.110	2
Pressurizer Nozzle Inside Radius	UT	B-D	B3.120	2
Reactor Vessel Closure Head Nuts Greater Than 2 Inches in Diameter	MT	B-G-1	B6.10	18
Reactor Vessel Closure Head Studs Greater Than 2 Inches in Diameter When Removed	UT/MT	B-G-1	B6.30	18
Reactor Vessel Closure Washers	VT-1	B-G-1	B6.50	18
RCS Valve Bolting	VT-1	B-G-2	B7.70	1
RCS Valve Exceeding 4 Inches, Body Internal Surface	VT-3	B-M-2	B12.50	1
Reactor Vessel Interior	VT-3	B-N-1	B13.10	1

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**EXAMINATION CODE CATEGORY  
AND ITEM NUMBER SUMMARY  
ASME SECTION XI CREDIT UNIT 2 CYCLE 10  
CLASS 2 COMPONENTS**

COMPONENT	EXAM METHOD	CODE CATEGORY	CODE ITEM NUMBER	Sample
Steam Generator Shell Circumferential Weld	UT	C-A	C1.10	1
RHR Heat Exchanger Shell Circumferential Weld	UT	C-A	C1.10	1
RHR Heat Exchanger Circumferential Weld	UT	C-A	C1.20	1
RHR Heat Exchanger Nozzle Without Reinforcing Plate in Vessels Greater Than ½ Inch Thick	UT/PT	C-B	C2.21	1
CCP Injection Tank/BIT Nozzle Without Reinforcing Plate in Vessels Greater Than ½ Inch Thick	UT/MT	C-B	C2.21	1
FWS Piping Integrally Welded Attachments	MT	C-C	C3.20	1
CVCS Class 2 Supports - Function B	VT-3	F-A	F1.20B	2
SIS Class 2 Supports - Function C	VT-3	F-A	F1.20C	1
Seal Water Heat Exchanger Class 2 Equipment Support	VT-3	F-A	F1.40	1

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EXAMINATION CODE CATEGORY AND ITEM NUMBER SUMMARY ASME SECTION XI CREDIT UNIT 2 CYCLE 10 STEAM GENERATORS				
COMPONENT	EXAM METHOD	CODE CATEGORY	CODE ITEM NUMBER	Sample
TUBING *	ET	B-Q	B16.20	*

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

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**EXAMINATION CODE CATEGORY  
AND ITEM NUMBER SUMMARY  
ASME SECTION XI CREDIT UNIT 2 CYCLE 10  
PRESSURE TESTS**

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

\* See Appendix C for Summary of Pressure Tests.



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**EXAMINATION CODE CATEGORY  
AND ITEM NUMBER SUMMARY  
ASME SECTION XI CREDIT UNIT 2 CYCLE 10  
SUCCESSIVE EXAMINATIONS COMPONENTS**

COMPONENT	EXAM METHOD	CODE CATEGORY	CODE ITEM NUMBER	TOTAL NUMBER EXAMINED
CVCS Class 1 Supports - Function A	VT-3	F-A	F1.10A	4
CVCS Class 1 Supports - Function B	VT-3	F-A	F1.10B	7
CVCS Class 1 Supports - Function D	VT-3	F-A	F1.10D	2
RCS Class 1 Supports - Function B	VT-3	F-A	F1.10B	1
RCS Class 1 Supports - Function C	VT-3	F-A	F1.10C	1
RCS Class 1 Supports - Function D	VT-3	F-A	F1.10D	2
SIS Class 1 Supports - Function A	VT-3	F-A	F1.10A	1
SIS Class 1 Supports - Function B	VT-3	F-A	F1.10B	1
SIS Class 1 Supports - Function C	VT-3	F-A	F1.10C	1
RHRS Class 2 Supports - Function C	VT-3	F-A	F1.20C	1
RHRS Class 2 Supports - Function D	VT-3	F-A	F1.20D	1
SIS Class 2 Supports - Function A	VT-3	F-A	F1.20A	1
SIS Class 2 Supports - Function B	VT-3	F-A	F1.20B	3
SIS Class 2 Supports - Function D	VT-3	F-A	F1.20D	1

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## SECTION 2

### EXAMINATION PLAN (POST OUTAGE INSERVICE AND PRESERVICE REPORTS)

OWNER : TENNESSEE VALLEY AUTHORITY 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402-2801	PLANT : SEQUOYAH NUCLEAR PLANT P.O. BOX 2000 SODDY DAISY, TENNESSEE 37384-2000
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This Section contains a standardized Post Outage Reports to satisfy the reporting requirements of IWA-6000 of the ASME Section XI Code. These reports contains the inservice and preservice inspection data for class 1 and 2 components defined in 0-SI-DXI-000-114.2, "ASME Section XI ISI/NDE Program Unit 1 and Unit 2".

For Unit 2 Cycle 10 steam generator tubing eddy current examinations eddy current results and number of tubes examined see **Appendix A**.

For Unit 2 Cycle 10 system pressure testing results see **Appendix C**.

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## POST OUTAGE INSERVICE REPORT

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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
RV	W08-09B	ISI-0301-C-01	B-A	B1.40	MT	N-MT-6		20001031	R-6269	Passed		
RV	W08-09B	ISI-0301-C-01	B-A	B1.40	UT	N-UT-9	SQ-46	20001031	R-6343	Passed		66.6% EXAMINATION COVERAGE ACHIEVED
PZR	RCW-16	ISI-0396-C-01	B-D	B3.110	UT	N-UT-19	BNP-79	20001031	R-6315	Passed		68.8% EXAMINATION COVERAGE ACHIEVED
PZR	RCW-17	ISI-0396-C-01	B-D	B3.110	UT	N-UT-19	BNP-79	20001031	R-6316	Passed		68.8% EXAMINATION COVERAGE ACHIEVED
PZR	RCW-16-IR	ISI-0396-C-01	B-D	B3.120	UT	N-UT-55	SQ-77	20001031	R-6318	Passed		
PZR	RCW-17-IR	ISI-0396-C-01	B-D	B3.120	UT	N-UT-55	SQ-77	20001031	R-6317	Passed		
RV	RVNUT-19	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-20	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-21	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-22	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-23	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-24	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-25	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-26	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-27	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-28	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-29	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-30	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-31	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-32	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-33	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-34	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-35	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVNUT-36	ISI-0304-C-01	B-G-1	B6.10	MT	N-MT-6		20001029	R-6266	Passed		COIL TECHNIQUE
RV	RVSTUD-19	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-19	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-20	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-20	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-21	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-21	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-22	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
RV	RVSTUD-22	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-23	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-23	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-24	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-24	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-25	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-25	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-26	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-26	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-27	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-27	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-28	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-28	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-29	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-29	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-30	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-30	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-31	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-31	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-32	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-32	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-33	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-33	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-34	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-34	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-35	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-35	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVSTUD-36	ISI-0304-C-01	B-G-1	B6.30	MT	N-MT-6		20001029	R-6265	Passed		
RV	RVSTUD-36	ISI-0304-C-01	B-G-1	B6.30	UT	N-UT-67	SQ-102	20001028	R-6267	Passed		
RV	RVWASHER-19	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-20	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-21	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		

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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
RV	RVWASHER-22	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-23	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-24	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-25	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-26	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-27	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-28	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-29	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-30	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-31	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-32	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-33	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-34	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-35	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RV	RVWASHER-36	ISI-0304-C-01	B-G-1	B6.50	VT-1	N-VT-1		20001029	R-6264	Passed		
RCS	68-563-BC	ISI-0013-C-03	B-G-2	B7.70	VT-1	N-VT-1		19991025	R-6152	Passed		
RCS	68-563	ISI-0013-C-03	B-M-2	B12.50	VT-3	N-VT-1		19991025	R-6152	Passed		
RV	RVINT	ISI-0298-C-03	B-N-1	B13.10	VT-3	N-VT-8		20001102	R-6297	Passed		Remote VT
RHRS	RHRW-16-A	ISI-0289-C-01	C-A	C1.10	UT	N-UT-18	SQ-15	20001012	R-6195	Passed		
SG	SGW-D1	ISI-0401-C-01	C-A	C1.10	UT	N-UT-19	WB-39	20001030	R-6342	Passed		25.7% EXAMINATION COVERAGE ACHIEVED
RHRS	RHRW-17-A	ISI-0289-C-01	C-A	C1.20	UT	N-UT-18	SQ-15	20001012	R-6197	Passed		
RHRS	RHRW-15-A	ISI-0289-C-01	C-B	C2.21	PT	N-PT-9		20001010	R-6176	Passed		
RHRS	RHRW-15-A	ISI-0289-C-01	C-B	C2.21	UT	N-UT-18	SQ-15	20001012	R-6196	Passed		39% EXAMINATION COVERAGE ACHIEVED
SIS	BIT-5	ISI-0074-C-01	C-B	C2.21	MT	N-MT-6		20001003	R-6172	Passed		
SIS	BIT-5	ISI-0074-C-01	C-B	C2.21	UT	N-UT-19	BNP-79	20001002	R-6188	Passed		67% EXAMINATION COVERAGE ACHIEVED
FWS	2-FDH-326-IA	MSG-0016-C-01	C-C	C3.20	MT	N-MT-6		20001028	R-6244	Passed		
CVCS	2-CVCH-548	ISI-0449-C-33	F-A	F1.20B	VT-3	N-VT-1		20001016	R-6194	Passed		WRC424266; Saddles in sleeve
CVCS	2-CVCH-583	ISI-0449-C-29	F-A	F1.20B	VT-3	N-VT-1		20001010	R-6183	Passed		
SIS	2-SIH-466	ISI-0449-C-02	F-A	F1.20C	VT-3	N-VT-1		20001003	R-6165	Engineering 2-SQ-342		Setting: 7/16"-11/16" 880#-972#
CVCS	SWHXH-1	ISI-0461-C-01	F-A	F1.40E1	VT-3	N-VT-1		20001029	R-6258	Passed		

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## POST OUTAGE PRESERVICE REPORT



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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT P08-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
RCS	RCS-094-BC	ISI-0013-C-03	B-G-2	B7.50	VT-1	N-VT-1		20001030	R-6262	Passed		INSPECTED ONE NUT
RCP	RCP2CSABLT-01	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-02	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-03	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-04	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-05	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-06	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-07	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP2CSABLT-08	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6221	Passed		
RCP	RCP4CSABLT-01	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-02	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-03	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-04	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-05	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-06	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-07	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCP	RCP4CSABLT-08	ISI-0307-C-01	B-G-2	B7.60	VT-1	N-VT-1		20001026	R-6222	Passed		
RCS	68-563-BC	ISI-0013-C-03	B-G-2	B7.70	VT-1	N-VT-1		19991124	R-6153	Passed		EXAMINED ON 7/21/98, WORK ORDER REVIEWED ON 11/24/99
RCS	68-564-BC	ISI-0013-C-03	B-G-2	B7.70	VT-1	N-VT-1		20001030	R-6344	Passed		THIS VALVE EXAMINED ON 7/18/98. INSTALLED DURING U2C10 ON 10/30/00.
SIS	63-559-BC	ISI-0002-C-07	B-G-2	B7.70	VT-1	N-VT-1		20001030	R-6263	Passed		SERIAL NO. 962080
SIS	SIF-198	ISI-0002-C-07	B-J	B9.11	UT	N-UT-64	SQ-01	20001102	R-6319	Passed		50% EXAMINATION COVERAGE ACHIEVED
SIS	SIF-198	ISI-0002-C-07	B-J	B9.11	PT	N-PT-9		20001031	R-6348	Passed		
SIS	SIF-198B	ISI-0002-C-07	B-J	B9.11	UT	N-UT-64	SQ-01	20001027	R-6247	Passed		50% EXAMINATION COVERAGE ACHIEVED
SIS	SIF-198B	ISI-0002-C-07	B-J	B9.11	PT	N-PT-9		20001026	R-6256	Passed		
SIS	SIF-198C	ISI-0002-C-07	B-J	B9.11	PT	N-PT-9		20001026	R-6219	Passed		
SIS	SIF-198C	ISI-0002-C-07	B-J	B9.11	UT	N-UT-64	SQ-01	20001027	R-6248	Passed		50% EXAMINATION COVERAGE ACHIEVED
SIS	SIF-198D	ISI-0002-C-07	B-J	B9.11	UT	N-UT-64	SQ-01	20001027	R-6249	Passed		
SIS	SIF-198D	ISI-0002-C-07	B-J	B9.11	PT	N-PT-9		20001022	R-6254	Passed		
SIS	SIF-198E	ISI-0002-C-07	B-J	B9.32	PT	N-PT-9		20001022	R-6255	Passed		
RHRS	SI-2122A	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6308	Passed		
RHRS	SI-2122B	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6309	Passed		

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT P08-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
RHRS	SI-2122C	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6310	Passed		
RHRS	SI-2122D	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6311	Passed		
RHRS	SI-2190A	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6304	Passed		
RHRS	SI-2190B	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6305	Passed		
RHRS	SI-2190C	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6306	Passed		
RHRS	SI-2190D	ISI-0003-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6307	Passed		
SIS	SI-1137A	ISI-0002-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6289	Passed		
SIS	SI-1137B	ISI-0002-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6290	Passed		
SIS	SI-1137C	ISI-0002-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6291	Passed		
SIS	SI-1137D	ISI-0002-C-08	B-J	B9.40	PT	N-PT-9		20001026	R-6292	Passed		
SIS	SI-1829A	ISI-0002-C-09	B-J	B9.40	PT	N-PT-9		20001026	R-6285	Passed		
SIS	SI-1829B	ISI-0002-C-09	B-J	B9.40	PT	N-PT-9		20001026	R-6286	Passed		
SIS	SI-1829C	ISI-0002-C-09	B-J	B9.40	PT	N-PT-9		20001026	R-6287	Passed		
SIS	SI-1829D	ISI-0002-C-09	B-J	B9.40	PT	N-PT-9		20001026	R-6288	Passed		
SIS	SI-1886A	ISI-0002-C-10	B-J	B9.40	PT	N-PT-9		20001031	R-6335	Passed		
SIS	SI-1886B	ISI-0002-C-10	B-J	B9.40	PT	N-PT-9		20001031	R-6336	Passed		
SIS	SI-1886C	ISI-0002-C-10	B-J	B9.40	PT	N-PT-9		20001031	R-6337	Passed		
SIS	SI-1886D	ISI-0002-C-10	B-J	B9.40	PT	N-PT-9		20001031	R-6338	Passed		
SIS	SI-1910A	ISI-0002-C-11	B-J	B9.40	PT	N-PT-9		20001026	R-6281	Passed		
SIS	SI-1910B	ISI-0002-C-11	B-J	B9.40	PT	N-PT-9		20001026	R-6282	Passed		
SIS	SI-1910C	ISI-0002-C-11	B-J	B9.40	PT	N-PT-9		20001026	R-6283	Passed		
SIS	SI-1910D	ISI-0002-C-11	B-J	B9.40	PT	N-PT-9		20001026	R-6284	Passed		
SIS	SI-1949E	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6293	Passed		
SIS	SI-1949F	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6294	Passed		
SIS	SI-1949G	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6295	Passed		
SIS	SI-1949H	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6296	Passed		
SIS	SI-1980A	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001031	R-6349	Passed		
SIS	SI-1989A	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6298	Passed		
SIS	SI-1989B	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6299	Passed		
SIS	SI-1989C	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6300	Passed		
SIS	SI-1989D	ISI-0002-C-12	B-J	B9.40	PT	N-PT-9		20001026	R-6301	Passed		
SIS	SI-2054A	ISI-0002-C-05	B-J	B9.40	PT	N-PT-9		20001031	R-6331	Passed		

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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT P08-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
SIS	SI-2054B	ISI-0002-C-05	B-J	B9.40	PT	N-PT-9		20001031	R-6332	Passed		
SIS	SI-2054C	ISI-0002-C-05	B-J	B9.40	PT	N-PT-9		20001031	R-6333	Passed		
SIS	SI-2054D	ISI-0002-C-05	B-J	B9.40	PT	N-PT-9		20001031	R-6334	Passed		
SIS	SI-2093A	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6327	Passed		
SIS	SI-2093B	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6328	Passed		
SIS	SI-2093C	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6329	Passed		
SIS	SI-2093D	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6330	Passed		
SIS	SI-2255A	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6323	Passed		
SIS	SI-2255B	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6324	Passed		
SIS	SI-2255C	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6325	Passed		
SIS	SI-2255D	ISI-0002-C-06	B-J	B9.40	PT	N-PT-9		20001031	R-6326	Passed		
SIS	SI-2270A	ISI-0002-C-04	B-J	B9.40	PT	N-PT-9		20001031	R-6339	Passed		
SIS	SI-2270B	ISI-0002-C-04	B-J	B9.40	PT	N-PT-9		20001031	R-6340	Passed		
SIS	SI-2271	ISI-0002-C-04	B-J	B9.40	PT	N-PT-9		20001031	R-6341	Passed		
RCS	68-563	ISI-0013-C-03	B-M-2	B12.50	VT-3	N-VT-1		19991124	R-6154	Passed		
RCS	68-564	ISI-0013-C-03	B-M-2	B12.50	VT-3	N-VT-1		20001030	R-6345	Failed		EXAMINED ON 7/21/98, WORK ORDER REVIEWED ON 11/24/99 THIS VALVE EXAMINED ON 7/18/98. INSTALLED DURING U2C10 ON 10/30/00. SEE RE-EXAM R- 6347
RCS	68-564	ISI-0013-C-03	B-M-2	B12.50	VT-3	N-VT-1		19991026	R-6347	Passed		
SIS	63-559	ISI-0002-C-07	B-M-2	B12.50	VT-3	N-VT-1		20001029	R-6260	Passed		SERIAL NO. 962080
CVCS	CVC-3048C	ISI-0431-C-18	C-F-1	C5.21	PT	N-PT-9		20001010	R-6180	Passed		
CVCS	CVC-3048C	ISI-0431-C-18	C-F-1	C5.21	UT	N-UT-64	SQ-06	20001011	R-6190	Passed		
CVCS	CVC-3048D	ISI-0431-C-18	C-F-1	C5.21	PT	N-PT-9		20001010	R-6181	Passed		
CVCS	CVC-3048D	ISI-0431-C-18	C-F-1	C5.21	UT	N-UT-64	SQ-13	20001011	R-6191	Passed		
CVCS	CVC-3060E	ISI-0431-C-18	C-F-1	C5.21	PT	N-PT-9		20001010	R-6177	Passed		
CVCS	CVC-3060E	ISI-0431-C-18	C-F-1	C5.21	UT	N-UT-64	SQ-06	20001011	R-6192	Passed		
CVCS	CVC-3060F	ISI-0431-C-18	C-F-1	C5.21	PT	N-PT-9		20001010	R-6178	Passed		
CVCS	CVC-3060F	ISI-0431-C-18	C-F-1	C5.21	UT	N-UT-64	SQ-13	20001011	R-6193	Passed		
CVCS	CVC-3048A	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001031	R-6270	Passed		
CVCS	CVC-3048B	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001010	R-6179	Passed		
CVCS	CVC-3048G	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001010	R-6182	Passed		
CVCS	CVC-3048H	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001031	R-6273	Passed		

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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT P08-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
CVCS	CVC-3060C	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001102	R-6320	Passed		
CVCS	CVC-3060D	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001023	R-6199	Passed		
CVCS	CVC-3060I	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001023	R-6198	Passed		
CVCS	CVC-3060J	ISI-0431-C-18	C-F-1	C5.30	PT	N-PT-9		20001102	R-6321	Passed		
CVCS	2-CVCH-364	MSG-0012-C-02	F-A	F1.10D	VT-3	N-VT-1		20001105	R-6350	Passed		
SIS	2-BIH-407	ISI-0449-C-16	F-A	F1.20A	VT-3	N-VT-1		19990802	R-6151	Passed		
RHRH	2-RHRH-454	MSG-0010-C-04	F-A	F1.20B	VT-3	N-VT-1		19990802	R-6150	Passed		
CSS	CSPH-A	ISI-0465-C-01	F-A	F1.40E3	VT-3	N-VT-1		20000814	R-6158	Passed		
CSS	CSPH-B	ISI-0465-C-01	F-A	F1.40E3	VT-3	N-VT-1		20000815	R-6159	Passed		
CVCS	CCPH-2A-A	ISI-0467-C-01	F-A	F1.40E3	VT-3	N-VT-1		20000814	R-6157	Passed		
CVCS	CCPH-2B-B	ISI-0467-C-01	F-A	F1.40E3	VT-3	N-VT-1		20000815	R-6160	Passed		

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

### SECTION 3

## SUMMARY OF NOTIFICATION OF INDICATIONS

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SUMMARY OF NOTIFICATIONS

The Unit 2 Cycle 10 Inservice Inspection of Class 1 and 2 components at Sequoyah Nuclear Plant included a total of two Notification of Indications (NOIs). The following is a listing of the NOIs and a brief summary of the corrective measures taken for each.

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SUMMARY : NOTIFICATION OF INDICATIONS

NOI NUMBER	COMPONENT IDENTIFIER	DISCREPANCY	WORK INSTRUCTION	RE-EXAMINATION
2-SQ-342	2-SIH-466	spring setting and loose bolting (VT-3)	WR# C214032	No re-examination required
DISPOSITION: Acceptance by evaluation per Code Case N-491 paragraph -3122.3.				
2-SQ-345	2-RCH-922	spring setting (VT-3)	N/A	No re-examination required
DISPOSITION: Successive examination, acceptance by evaluation per Code Case N-491 paragraph -3122.3.				

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

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

UNIT : TWO

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## SECTION 4 ADDITIONAL SAMPLES



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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## ADDITIONAL SAMPLE SUMMARY

There were no additional samples required for Unit 2 Cycle 10.

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

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

UNIT : TWO

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## SECTION 5

### SUCCESSIVE EXAMINATIONS

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SUCCESSIVE EXAMINATIONS

COMPONENT	EXAM METHOD	CODE CATEGORY AND ITEM NUMBER	PROGRAM 0-SI-DXI-000-114.2 REFERENCE SECTION	RESULTS
2-CVCH-004	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-013	VT-3	F-A/F1.10A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-016	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-020	VT-3	F-A/F1.10D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-035	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-072	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-075	VT-3	F-A/F1.10A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-076	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
2-CVCH-128	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				

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

## SUCCESSIVE EXAMINATIONS

(continued)

COMPONENT	EXAM METHOD	CODE CATEGORY AND ITEM NUMBER	PROGRAM 0-SI-DXI-000-114.2 REFERENCE SECTION	RESULTS
<b>2-CVCH-130</b>	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-CVCH-349</b>	VT-3	F-A/F1.10D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RCH-019</b>	VT-3	F-A/F1.10A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RCH-027</b>	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RCH-833</b>	VT-3	F-A/F1.10D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RCH-922</b>	VT-3	F-A/1.10C	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RHRH-420</b>	VT-3	F-A/F1.20C	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-RHRH-425</b>	VT-3	F-A/F1.20D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-029</b>	VT-3	F-A/F1.20A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SUCCESSIVE EXAMINATIONS

(continued)

COMPONENT	EXAM METHOD	CODE CATEGORY AND ITEM NUMBER	PROGRAM 0-SI-DXI-000-114.2 REFERENCE SECTION	RESULTS
<b>2-SIH-031</b>	VT-3	F-A/F1.10C	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-038</b>	VT-3	F-A/F1.10A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-045</b>	VT-3	F-A/F1.20B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-079</b>	VT-3	F-A/F1.10B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-450</b>	VT-3	F-A/F1.20D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>2-SIH-455</b>	VT-3	F-A/F1.20B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>47B465-01-004</b>	VT-3	F-A/F1.10D	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>47B406-14-03</b>	VT-3	F-A/F1.10A	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				
<b>47B435-14-004</b>	VT-3	F-A/F1.20B	7.4.2.D	Acceptable
Note: This is the additional preservice examination required per Code Case N-491 paragraph -2220(b)				

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

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

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT S02-02 UNIT: 2 CYCLE: 10 COMMERCIAL SERVICE DATE: JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Category	Item Number	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	NOI Number	Comments
CVCS	2-CVCH-013	MSG-0015-C-01	F-A	F1.10A	VT-3	N-VT-1		20001024	R-6209	Passed		
CVCS	2-CVCH-075	MSG-0015-C-03	F-A	F1.10A	VT-3	N-VT-1		20001024	R-6213	Passed		
CVCS	2-RCH-19	MSG-0012-C-02	F-A	F1.10A	VT-3	N-VT-1		20001023	R-6204	Passed		
CVCS	47B406-14-03	MSG-0015-C-02	F-A	F1.10A	VT-3	N-VT-1		20001101	R-6274	Passed		
SIS	2-SIH-038	MSG-0009-C-05	F-A	F1.10A	VT-3	N-VT-1		20001027	R-6225	Passed		
CVCS	2-CVCH-004	MSG-0015-C-01	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6208	Passed		
CVCS	2-CVCH-016	MSG-0015-C-01	F-A	F1.10B	VT-3	N-VT-1		20001027	R-6224	Passed		Two supports
CVCS	2-CVCH-035	MSG-0015-C-02	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6211	Passed		
CVCS	2-CVCH-072	MSG-0015-C-03	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6212	Passed		
CVCS	2-CVCH-076	MSG-0015-C-03	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6214	Passed		
CVCS	2-CVCH-128	MSG-0015-C-03	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6215	Passed		
CVCS	2-CVCH-130	MSG-0015-C-03	F-A	F1.10B	VT-3	N-VT-1		20001024	R-6216	Passed		
RCS	2-RCH-027	MSG-0013-C-03	F-A	F1.10B	VT-3	N-VT-1		20001023	R-6202	Passed		Prior to shielding
SIS	2-SIH-079	MSG-0009-C-05	F-A	F1.10B	VT-3	N-VT-1		20001027	R-6226	Passed		
RCS	2-RCH-922	MSG-0013-C-02	F-A	F1.10C	VT-3	N-VT-1		20001023	R-6200	Engineering	2-SQ-345	Setting: 3/16"-9/16" 149#-163#; Prior to shielding
SIS	2-SIH-031	MSG-0009-C-03	F-A	F1.10C	VT-3	N-VT-1		20001027	R-6228	Passed		Setting: 1 7/16"-1 15/16" 173#-191#
CVCS	2-CVCH-020	MSG-0015-C-01	F-A	F1.10D	VT-3	N-VT-1		20001024	R-6210	Passed		
CVCS	2-CVCH-349	MSG-0012-C-02	F-A	F1.10D	VT-3	N-VT-1		20001025	R-6217	Passed		
RCS	2-RCH-833	MSG-0013-C-01	F-A	F1.10D	VT-3	N-VT-1		20001023	R-6203	Passed		Prior to shielding
RCS	47B465-01-004	MSG-0013-C-03	F-A	F1.10D	VT-3	N-VT-1		20001023	R-6201	Passed		Prior to shielding
SIS	2-SIH-029	ISI-0449-C-01	F-A	F1.20A	VT-3	N-VT-1		20001028	R-6242	Passed		
SIS	2-SIH-045	MSG-0009-C-05	F-A	F1.20B	VT-3	N-VT-1		20001027	R-6227	Passed		
SIS	2-SIH-455	MSG-0009-C-04	F-A	F1.20B	VT-3	N-VT-1		20001011	R-6187	Passed		
SIS	47B435-14-004	ISI-0449-C-09	F-A	F1.20B	VT-3	N-VT-1		20001027	R-6229	Passed		
RHRH	2-RHRH-420	MSG-0010-C-02	F-A	F1.20C	VT-3	N-VT-1		20001010	R-6184	Passed		Setting: 5/8"-15/16" 1712#-1892#
RHRH	2-RHRH-425	MSG-0010-C-04	F-A	F1.20D	VT-3	N-VT-1		20001011	R-6185	Passed		
SIS	2-SIH-450	MSG-0009-C-06	F-A	F1.20D	VT-3	N-VT-1		20001012	R-6189	Passed		

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SECTION 6

### AUGMENTED EXAMINATIONS

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

### Augmented Examinations

There were no augmented examinations performed during Unit 2 Cycle 10 as a part of the Inservice Inspection Program, 0-SI-DXI-000-114.2, that required submittal to regulatory agencies.



OWNER : TENNESSEE VALLEY AUTHORITY  
1101 MARKET STREET  
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P.O. BOX 2000  
SODDY DAISY, TENNESSEE 37384-2000

UNIT : TWO

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

COMMERCIAL SERVICE DATE : JUNE 1, 1982

NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED

## SECTION 7

### ANALYTICAL EVALUATIONS

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

There were no acceptance by analytical evaluation assessments required during Unit 2 Cycle 10 reporting period.

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

**SECTION 8**  
**REQUEST FOR RELIEF**

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

During Unit 2 Cycle 10 there were six code class 1 and three code class 2 component that did not receive code required examination coverage due to design configuration, access limitations, etc. Requests for relief will be submitted to the regulatory authority in accordance with 10 CFR 50.55a. Request for relief number 2-ISI-2 for W08-09B has been approved by the regulatory authorities in accordance with 10 CFR 50.55a. The percentage of examination coverage was derived from methods established in the TVA NDE Procedures Manual. The following is a component summary.

REQUEST FOR RELIEF SUMMARY ASME SECTION XI UNIT 2 CYCLE 10 CODE CLASS 1 AND 2					
COMPONENT	CODE CLASS	CODE CATEGORY	CODE ITEM NUMBER	EXAMINATION METHOD	PERCENT COVERAGE
<b>W08-09B</b>	1	B-A	B1.40	UT	66.6%
Examination report R-6343. Examination is limited due to the configuration of the closure head to flange weld. Refer to approved request for relief 2-ISI-2.					
<b>RCW-16</b>	1	B-D	B3.110	UT	68.8%
Examination report R-6315. Examination is limited due to the configuration of nozzle to pressurizer head geometry.					
<b>RCW-17</b>	1	B-D	B3.110	UT	68.8%
Examination report R-6316. Examination is limited due to the configuration of nozzle to pressurizer head geometry.					
<b>SGW-D-1</b>	2	C-A	C1.10	UT	25.7%
Examination report R-6342. Examination is limited due to a permanent steam generator lateral component support.					
<b>RHRW-15-A</b>	2	C-B	C2.21	UT	39%
Examination report R-6196. Examination is limited due to the configuration of nozzle to shell geometry.					
<b>BIT-5</b>	2	C-B	C2.21	UT	67%
Examination report R-6188. Examination is limited due to the configuration of nozzle to head geometry.					

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

<b>REQUEST FOR RELIEF SUMMARY</b> <b>ASME SECTION XI UNIT 2 CYCLE 10</b> <b>CODE CLASS 1 AND 2</b> (continued)						
COMPONENT	CODE CLASS	CODE CATEGORY	CODE ITEM NUMBER	EXAMINATION METHOD	PERCENT COVERAGE NOT USING PDI TECHNIQUE	BEST EFFORT PERCENT COVERAGE USING PDI TECHNIQUE
						see note 1
SIF-198	1	B-J	B9.11	UT	95%	50%
Examination report R-6319. Preservice examination is limited due to configuration of elbow to nozzle.						
SIF-198B	1	B-J	B9.11	UT	100%	50%
Examination report R-6247. Preservice examination is limited due to configuration of elbow to valve.						
SIF-198C	1	B-J	B9.11	UT	100%	50%
Examination report R-6248. Preservice examination is limited due to configuration of valve to pipe.						

NOTE: 1 As required in 10 CFR 50.55a published on September 22, 1999 and commencing May 22, 2000, TVA performance of ultrasonic examinations shall be in accordance with the requirements shown in ASME Section XI, Appendix VIII of the 1995 Edition with addenda through the 1996 Addenda (95A96) as amended by the final rule and as required in paragraphs 10 CFR 50.55a(b)(2)(xiv, xv, and xvi) and in 10 CFR 50.55a(g)(6)(ii)(C). TVA complies with these requirements through the use of the Performance Demonstration Initiative (PDI) program document, "PDI Program Description," Revision 1, Change 1, as allowed in the discussion on the proposed rule change in the Federal Register, Volume, 64, No. 183, (see Section 2.7) published on September 22, 1999.

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1101 MARKET STREET  
CHATTANOOGA, TENNESSEE 37402-2801

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## APPENDIX A

### SUMMARY OF ASME SECTION XI STEAM GENERATOR TUBING EXAMINATIONS

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

PREPARED BY William David Jones

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

SUMMARY OF SEQUOYAH UNIT 2 CYCLE 10  
SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS

<u>EDDY CURRENT EXAM TYPE</u>	<u>SG 1</u>	<u>SG 2</u>	<u>SG 3</u>	<u>SG 4</u>	<u>Total</u>
Full Length Bobbin Coil	3349	3281	3320	3363	13313
U-Bend Plus Point	282	261	278	293	1114
Top of Tubesheet Plus Point	3349	3281	3320	3363	13313
Freespan Plus Point	6	7	6	3	22
H01 Plus Point	14	21	33	2	70
H02 Plus Point	2	2	2	0	6
H03 Plus Point	4	10	2	1	17
H04 Plus Point	1	1	1	2	5
H05 Plus Point	2	0	0	0	2
H06 Plus Point	4	0	1	0	5
H07 Plus Point	35	1	14	1	51
Diagnostic Plus Point	12	37	34	39	122
Total Exams Completed	7060	6902	7011	7067	28040
Total Tubes Examined	3349	3281	3320	3363	13313
<u>INDICATIONS (Tubes)</u>	<u>SG 1</u>	<u>SG 2</u>	<u>SG 3</u>	<u>SG 4</u>	<u>Total</u>
AVB WEAR	7	23	14	8	52
CL WASTAGE	15	37	20	23	95
ODSCC HTS AXIAL	1	0	1	12	14
ODSCC HTS CIRC	2	3	1	2	8
ODSCC TSP AXIAL	92	106	120	466	784
ODSCC TSP CIRC	0	0	0	0	0
ODSCC FREESPAN	0	0	0	0	0
PWSCC HTS AXIAL	0	6	3	1	10
PWSCC HTS CIRC	1	1	3	0	5
PWSCC TSP AXIAL	0	1	1	0	2
PWSCC TSP CIRC	0	0	0	0	0
PWSCC U-BEND AXIAL	0	0	2	6	8
PWSCC U-BEND CIRC	0	2	0	1	3
VOLUMETRIC INDICATIONS	1	0	0	1	2
Total	119	179	165	520	983

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

SUMMARY OF SEQUOYAH UNIT 2 CYCLE 10  
SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS

<u>PLUGGING STATUS</u>	<u>SG 1</u>	<u>SG 2</u>	<u>SG 3</u>	<u>SG 4</u>	<u>Total</u>
Previously Plugged Tubes	39	107	68	25	239
Damage Mechanism					
AVB WEAR	0	0	1	0	1
COLD LEG WASTAGE	1	0	0	1	2
ODSCC HTS AXIAL	1	0	1	12	14
ODSCC HTS CIRC	2	3	1	2	8
ODSCC TSP AXIAL	0	0	0	0	0
ODSCC TSP CIRC	0	0	0	0	0
PREVENTATIVE	2	3	2	2	9
PWSCC HTS AXIAL	0	6	3	1	10
PWSCC HTS CIRC	1	1	3	0	5
PWSCC TSP AXIAL	0	1	1	0	2
PWSCC TSP CIRC	0	0	0	0	0
PWSCC U-BEND AXIAL	0	0	2	6	8
PWSCC U-BEND CIRC	0	2	0	1	3
VOLUMETRIC INDICATION	1	0	0	1	2
Plugged Cycle 10	8	16	14	26	64
TOTAL TUBES PLUGGED	47	123	82	51	303
Classification of Inspection Results	SG1	SG2	SG3	SG4	
Full Length Bobbin Coil	C-2	C-2	C-2	C-3	
U-Bend Plus Point	C-1	C-3	C-3	C-3	
Top of Tubesheet Plus Point	C-2	C-2	C-2	C-2	
Dented TSP Plus Point	C-1	C-2	C-2	C-1	
Dented Freespan Plus Point	C-1	C-1	C-1	C-1	

Inspection Classification Category	Inspection Results
C-1	Less than 5% of the total tubes inspected are degraded tubes and none of the inspected tubes are defective
C-2	One or more tubes, but not more than 1% of the total tubes inspected are defective, or between 5 and 10% of the total tubes inspected are degraded tubes
C-3	More than 10% of the total tubes inspected are degraded tubes or more than 1% of the inspected tubes are defective



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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

### Miscellaneous Nomenclature

<u>Notation</u>	<u>Description</u>
-----------------	--------------------

AVB	Anti-Vibration Bar
CL	Cold Leg
CIRC	Circumferential
H01	1 <sup>st</sup> Hot Support Plate
H02	2 <sup>nd</sup> Hot Support Plate
H03	3 <sup>rd</sup> Hot Support Plate
H04	4 <sup>th</sup> Hot Support Plate
H05	5 <sup>th</sup> Hot Support Plate
H06	6 <sup>th</sup> Hot Support Plate
H07	7 <sup>th</sup> Hot Support Plate
HTS	Top of Tubesheet - Hot Leg
ODSCC	Outer Diameter Stress Corrosion Cracking
PWSCC	Primary Water Stress Corrosion Cracking
TSP	Tube Support Plate

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

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

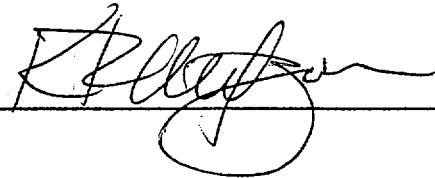
UNIT : TWO  
COMMERCIAL SERVICE DATE : JUNE 1, 1982  
NATIONAL BOARD NUMBER FOR UNIT : NOT REQUIRED.

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## APPENDIX B

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

PREPARED BY

A handwritten signature in black ink, appearing to read "R. E. Clayton", is written over a horizontal line. The signature is stylized with a large, circular flourish at the end.

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

**Plant:** Unit 2

**Owner Certificate of  
Authorization:** Not Required

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

**Commercial Service Date:**  
June 1, 1982

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

Sheet 1 of 61

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### Appendix B

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

Work Order	Work Order	Work Order
WO 00-000467-000	WO 00-003508-012	WO 99-004422-001
WO 00-000595-000	WO 00-003514-002	WO 99-004422-002
WO 00-001321-000	WO 00-003526-000	WO 99-004422-005
WO 00-002907-000	WO 00-003527-000	WO 99-004422-006
WO 00-002909-000	WO 00-003528-000	WO 99-004479-000
WO 00-002942-000	WO 00-003529-000	WO 99-006768-000
WO 00-002944-000	WO 00-005064-000	WO 99-006768-001
WO 00-003096-000	WO 00-008869-000	WO 99-008455-000
WO 00-003178-000	WO 00-009453-000	WO 99-008456-000
WO 00-003182-000	WO 00-009919-000	WO 99-008457-000
WO 00-003508-001	WO 97-012225-000	WO 99-008458-000
WO 00-003508-002	WO 98-008002-000	WO 99-008973-000
WO 00-003508-003	WO 98-008313-002	WO 99-011708-000
WO 00-003508-004	WO 98-008313-004	WO 99-011709-000
WO 00-003508-005	WO 98-009451-000	WO 99-012099-000
WO 00-003508-006	WO 98-009451-002	WO 99-012111-000
WO 00-003508-007	WO 98-009451-003	WO 99-012112-000
WO 00-003508-008	WO 99-003654-000	WO 99-012113-000
WO 00-003508-009	WO 99-003729-001	
WO 00-003508-010	WO 99-003855-000	
WO 00-003508-011	WO 99-004116-000	

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div>	Date <u>11/15/00</u> Sheet <u>2</u> of <u>61</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Unit <u>2</u> <u>WIO # 60-000467-000</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No., Job No., etc.</div>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of system <u>FEEDWATER, CLASS 2</u>	
5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-3-508	WALWORTH	NA	NA	NA	2000	Replaced	no

7. Description of Work REPLACED BONNET BOLTING.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: DRAFT ASME CODE FOR  
PUMPS AND VALVES.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 15 NOVEMBER 2000  
 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 6/7/00 to 12/5/00 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 TN3431  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date December 5, 2000

1. Owner <u>Tennessee Valley Authority</u>		Date <u>11/15/00</u>					
Name 1101 Market Street, Chattanooga, TN 37402-2801		Sheet <u>3</u> of <u>61</u>					
2. Plant <u>Sequoyah Nuclear Plant</u>		Unit <u>2</u>					
Address P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		WO# <u>00-000595-000</u>					
Name 3. Work Performed by <u>Sequoyah Nuclear Plant</u>		Repair Organization P.O. No., Job No., etc.					
Address P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		Type Code Symbol Stamp <u>N/A</u>					
Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		Authorization No <u>N/A</u>					
Address Expiration Date <u>N/A</u>							
4. Identification of system <u>CONTAINMENT, CLASS MAC</u>							
5. (a) Applicable Construction Code <u>ASME SECT III</u> 19 <u>68</u> Edition, <u>1468</u> Addenda, <u>1431</u> Code Case <u>1177-5, 1413, 1330-1,</u>							
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989 1992E, 92A</u>							
6. Identification of Components Repaired or Replaced and Replacement Components							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SCV	CB&I	NA	NA	NA	1976	REPLACED	N/A
PENETRATION							
X-1							
7. Description of Work <u>REPLACED ONE BOLT IN THE MAIN EQUIPMENT HATCH.</u>							
8. Tests Conducted: Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/>							
Other <input type="checkbox"/> Pressure _____ psi Test Temp _____ °F							

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# FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 15 NOVEMBER 2000  
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 10/30/00 to 12/4/00 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 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date December 4, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/28/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>4</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WD # 00-001321-000</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>
4. Identification of system <u>SAFETY INJECTION, CLASS 1</u>	
5. (a) Applicable Construction Code <u>SEE</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u> <u>CODE CASE</u>	
<u>N-416-1</u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-63-559	WESTINGHOUSE	W750084	W22977	NA	1980	REPLACE	YES
	VELAN	962080	NA	NA	2000	REPLACE MENT	YES
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACED	NO

7. Description of Work REPLACED CHECK VALVE AND ASSOCIATED PIPING.

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

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



FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:  
Applicable Manufacturer's Data Reports to be Attached  
VALVE - ASME SECTION III, 1986 EDITION  
PIPING - ANSI B31.7, 1969 EDITION, 1970 ADDENDA.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 28 NOVEMBER 2000  
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 10/19/00 to 12/6/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date December 6, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>9/2/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>5</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>0</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WO# 00-002907-000</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>
4. Identification of system <u>RCS, Class 1</u>	
5. (a) Applicable Construction Code <u>ASME</u> 19 <u>80</u> Edition, <u>WB0</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPARE PRESSURIZER PORT	TARGET ROCK	9	NA	NA	1985	REPAIRED	YES

7. Description of Work REINSTALLED BODY-TO-BONNET SEAL WELD  
FOLLOWING MAINTENANCE.

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

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

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

MECH ENGR  
Owner or Owner's Designee, Title

Date

7 SEPTEMBER

2000

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 5/2/00 to 9/8/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

TN 3431

National Board, State, Province, and Endorsements

Date

September 8

2000

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

1. Owner Tennessee Valley Authority Date 9/7/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address  
 2. Plant Sequoyah Nuclear Plant Sheet 6 of 61  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 3. Work Performed by Sequoyah Nuclear Plant Unit 0  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 Repair Organization P.O. No., Job No., etc.  
WD# 00-002909-000  
 Type Code Symbol Stamp N/A  
 Authorization No N/A  
 Expiration Date N/A

4. Identification of system RCS, CLASS 1  
 5. (a) Applicable Construction Code ASME SECT III 19 80 Edition, WSD Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SPARE PRESSURIZER</u>	<u>TARGET ROCK</u>	<u>7</u>	<u>NA</u>	<u>NA</u>	<u>1983</u>	<u>REPAIRED</u>	<u>NO</u>
<u>PORV</u>							

7. Description of Work REINSTALLED BODY-TO-BONNET SEAL WELD  
FOLLOWING MAINTENANCE.

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

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

FORM NIS-2 (Back)

9. Remarks

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.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 7 SEPTEMBER 2000  
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 5/2/00 to 9/8/00 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 3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date September 8, 2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div>	Date <u>11/2/00</u> Sheet <u>7</u> of <u>61</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div>	Unit <u>2</u> <u>WID# 00-002942-000</u> <small>Repair Organization P.O. No., Job No., etc.</small> Type Code Symbol Stamp <u>N/A</u>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; margin-right: 100px;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; margin-right: 100px;"><small>Address</small></div>	Authorization No <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of system <u>RCS, CLASS 1</u>	
5. (a) Applicable Construction Code <u>ASME SEC III</u> 19 <u>80</u> Edition, <u>W80</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2PCV-68-334	TARGET ROCK	10	NA	NA	1985	REPLACED	YES
		7	NA	NA	1983	REPLACE MIGHT	YES

7. Description of Work REPLACED VALVE

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

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

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

MECH ENGR

Date

7 NOVEMBER 2000

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 10/23/00 to 11/29/00 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.

Michael  
Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

November 29, 2000

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

1. Owner Tennessee Valley Authority Date 11/2/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address  
 2. Plant Sequoyah Nuclear Plant Sheet 8 of 61  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 3. Work Performed by Sequoyah Nuclear Plant Unit 2  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 Repair Organization P.O. No., Job No., etc.  
 Type Code Symbol Stamp N/A  
 Authorization No N/A  
 Expiration Date N/A

4. Identification of system PCS, CLASS 1

5. (a) Applicable Construction Code ASME SEC III 19 80 Edition, W80 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-PCH-608-340A	TARGET ROCK	2	NA	NA	1983	REPLACED	YES
		9	NA	NA	1985	REPLACEMENT	YES

7. Description of Work REPLACED VALVE

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

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



FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturers Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed William M. MECH ENGR Date 7 NOVEMBER 2000  
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 10/23/00 to 11/29/00 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.

Blackwood J Commissions TN 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 29, 2000

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

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

Date 11/16/00  
Sheet 9 of 61

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

Unit 2  
W0# 00-003096-000

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

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

4. Identification of system CONTAINMENT, CLASS MC

5. (a) Applicable Construction Code ASME SECT III 19 68 Edition, W68 Addenda, 1177-5, 1413, 1330-1, 1431 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 11/16/00 1992 ED 1992 ADD

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	CB&I	NA	NA	NA	1976	REPLACED	NO
PENETRATION							
X-88							

7. Description of Work REPLACED BLIND FLANGE BOLTING.

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

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

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

MECH ENGR

Date

16 November 2000

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 11/4/00 to 11/30/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

TN/3431

National Board, State, Province, and Endorsements

Date

November 30, 2000

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

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

Date 11/8/00  
Sheet 10 of 61

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

Unit 2  
WO# 00-003178-000

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

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

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-62-688	CROSBY	RY-2-3124	NA	NA	2000	REPLACED	No
		RY-2-3120	NA	NA	2000	REPLACE MENT	No

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

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 678758 AND 676257.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 NOVEMBER 2000  
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 10/2/00 to 11/21/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 21, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/13/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>11</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WLO#00-003182-000</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc. <u>N/A</u>
<small>Name</small>	Type Code Symbol Stamp <u>N/A</u>
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	Expiration Date <u>N/A</u>

4. Identification of system SAFETY INJECTION, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-63-627	CROSBY	N-69971-01-007	NA	NA	2000	REPLACED	NO
		RV-2-8856B	NA	NA	2000	REPLACEMENT	NO

7. Description of Work REPLACED VALVE.

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 678758 AND 676257.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed RELLYON, MECH ENGR Date 13 NOVEMBER 2000  
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 10/30/00 to 11/30/00 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.

M. B. Wood Commissions TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 30, 2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div>	Date <u>11/9/00</u> Sheet <u>12</u> of <u>61</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Unit <u>2</u> <u>WIS# 00-003508-001</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No., Job No., etc.</div>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-OR-63-542	U.S. TOOL AND DIE	2-OR-63-542	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS ORIFICE AND ASSOCIATED PIPING.

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

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



FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

ORIFICE - ASME SECTION III 1989 EDITION

PIPING - ANSI B31.7 1969 EDITION / 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature]  
Owner or Owner's Designee, Title

Date

16 NOVEMBER

2000

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 10/24/00 to 11/15/00 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

TN3431

National Board, State, Province, and Endorsements

Date

November 16, 2000

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

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

Date 11/9/00  
Sheet 13 of 61

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

Unit 2  
WO#00-003508-602

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

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

4. Identification of system SAFETY INJECTION, CLASS I

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

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>SAFETY INJECTION PIPING</u>	<u>TVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACE MENT</u>	<u>NO</u>
<u>2-OR-63-544</u>	<u>U.S. TOOL AND DIE</u>	<u>2-OR-63-544</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACE MENT</u>	<u>YES</u>

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

CRIFICE - ASME SECTION III 1989 EDITION

PIPING - ANSI B31.7 1969 EDITION / 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

William Meacham, MECH ENGR  
Owner or Owner's Designee, Title

Date

16 NOVEMBER

2000

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 10/24/00 to 11/15/00 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.

Meacham  
Inspector's Signature

Commissions

TN 3431

National Board, State, Province, and Endorsements

Date

November 16,

2000

<p>1. Owner <u>Tennessee Valley Authority</u>  <small>Name</small>  1101 Market Street, Chattanooga, TN 37402-2801  <small>Address</small></p> <p>2. Plant <u>Sequoyah Nuclear Plant</u>  <small>Name</small>  P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  <small>Address</small></p> <p>3. Work Performed by <u>Sequoyah Nuclear Plant</u>  <small>Name</small>  P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  <small>Address</small></p>	<p>Date <u>11/9/00</u></p> <p>Sheet <u>14</u> of <u>61</u></p> <p>Unit <u>2</u></p> <p>WID# <u>00-003508-003</u>  <small>Repair Organization P.O. No., Job No., etc.</small></p> <p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p>																																																								
<p>4. Identification of system <u>SAFETY INJECTION, CLASS 1</u></p>																																																									
<p>5. (a) Applicable Construction Code <u>SEC</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case  <small>REMARKS</small>  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>, <u>CODE CASE</u>  <u>N-416-1</u></p>																																																									
<p>6. Identification of Components Repaired or Replaced and Replacement Components</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 12.5%;">Name of Component</th> <th style="width: 12.5%;">Name of Manufacturer</th> <th style="width: 12.5%;">Manufacturer Serial No.</th> <th style="width: 12.5%;">National Board No.</th> <th style="width: 12.5%;">Other Identification</th> <th style="width: 12.5%;">Year Built</th> <th style="width: 12.5%;">Repaired, Replaced, or Replacement</th> <th style="width: 12.5%;">ASME Code Stamped (Yes or No)</th> </tr> </thead> <tbody> <tr> <td>SAFETY INJECTION PIPING</td> <td>TVA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>2000</td> <td>REPLACE MENT</td> <td>NO</td> </tr> <tr> <td>2-02-63-546</td> <td>U.S. TOOL AND DIE</td> <td>2-02-63-546</td> <td>NA</td> <td>NA</td> <td>2000</td> <td>REPLACE MENT</td> <td>YES</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO	2-02-63-546	U.S. TOOL AND DIE	2-02-63-546	NA	NA	2000	REPLACE MENT	YES																																
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)																																																		
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO																																																		
2-02-63-546	U.S. TOOL AND DIE	2-02-63-546	NA	NA	2000	REPLACE MENT	YES																																																		
<p>7. Description of Work <u>INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.</u></p>																																																									
<p>8. Tests Conducted: Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/>  Other <input type="checkbox"/> Pressure _____ psi Test Temp _____ °F</p>																																																									

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FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

ORIFICE - ASME SECTION III 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed William, MECH ENGR Date 16 NOVEMBER 2000  
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 10/24/00 to 11/16/00 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.

W. Lockwood Commissions TN 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 16, 2000

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

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

Date 11/9/00

Sheet 15 of 61

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

Unit 2

Wb# 00-003503-004

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system SAFETY INJECTION, CLASS 1

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-OR-63-548	U.S. TOOL AND DIE	2-OR-63-548	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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



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

1. Owner Tennessee Valley Authority Date 11/9/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address  
 2. Plant Sequoyah Nuclear Plant Unit 2  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 3. Work Performed by Sequoyah Nuclear Plant WO# 00-003508-005  
Name Repair Organization P.O. No., Job No., etc.  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Type Code Symbol Stamp N/A  
Address Authorization No N/A  
 Expiration Date N/A

4. Identification of system SAFETY INJECTION, CLASS 1  
 5. (a) Applicable Construction Code SEE 19 NA Edition, NA Addenda, NA Code Case  
REMARKS  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE  
N-4161  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-02-63-550	U.S. TOOL AND DIE	2-02-63-550	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.  
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

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



FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

ORIFICE - ASME SECTION III, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed William Mech Encar Date 16 NOVEMBER 2000  
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 10/25/00 to 11/16/00 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.

Michael J Commissions TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 16, 2000

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

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

Date 11/9/00  
Sheet 17 of 61

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

Unit 2  
WD # 00-003508-006

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

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

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

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>SAFETY INJECTION PIPING</u>	<u>TVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACE MENT</u>	<u>NO</u>
<u>2 OR-63-552</u>	<u>U.S. TOOL AND DIE</u>	<u>2-OR-63-552</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACE MENT</u>	<u>YES</u>

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

ORIFICE - ASME SECTION III, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

Allen B. Meacham  
Owner or Owner's Designee, Title

Date

16 NOVEMBER

2000

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 10/25/00 to 11/16/00 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.

Michael J. Meacham  
Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

November 16,

2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>11/9/00</u> Sheet <u>18</u> of <u>61</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	Unit <u>2</u> <u>WD# 00-003508-007</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACEMENT	NO
2-OR-63-554	U.S. TOOL AND DIE	2-OR-63-554	NA	NA	2000	REPLACEMENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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FORM NIS-2 (Back)

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Applicable Manufacturer's Data Reports to be Attached

ORIFICE - ASME SECTION III, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Kellison, Mech ENGR Date 16 NOVEMBER 2000  
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 10/25/00 to 11/16/00 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.

M. Kellison Commissions TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 16, 2000

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

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

Date 11/9/00  
Sheet 19 of 61

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

Unit 2  
WO# 00-003508-008

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

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

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	No
2-02-63-556	U.S. TOOL AND DIE	2-02-63-556	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODES:

Applicable Manufacturer's Data Reports to be Attached

DRIFICE - ASME SECTION III, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

K. Kelly, MECH ENGR

Date

16 NOVEMBER

2000

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 10/25/00 to 11/16/00 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.

M. Wood

Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

November, 16,

2000

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

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

Date 11/7/00

Sheet 20 of 61

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

Unit 2

WO# 00-003508-009

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system SAFETY INJECTION, CLASS 1

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-OR-63-582	U.S. TOOL AND DIE	2-OR-63-582	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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



**FORM NIS-2 (Back)**

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

## ORIFICE - ASME SECTION III, 1989 EDITION

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

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

Kellison, MechEGR Date \_\_\_\_\_

Date \_\_\_\_\_

16 NOVEMBER

2000

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 10/24/00 to 11/16/00 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.

Mockwood  
Inspector's Signature

## Commissions

TN343/

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

November 16,

2000

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

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

Date 11/7/00  
Sheet 21 of 61

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

Unit 2  
40\*00-003508-010

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

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

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-OR-63-583	U.S. TOOL AND DIE	2-OR-63-583	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturers Data Reports to be Attached

DRIFICE - ASME SECTION II, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

Mech Engr

Date

16 NOVEMBER

2000

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 10/24/00 to 11/16/00 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.

Mechwood  
Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

November 16

2000

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

1. Owner Tennessee Valley Authority Date 11/7/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801 Sheet 22 of 61  
Address  
 2. Plant Sequoyah Nuclear Plant Unit 2  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 WLO# 00-003508-011  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Sequoyah Nuclear Plant Type Code Symbol Stamp N/A  
Name Authorization No N/A  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Expiration Date N/A  
Address

4. Identification of system SAFETY INJECTION, CLASS 1  
 5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 CODE CASE N-416-1  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	NO
2-OR-63-584	U.S. TOOL AND DIE	2-OR-63-584	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.  
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:  
Applicable Manufacturer's Data Reports to be Attached

DRIFICE - ASME SECTION III, 1989 EDITION

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Michael J. McHugh Date 16 NOVEMBER 2000  
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 10/24/00 to 11/16/00 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.

Michael J. McHugh Commissions TN 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 16, 2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>11/7/00</u> Sheet <u>23</u> of <u>61</u> Unit <u>2</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	<u>W0#00-003508-012</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	

4. Identification of system SAFETY INJECTION, CLASS 1

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAFETY INJECTION PIPING	TVA	NA	NA	NA	2000	REPLACE MENT	No
2-OR-63-585	U.S. TOOL AND DIE	2-OR-63-585	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED ECCS THROTTLING ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:  
Applicable Manufacturer's Data Reports to be Attached  
DRACE - ASME SECTION III 1989 EDITION  
PIPING - ANSI B31.7, 1969 EDITION / 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K. L. Lutz, MECH ENGR Date 16 NOVEMBER 2000  
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 10/24/00 to 11/16/00 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.

M. Schwood Commissions TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 16, 2000

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

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

Date 11/21/00  
Sheet 24 of 61

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

Unit 2  
WO# 00-003514-002

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

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

4. Identification of system AFW, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19 NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-3-891	WALWORTH	C58253	NA	NA	2000	Replaced	No
	FLOWSERVE	ED23T-1-1	NA	NA	2000	REPLACE MGMT	YES
2-3-892	WALWORTH	C58254	NA	NA	2000	Replaced	No
	FLOWSERVE	ED23T-1-5	NA	NA	2000	REPLACE MGMT	YES
AFW	TVA	NA	NA	NA	2000	REPLACE MGMT	No
PIPING							

7. Description of Work REPLACED VALVES WITH NEW DESIGN AND ASSOCIATED PIPING.

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

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



FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

PIPING - ANSI B31.7 - 1969 EDITION, 1970 ADDENDA  
VALVES - ASME SECTION III, 1989 <sup>11/21/00</sup> EDITION

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] Date 6 DECEMBER 2000  
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 10/13/00 to 12/7/00 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 3431  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date December 7, 2000

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

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

Date 10/17/00  
Sheet 25 of 61

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

Unit 2  
W/O # 00-003526-000

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

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

4. Identification of system SAFETY INJECTION, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2-SIH-457</u>	<u>PSA</u>	<u>369</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>
		<u>11429</u>	<u>NA</u>	<u>NA</u>	<u>02000</u> <u>KW</u> <u>10/17/00</u>	<u>REPLACE</u> <u>MENT</u>	<u>NO</u>

7. Description of Work REPLACED SNUBBER.

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

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

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed William M. Mech ENGR Date 17 OCTOBER 2000  
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 9/12/00 to 10/30/00 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.

Michael J. Hochstetler  
Inspector's Signature

Commissions TN3431  
National Board, State, Province, and Endorsements

Date October 30, 2000

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

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

Date 10/10/00  
Sheet 26 of 61

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

Unit 2  
WO# 00-003527-000

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

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

4. Identification of system SGBD, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2-SGBH-102</u>	<u>PSA</u>	<u>19711</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACE MET</u>	<u>No</u>
	<u>PSA</u>	<u>580</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>No</u>

7. Description of Work REPLACED SHUTTER

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 Manufacturers 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 10 OCTOBER 2000  
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 10/4/00 to 10/30/00 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 TN3431  
National Board, State, Province, and Endorsements

Date October 30, 2000

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

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

Date 10/26/00

Sheet 27 of 61

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

Unit 2

W10# 00-003528-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system SGBD, Class 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SGBH-11	PSA	540	NA	NA	2000	REPLACED	NO
		16581	NA	NA	2000	REPLACEMENT	NO

7. Description of Work REPLACED SNUBBER

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.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 26 OCTOBER 2000  
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 9/26/00 to 10/30/00 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 TN13431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date October 30, 2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>10/17/00</u> Sheet <u>28</u> of <u>61</u> Unit <u>2</u> W/O # <u>60-003529-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div> Type Code Symbol Stamp <u>N/A</u> <div style="text-align: center;"><small>Name</small></div> Authorization No <u>N/A</u> <div style="text-align: center;"><small>Address</small></div> Expiration Date <u>N/A</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	
4. Identification of system <u>SAFETY INJECTION, CLASS 2</u>	
5. (a) Applicable Construction Code <u>ANSI B31.7</u> 19 <u>69</u> Edition, <u>70</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SIH-28	PSA	880	NA	NA	2000	REPLACED	NO
		11347	NA	NA	2000	REPLACE-MGOT	NO

7. Description of Work REPLACED SNUBBER.

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

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



FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Walter M. MECH ELGR Date 17 October 2000  
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 9/12/00 to 10/30/00 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.

Walter M. MECH ELGR Commissions TK13431  
Inspector's Signature National Board, State, Province, and Endorsements

Date October 30, 2000

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

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

Date 11/16/00

Sheet 29 of 61

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

Unit 2

WFO# 00-005064-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system CVCS, CLASS 1 AND 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-CVCH-20B	TVA	NA	NA	NA	2000	REPLACEMENT	NO
2-CVCH-364	TVA	NA	NA	NA	2000	REPLACEMENT	NO

7. Description of Work MODIFIED PIPE SUPPORTS

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 Manufacturers Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

K. Sullivan, MECH ENGR

Date

16 NOVEMBER

2000

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 10/21/00 to 12/1/00 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.

M. McChesney  
Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

December 1,

2000

1. Owner Tennessee Valley Authority Date 11/10/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address

2. Plant Sequoyah Nuclear Plant Sheet 30 of 61  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address

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

4. Identification of system CVCS, CLASS 2

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

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

[illegible]

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

111 of 201

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Kelly Brown, MECH ENGR Date 10 NOVEMBER 2000  
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 11/3/00 to 11/30/00 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.

Michael D. Wood Commissions TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 30, 2000

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

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

Date 11/8/00  
Sheet 31 of 61

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

Unit 2  
WOT# 00-009453-000

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

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

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2 FCV-62-74	MASON-EICAN	NA	NA	NA	2000	REPLACED	NO

7. Description of Work REPLACED VALVE PLUG.

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  
Applicable Manufacturer's Data Reports to be Attached  
AND WESTINGHOUSE E-SPEC 678763 AND 676270.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed William M. McCH ENGR Date 8 NOVEMBER 2000  
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 10/27/00 to 11/30/00 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.

Michael J. [Signature] Commissions TN 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 30, 2000

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

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

Date 11/7/00  
Sheet 32 of 61

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

Unit 2  
WO# 00-009919-000

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

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

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-CVCH-868	TVA	NA	NA	NA	2000	Replaced	No

7. Description of Work REPLACED SUPPORT BOLTING.

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

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



FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 7 NOVEMBER 2000  
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 11/3/00 to 12/4/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date December 4, 2000

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

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

Date 11/8/00  
Sheet 33 of 61

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

Unit 2  
WD# 97-012225-000

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

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

4. Identification of system SAFETY INJECTION, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FCV-63-156	VELAN	NA	NA	NA	2000	REPLACED	NO

7. Description of Work REPLACED BONNET NUT.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 676258 AND 678765.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 8 NOVEMBER 2000  
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 10/26/00 to 11/29/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 29, 2000

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

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

Date 11/7/00  
Sheet 34 of 61

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

Unit 2  
W/O# 98-008002-000

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

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

4. Identification of system RCS, CLASS 1

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2-68-564</u>	<u>CROSBY</u>	<u>RV-3-8010C</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>
		<u>RV-4-8010A</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>RCS PIPING</u>	<u>TVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED PRESSURIZER SAFETY VALVE.

REPLACED SOME INLET FLANGE NUTS.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:  
Applicable Manufacturer's Data Reports to be Attached  
VALVE - CONTRACT 91934 AND WESTINGHOUSE  
E-SPECS 678764 AND 676279.  
PIPING - ANSI B31.7 - 1969 EDITION / 1970 ADDENDA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to 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 13 NOVEMBER 2000  
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 8/23/00 to 11/28/00 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 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 28, 2000

1. Owner	Tennessee Valley Authority	Date	9/18/00
	Name 1101 Market Street, Chattanooga, TN 37402-2801	Sheet	35 of 61
2. Plant	Sequoyah Nuclear Plant	Unit	2
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		KLO# 98-008313-002
3. Work Performed by	Sequoyah Nuclear Plant	Repair Organization P.O. No., Job No., etc.	
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000	Type Code Symbol Stamp	N/A
	Address	Authorization No	N/A
4. Identification of system	CS, CLASS 2	Expiration Date	N/A
5. (a) Applicable Construction Code	ANSI B31.7 1969 Edition,	Addenda,	NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	1989		

[illegible]

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

# FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 18 SEPTEMBER 2000  
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 5/1/00 to 9/20/00 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 39431  
Inspector's Signature National Board, State, Province, and Endorsements

Date September 20, 2000

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

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

Date 9/18/00

Sheet 36 of 61

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

Unit 2

WID# 98-008313-004

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system CS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2-FCV-72-22</u>	<u>ALCO</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>Replaced</u>	<u>No</u>

7. Description of Work REPLACED BONNET BOLTING.

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

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



FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 18 SEPTEMBER 2000  
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 6/27/00 to 9/20/00 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 3431  
 Inspector's Signature National Board, State, Province, and Endorsements

Date September 20, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>2/8/99</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>37</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WO#98-009451-000</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc.
<small>Name</small>	Type Code Symbol Stamp <u>N/A</u>
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	Expiration Date <u>N/A</u>
4. Identification of system <u>AIR CONDITIONING CHILLED WATER, CLASS 2</u>	
5. (a) Applicable Construction Code <u>ANSI B31.7</u> 19 <u>69</u> Edition, <u>70</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A915-8-3	PSA	9876, 9639	NA	NA	NA	REPLACED	NO
47A915-8-3	LIXEGA	NA	NA	NA	NA	REPLACEMENT	NO

7. Description of Work MODIFIED PIPE SUPPORT

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

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

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed

[Signature]

MECH ENGR

Date

8 SEPTEMBER

19

99

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 8/10/99 to 9/9/99 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 3431

National Board, State, Province, and Endorsements

Date

Sept. 9

19

99

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>9/7/99</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>38</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WO# 98-009451-002</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc.
<small>Name</small>	Type Code Symbol Stamp <u>N/A</u>
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	Expiration Date <u>N/A</u>
4. Identification of system <u>CVCS, SYS 62, CLASS 2 AND 3</u>	
5. (a) Applicable Construction Code <u>ANSI B31.7</u> 19 <u>69</u> Edition, <u>70</u> Addenda, <u>N/A</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-BIH-407	TVA	NA	NA	NA	1999	REPLACE-MENT	NO
2-CVCMH-495	TVA	NA	NA	NA	1999	REPLACE-MENT	NO
2-CVCMH-460	TVA	NA	NA	NA	1999	REPLACE-MENT	NO
2-CVCMH-461	TVA	NA	NA	NA	1999	REPLACE-MENT	NO
2-CVCMH-462	TVA	NA	NA	NA	1999	REPLACE-MENT	NO
47B 435-4-2	TVA	NA	NA	NA	1999	REPLACE-MENT	NO

7. Description of Work MODIFIED PIPE SUPPORTS

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 9/7/99

Applicable Manufacturer's Data Reports to be Attached

2-CVCMH-460 AND 2-CVCMH-461 WERE DELETED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature] MECH ENGR

Date

7 September 19 99

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 2/2/99 to 9/9/99 and state that to the

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

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

Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

9/10

19 99

1. Owner	Tennessee Valley Authority	Date	9/7/99
	Name 1101 Market Street, Chattanooga, TN 37402-2801	Sheet	39 of 61
	Address	Unit	2
2. Plant	Sequoyah Nuclear Plant		WD# 98-009451-003
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		Repair Organization P.O. No., Job No., etc.
	Address	Type Code Symbol Stamp	N/A
3. Work Performed by	Sequoyah Nuclear Plant	Authorization No	N/A
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000	Expiration Date	N/A
	Address		
4. Identification of system	51 AND RHR, CLASS 2		
5. (a) Applicable Construction Code	ANSI B31.7 1969 Edition, 70	Addenda, NA	Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	1989		

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SIH-495	TVA	NA	NA	NA	1999	Replacement	NO
2-SIH-497	TVA	NA	NA	NA	1999	Replacement	NO
2-SIH-490	TVA	NA	NA	NA	1999	Replacement	NO
2-SIH-496	BP	X1725-310193	NA	NA	1979	Replacement	NO
2-242H-454	TVA	NA	NA	NA	1999	Replacement	NO

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FORM NIS-2 (Back)

9. Remarks 1st run 9/8/99

Applicable Manufacturer's Data Reports to be Attached

2-SIH-490 AND 2-SIH-491 WERE DELETED.

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. L. Lutz

MECH ENGR

Date

8 SEPTEMBER

19

99

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 5/6/99 to 9/9/99 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

TN3431

National Board, State, Province, and Endorsements

Date

9/10

19

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

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

Date 11/13/00  
Sheet 40 of 61

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

Unit 2  
WO# 99-003654-000

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

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

4. Identification of system CS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>CS PUMP</u>	<u>SULZER</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>
<u>2B</u>							

7. Description of Work REPLACED GLAND AND STUFFING BOX BOLTING.

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

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



FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 92646 AND  
TVA DESIGN SPEC 1153.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed MECH ENGR Date 13 NOVEMBER 2000  
 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 10/23/00 to 12/5/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions TN3431  
 Date December 5, 2000  
 National Board, State, Province, and Endorsements

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/14/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>41</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>W/O# 99-003729-001</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc. <u>N/A</u>
<small>Name</small>	Type Code Symbol Stamp <u>N/A</u>
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	Expiration Date <u>N/A</u>
4. Identification of system <u>MAIN STEAM, CLASS 2</u>	
5. (a) Applicable Construction Code <u>SEE</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-PCV-1-30	COPEL VULCAN	NA	NA	NA	2000	REPLACED	NO

7. Description of Work REPLACED VALVE PLUG.

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: 1968 DRAFT ASME  
Applicable Manufacturer's Data Reports to be Attached  
CODE FOR NUCLEAR PUMPS AND VALVES

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 DECEMBER 2000  
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 11/3/00 to 12/7/00 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 3431  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date December 7, 2000

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

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

Date 11/7/00

Sheet 42 of 61

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

Unit 2

W/O # 99-003855-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2-FCV-602-89</u>	<u>MASON-EILAN</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED VALVE PLUG

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  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 678763, 676270.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 7 NOVEMBER 2000  
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 10/30/00 to 11/21/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 21, 2000

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

1. Owner Tennessee Valley Authority Date 11/7/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address  
 2. Plant Sequoyah Nuclear Plant Unit 2  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 3. Work Performed by Sequoyah Nuclear Plant WIO# 99-004116-000  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000  
Address  
 Repair Organization P.O. No., Job No., etc. N/A  
 Type Code Symbol Stamp N/A  
 Authorization No N/A  
 Expiration Date N/A  
 4. Identification of system SAFETY INJECTION, CLASS 2  
 5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 70 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SAFETY INJECTION</u>	<u>TVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPAIRED</u>	<u>NO</u>
<u>PIPING</u>							

7. Description of Work REMOVED ARC STRIKE

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

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

FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 7 NOVEMBER 2000  
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 6/23/00 to 11/21/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 21, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>9/12/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>44</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WO# 99-004422-001</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>

4. Identification of system CVCS, CLASS 2

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CCP 2B-B	PACIFIC	NA	NA	NA	2000	REPLACEMENT	NO

7. Description of Work MODIFIED PUMP BASE BY DRILLING OF HOLES TO SUPPORT HNCC 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturers Data Reports to be Attached  
WESTINGHOUSE E-SPEC 677125.

## CERTIFICATE OF COMPLIANCE

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

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

Signed Michael E. McGrath Date 12 SEPTEMBER 2000  
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 7/28/00 to 9/18/00 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.

Michael E. McGrath Commissions TN13431  
 Inspector's Signature National Board, State, Province, and Endorsements

Date September 18, 2000

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

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

Date 9/12/00

Sheet 45 of 61

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

Unit 2

Wd# 99-004422-002

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system CVCS, Class 2

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CCP 2A-A	PACIFIC	NA	NA	NA	2000	REPLACE MENT	NO

7. Description of Work MODIFIED PUMP BASE BY DRILLING HOLES TO ACCEPT NMCC SUPPORT.

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 677125,

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature], MECH ENGR Date 12 SEPTEMBER 2000  
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 7/28/00 to 9/18/00 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 TH3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date September 18, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>9/13/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>46</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>W0#99-004422-005</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>

4. Identification of system CS, CLASS 2
5. (a) Applicable Construction Code SEE REMARKS 19 NO Edition, NO Addenda, NO Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>CS Pump 2BB</u>	<u>SULZER</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2000</u>	<u>REPLACE MGMT</u>	<u>NO</u>

7. Description of Work DRILLED HOLES IN PUMP BASE TO ACCEPT NACC SUPPORT.
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 CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC C077125.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 13 SEPTEMBER 2000  
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 7/31/00 to 9/18/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date September 18, 2000

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

1. Owner Tennessee Valley Authority Date 9/13/00  
Name  
1101 Market Street, Chattanooga, TN 37402-2801  
Address  
 2. Plant Sequoyah Nuclear Plant Sheet 47 of 61  
Name  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Unit 2  
Address  
 3. Work Performed by Sequoyah Nuclear Plant WO# 99-004422-006  
Name Repair Organization P.O. No., Job No., etc.  
P. O. Box 2000, Soddy-Daisy, TN, 37384-2000 Type Code Symbol Stamp N/A  
Address Authorization No N/A  
 Expiration Date N/A

4. Identification of system CS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CS Pump 2A-A	Sulzer	NA	NA	NA	2000	REPLACE	NO

7. Description of Work DRILLED HOLES IN PUMP BASE TO ACCEPT  
ANCC SUPPORT.

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  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 677125.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

H. Mochel, MECH ENGR  
Owner or Owner's Designee, Title

Date

13 SEPTEMBER 2000

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 7/31/00 to 9/18/00 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.

Mochel  
 Inspector's Signature

Commissions

7N 3431

National Board, State, Province, and Endorsements

Date

September 18, 2000

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

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

Date 11/10/00  
Sheet 48 of 61

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

Unit 2  
W0# 99-004479-000

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

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

4. Identification of system RHR, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>RHR</u>	<u>TVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>NO</u>
<u>PIPING</u>							

7. Description of Work REPLACED FLANGE BOLTING AT 2-FCV-7428.

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

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



FORM NIS-2 (Back)

9. Remarks

NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 10 NOVEMBER 2000  
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 2/25/00 to 11/30/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date November 30, 2000

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

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

Date 11/17/00

Sheet 49 of 61

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

Unit 2

WLO# 99-006768-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system CVCS, CLASS 2

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVCS	TVA	NA	NA	NA	2000	REPLACE MENT	NO
PIPING							
2-OR-62-2033	U.S. TOOL AND DIE	9922-1	NA	NA	2000	REPLACE MENT	YES

7. Description of Work INSTALLED NEW CCP 2A-A MINIFLOW LINE  
BREAKDOWN ORIFICE AND ASSOCIATED PIPING.

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE:

Applicable Manufacturer's Data Reports to be Attached

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

ORIFICE - ASME SECTION III, 1989 EDITION

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature] MECH ENGR

Date

17 NOVEMBER 2000

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 8/10/00 to 12/5/00 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

TN3431

National Board, State, Province, and Endorsements

Date

December 5, 2000

1. Owner	Tennessee Valley Authority	Date	11/22/00
	Name 1101 Market Street, Chattanooga, TN 37402-2801	Sheet	50 of 61
	Address	Unit	2
2. Plant	Sequoyah Nuclear Plant		140# 99-006763-001
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000		Repair Organization P.O. No., Job No., etc.
	Address	Type Code Symbol Stamp	N/A
3. Work Performed by	Sequoyah Nuclear Plant	Authorization No	N/A
	Name P. O. Box 2000, Soddy-Daisy, TN, 37384-2000	Expiration Date	N/A
	Address		

4. Identification of system CVCS, CLASS 2

5. (a) Applicable Construction Code SEE REMARKS 19NA Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVCS PIPING	TVA	NA	NA	NA	2000	REPLACE MGMT	NO
2-012-02-2034	U.S. TOOL AND DIE	QA22-2	NA	NA	2000	REPLACE MGMT	YES

7. Description of Work REPLACED CCP 2B-B MAINFLOW ORIFICE WITH A NEW DESIGN AND ASSOCIATED PIPING.

15/ OF 201

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE:

Applicable Manufacturers Data Reports to be Attached

PIPING - ANSI B31.7 1969 EDITION, 1970 ADDENDA

DRIFICE - ASME SECTION III 1989 EDITION

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

RELIATION MECH ENGR

Date

22 NOVEMBER 2000

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 8/10/00 to 12/5/00 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.

McWood  
Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

December 5,

2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: right; font-size: small;">Name</div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: right; font-size: small;">Address</div>	Date <u>11/14/00</u> Sheet <u>51</u> of <u>61</u> Unit <u>2</u>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Unit <u>2</u> <u>40# 99-008455-000</u> <div style="text-align: right; font-size: small;">Repair Organization P.O. No., Job No., etc.</div>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: right; font-size: small;">Name</div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: right; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>

4. Identification of system DCS, CLASS 2

5. (a) Applicable Construction Code ASME SECT III 19 77 Edition, 579 Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FSV-68-397	TARGET ROCK	23	288	NA	1981	REPAIRED	YES

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

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

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

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 14 NOVEMBER 2000  
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 6/7/00 to 11/30/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date November 30, 2000

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

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

Date 11/14/00

Sheet 52 of 61

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

Unit 2

WO# 99-008456-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system RCS, CLASS 2

5. (a) Applicable Construction Code ASME 19 77 Edition, 579 Addenda, NA Code Case  
SECT III  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FSV-68-396	TARGET ROCK	22	287	NA	1981	REPAIRED	YES

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

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



# FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 14 November 2000  
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 6/7/00 to 11/30/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 30, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/14/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>53</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>KID# 99-008457-000</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc. <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Address</small>	
	Authorization No <u>N/A</u>
	Expiration Date <u>N/A</u>
4. Identification of system <u>RCS, CLASS 2</u>	
5. (a) Applicable Construction Code <u>ASME</u> 19 <u>77</u> Edition, <u>579</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2FSV-68-395	TARGET ROCK	15	280	NA	1981	REPAIRED	YES

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

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

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

FORM NIS-2 (Back)

9. Remarks 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.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 14 NOVEMBER 2000  
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 6/7/00 to 11/30/00 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 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
Date November 30, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/14/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>54</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WLO#99-008458-000</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>
4. Identification of system <u>RCS, CLASS 2</u>	
5. (a) Applicable Construction Code <u>ASME</u> 19 <u>77</u> Edition, <u>579</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FSV-68-394	TARGET ROCK	16	281	NA	1981	REPAIRED	YES

7. Description of Work REINSTALLED BODY-TO-BORNECT SEAL WELD  
BELOWING MAINTENANCE.

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

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

FORM NIS-2 (Back)

9. Remarks 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.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed [Signature] Mech ENGR

Date 14 November 2000

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 6/7/00 to 11/30/00 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 TN3431

National Board, State, Province, and Endorsements

Date November 30, 2000

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

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

Date 11/21/00  
Sheet 55 of 61

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

Unit 2  
WO# 99-008973-000

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

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

4. Identification of system MAIN STEAM, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FCV-1-22	ATWOOD & MORRILL	7-375	NA	NA	2000	REPAIRED	NO
						AND REPLACED	

7. Description of Work REPAIRED BODY AND BONNET GASKET SEATING SURFACES BY WELDING AND MACHINING. REPLACED BONNET BOLTING.

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

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

FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: DRAFT ASME CODE FOR  
Applicable Manufacturer's Data Reports to be Attached  
PUMPS AND VALVES, NOVEMBER 1968 AND MARCH  
1970 ADDENDA.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

[Signature], MECH ENGR

Date

6 DECEMBER

2000

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 10/30/00 to 12/12/00 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

TN3431

National Board, State, Province, and Endorsements

Date

December 12,

2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>12/6/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>56</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WD# 99-01708-000</u>
<small>Address</small>	<small>Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Type Code Symbol Stamp <u>N/A</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	
	Expiration Date <u>N/A</u>

4. Identification of system RCS, CLASS 1

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>RCP #4</u>	<u>WESTINGHOUSE</u>	<u>2187</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACED</u>	<u>YES</u>
		<u>2184</u>	<u>NA</u>	<u>NA</u>	<u>2000</u>	<u>REPLACEMENT</u>	<u>YES</u>

7. Description of Work REPLACED CARTRIDGE SEAL ASSEMBLY AND  
AND ASSOCIATED BOLTING.

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

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



FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

K. Elliott, MECH ENGR  
Owner or Owner's Designee, Title

Date

6 DECEMBER

2000

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 10/26/00 to 12/12/00 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.

M. Johnson  
Inspector's Signature

Commissions

TN 3431

National Board, State, Province, and Endorsements

Date

December 12,

2000

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

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

Date 12/6/00

Sheet 57 of 61

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

Unit 2

WD # 99-01709-000

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

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

Authorization No N/A

Expiration Date N/A

4. Identification of system RCS, CLASS 1

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RCP# 2	WESTINGHOUSE	2016	NA	NA	2000	REPLACED	YES
		2189	NA	NA	2000	REPLACEMENT	YES

7. Description of Work REPLACED CARTRIDGE SEAL ASSEMBLY AND ASSOCIATED BOLTING

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

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

FORM NIS-2 (Back)

9. Remarks NA

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K. P. Sullivan, MECH ENGR Date 6 DECEMBER 2000  
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 6/16/00 to 12/12/00 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.

Michael J. Wood Commissions TN 3431  
Inspector's Signature National Board, State, Province, and Endorsements

Date December 12, 2000

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

1. Owner <u>Tennessee Valley Authority</u>	Date <u>11/10/00</u>
<small>Name</small>	
<u>1101 Market Street, Chattanooga, TN 37402-2801</u>	Sheet <u>58</u> of <u>61</u>
<small>Address</small>	
2. Plant <u>Sequoyah Nuclear Plant</u>	Unit <u>2</u>
<small>Name</small>	
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	<u>WO# 99-012099-000</u>
<small>Address</small>	
3. Work Performed by <u>Sequoyah Nuclear Plant</u>	Repair Organization P.O. No., Job No., etc. <u>N/A</u>
<small>Name</small>	Type Code Symbol Stamp <u>N/A</u>
<u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u>	Authorization No <u>N/A</u>
<small>Address</small>	Expiration Date <u>N/A</u>
4. Identification of system <u>RHR, CLASS 2</u>	
5. (a) Applicable Construction Code <u>SEE REMARKS</u> 19 <u>NA</u> Edition, <u>NA</u> Addenda, <u>NA</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-74-SOS	CROSBY	RV-1-8708	NA	NA	2000	REPLACED	NO
		RV-2-8708	NA	NA	2000	REPLACEMENT	NO

7. Description of Work REPLACED RELIEF VALVE

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934  
Applicable Manufacturer's Data Reports to be Attached  
AND WESTINGHOUSE E-SPEC 678758 AND 676257.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 10 NOVEMBER 2000  
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 10/2/00 to 11/30/00 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 TN43431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 30, 2000

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

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

Date 11/13/00  
Sheet 59 of 61

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

Unit 2  
WID# 99-01211-000

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

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

4. Identification of system SAFETY INJECTION, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-63-626	CROSBY	N-69971-01-0002	NA	NA	2000	REPLACED	NO
		RV-1-8856B	NA	NA	2000	REPLACEMENT	NO

7. Description of Work REPLACED VALVE

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPECS 678758 AND 676257.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] MECH ENGR Date 13 NOVEMBER 2000  
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 2/25/00 to 11/30/00 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 TN3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November 30, 2000

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

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

Date 11/13/00  
Sheet 60 of 61

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

Unit 2  
WO# 99-012112-000

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

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

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
262649	CROSBY	RV-1-8123	NA	NA	2000	REPLACED	NO
		RV-2-8123	NA	NA	2000	REPLACE-MIGHT	NO

7. Description of Work REPLACED VALVE

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

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



FORM NIS-2 (Back)

9. Remarks

CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 678758 AND 676257.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date

NA

Signed

REPLACEMENT, MECH ENGR

Date

13 NOVEMBER 2000

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 10/2/00 to 11/30/00 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.

Michael J. [Signature]  
 Inspector's Signature

Commissions

TN3431

National Board, State, Province, and Endorsements

Date

November 30, 2000

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

1. Owner <u>Tennessee Valley Authority</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street, Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>11/8/00</u> Sheet <u>61</u> of <u>61</u> Unit <u>2</u> <u>WO# 99-0213-000</u> <div style="text-align: center;"><small>Repair Organization P.O. No., Job No., etc.</small></div>
2. Plant <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>Sequoyah Nuclear Plant</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Soddy-Daisy, TN, 37384-2000</u> <div style="text-align: center;"><small>Address</small></div>	

4. Identification of system CVCS, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-62-675	CROSBY	RV-1-8119	NA	NA	2000	REPLACED	NO
		RV-2-8119	NA	NA	2000	REPLACEMENT	NO

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

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

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

FORM NIS-2 (Back)

9. Remarks CONSTRUCTION CODE: CONTRACT 91934 AND  
Applicable Manufacturer's Data Reports to be Attached  
WESTINGHOUSE E-SPEC 678758 AND 676257

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] Date 10 NOVEMBER 2000  
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 10/2/00 to 11/29/00 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 3431  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date November, 29, 2000

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

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

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

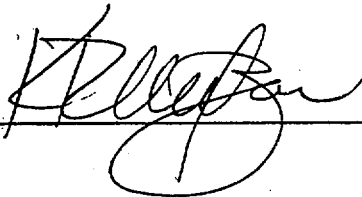
CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## APPENDIX C

### PRESSURE TEST REPORT

The inspection plan work required for the second outage of the second period of the second interval for Code Category B-P, Code Category C-H, Code Category D-A, Item number D1.10; Code Category D-B, Item number D2.10; and Code Category D-C, Item number D3.10 is on schedule. The following table is a tabulation of pressure test, results of pressure test and corrective measures taken.

PREPARED BY



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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

**System Pressure Tests**  
**Unit 2 Cycle 10**  
**Second Period of the Second Interval**

System	Test Package ID	Performance Date	Test Results
CVCS outside containment	P4180	6/7/00	No leakage identified
Excess Letdown	P4180	10/22/00	No leakage identified
SIS CLA's and associated piping	P4180	11/12/00	No leakage identified
RCS system leakage	P4197	11/12/00	No leakage identified
Sampling	P6245	11/12/00	No leakage identified
ERCW inside containment	P4180	10/23/00	No leakage identified
Containment Penetrations	P4180	11/8/00	No leakage identified
Floor Drains	P4180	11/4/00	No leakage identified
Glycol & Demin Water Containment Penetrations	P4180	11/8/00	No leakage identified
SPFPC Containment Penetrations	P4180	10/30/00	No leakage identified
ECCS Hot Leg and Cold Injection	P4180	10/27/00	No leakage identified
ECCS relief valve header	P3617	11/1/00	No leakage identified
CCS inside containment	P4180	10/22/00	No leakage identified
Main Steam and SGBD	P4180	11/12/00	Minor bonnet leak at 2-PCV-1-23 *
TDAFW Pump steam supply and exhaust. TDAFW supply and discharge	P4180	11/12/00	No leakage identified
FW and AFW outside containment	P4180	11/20/00	No leakage identified
CSS A Train	P4180	6/14/00	Minor flange leakage at 2-FCV-72-22, 2VLV-72-506, and 2-STN-72-33*
CSS B Train	P4180	6/21/00	Minor flange leakage at 2-VLV-72-507 and 2-STN-72-16*
RHR A Train	P4180	11/2/00	Minor flange leakage at 2-VLV-74-520, 2-VLV-74-514, 2-VLV-74-530, and 2-FT-63-92A.*
RHR B Train	P4180	11/6/00	No leakage identified
RHR Hot Leg Injection	P4180	10/23/00	No leakage identified
CCP A Train suction and discharge piping	P4180	7/11/00	Minor flange leakage at 2-VLV-62-509.*
SIS A Train Pump Room Piping	P4180	7/10/00	No leakage identified.

\*The leakage and associated components were evaluated and found acceptable for continued service.

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## APPENDIX D

### IWE METAL CONTAINMENT EVALUATIONS

The following are the evaluations performed for containment examinations performed during U2C10 for inaccessible areas and additional examinations in accordance with 10CFR 50.55a(b)(2)(x) for Class MC components.

PREPARED BY

Jeffery C. Noulant

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

## SUMMARY OF IWE METAL CONTAINMENT EVALUATIONS

The Unit 2 Cycle 10 Inservice Inspection of Class MC components included a total of five Notification of Indications (NOIs) for IWE Metal Containment evaluations. The following is a index of the NOIs for the evaluations that require reporting per 10CFR 50.55a(b)(2)(x).

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

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

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

CERTIFICATE OF AUTHORIZATION : NOT REQUIRED

### SUMMARY : IWE NOTIFICATION OF INDICATIONS

NOI NUMBER	COMPONENT IDENTIFIER
2-SQ-346	MB-1, MB-2 and MB-3 (SCV surface 12" above and 6" inches below)
DISPOSITION: Cleaned and repainted areas	
2-SQ-347	MB-2 and MB-3
DISPOSITION: Replaced all the moisture barrier.	
2-SQ-348	SCV-1, 2, 3, and 4 (G-J)
DISPOSITION: Cleaned and repainted areas	
2-SQ-353	X-001-BLT
DISPOSITION: Replaced one bolt.	
2-SQ-354	SCV-1 (D at 57° and 75°) SCV-2 (D at 104°) SCV-1 (E at 64°, 66°, 74°, and 77°) SCV-2 (E at 104°)
DISPOSITION: Cleaned and repainted areas.	



# NOTIFICATION OF INDICATION FORM

NOI No. 2-SQ-346 Plant/Unit SQN2 PART I - FINDINGS  
 ISI Dwg./Sh. No. CISI-2000-C-59  
 Examination Report No. SCV-0142 Component ID MB-1, MB-2 and MB-3(SVC surface 12"  
SCV-0143 above and 6" below)  
SCV-0148

Description of Indication (Sketch/Photograph if Required for Clarification):  
See attached sheets

Signature of Examiner/Certification Level: D. M. Carlin Date: 10/26/00  
 Signature of ISO Coordinator (Field Supervisor): Jeff Wade Date: 10/26/00  
 Signature of ISI Program Owner: Jeff Carlin Date: 10/27/00

## PART II - DISPOSITION

Re-coated wall at the moisture barrier SCV interface and remove/replace moisture barrier in accordance  
 with EDC E 20286A, inspect the crevice for material. See attached.

Administrative control document number (PER, WR/WO) if applicable: WO 98-008274-003

ASME XI Subsection IWE ☒ Yes ☐ No If Yes, complete the supplemental information Parts II and III  
 of Page 2 of this form in addition to Parts II, III, and IV, of  
 Page 1. If No, completion of Parts II and III of Page 2 of  
 this form is not required and attachment of Page 2 with Page  
 1 is not required.

Disposition Prepared/Recorded By: J. J. Adams Org. EV-NECH Date: 11/1/00

## PART III - ADDITIONAL EXAMINATIONS

Additional Sample Required [IW(X)-2430]: ☐ Yes ☒ No Page 2 of 2 additional ☐ Yes ☒ No  
 samples attached?

(Attach list of items in additional sample, if yes.)  
Jeff Carlin 11/1/00  
 ISI or CISI Program Owner Date

Successive Examination Required: ☐ Yes ☒ No  
Jeff Carlin 11/1/00  
 ISI or CISI Program Owner Date

## PART IV - VERIFICATION OF CLOSURE

Reexamination Report number, if Applicable: SCV-0144, SCV-0145 and SCV-0149  
 Signature of ISO Coordinator: Jeff Wade Date: 11/6/00

Finding resulted from performance of the General ☐ Yes ☒ No If Yes, concurrence of the Registered  
 visual Examination Professional Engineer (RPE) or  
 Individual Responsible for performance  
N/A is required (N/A otherwise): N/A  
 RPE/Responsible Engineer Date

Comments: \_\_\_\_\_

Verification of Complete Corrective Action Required by Disposition (Including Page 2, if applicable)  
 Signature of ISI or CISI Program Jeff Carlin Date: 11/6/00  
 Owner.

UNIT 2 MB-2 EXAMINATION  
INBOARD AREAS OF STEEL CONTAINMENT VESSEL CORROSION

Component ID	Area of Reportable Condition	Length/Size of Area	Description of Reportable Condition	Report No.
MB-2 Azimuth 175°-254° & 267° -303°	184' - 248'	64'	General oxidation & Rust	SCV-0142
	184' - 195'	11'	Minor Pitting < .125"	SCV-0142
	200' - 210'	10'	Minor Pitting < .125"	SCV-0142
	204'0" - 204'2"	2"	Pit 0.140" in depth	SCV-0142
	210' to 215'	5'	General oxidation & Rust	SCV-0142
	215' to 225'	10'	Minor Pitting Max. Depth X .125"	SCV-0142
	230'	1"	Isolated Pit < .125" in Depth	SCV-0142
	225' - 230'	5'	Minor Pitting < .125"	SCV-0142
	230'0 - 254'	24'	General oxidation & Rust	SCV-0142
	267'0 - 303'	36'	General oxidation & Rust	SCV-0142
	267'0 - 267' 2.25"	2.25"	Minor Pitting < .125"	SCV-0142
	268'5" - 269'	6"	Minor Pitting < .125"	SCV-0142
	273'6" - 273' 8.25"	2.25"	Minor Pitting < .125"	SCV-0142
	280'10" - 281' 1"	3"	Minor Pitting < .125"	SCV-0142

EXAMINED BY: Norm Siniako LEVEL: III

UNIT 2 MB-3 EXAMINATION  
INBOARD AREAS OF STEEL CONTAINMENT VESSEL CORROSION

Component ID	Area of Reportable Condition	Length/Size of Area	Description of Reportable Condition	Report No.
MB-3 Azimuth 303° - 60°	303' - 335'	32'	General oxidation & Rust	SCV-0143
	332' - 333' 6"	18"	Minor Pitting < .125"	SCV-0143
	335' 6" - 336'	6"	Line of Minor Corrosion	SCV-0143
	336' 0"	2"	Pit < 0.125" in depth	SCV-0143
	337' to 338'	1'	Line of Minor Corrosion	SCV-0143
	346' to 347'	1'	Line of Minor Corrosion	SCV-0143
	349' to 360	21'	Line of Minor Corrosion	SCV-0143
	335' - 360'	25'	General Corrosion < 1/32"	SCV-0143
	0'0 - 1'	1'	Line of Minor Corrosion	SCV-0143
	2'0 - 22'	20'	Line of Minor Corrosion	SCV-0143
	30'0 - 37'	7'	Line of Minor Corrosion	SCV-0143
	59' 6"	4"	Minor Pitting < .125"	SCV-0143
	41'	4"	Minor Pitting < .125"	SCV-0143
	48'	4"	Minor Pitting < .125"	SCV-0143
	50'	6"	Minor Pitting < .125"	SCV-0143
	37' to 56' 6"	19' 6"	General oxidation & Rust	SCV-0143

EXAMINED BY: D.K. M<sup>s</sup> Carlson LEVEL: II

EXAMINED BY: Norm Siniako LEVEL: III

UNIT 2 MB-1 EXAMINATION  
INBOARD AREAS OF STEEL CONTAINMENT VESSEL CORROSION

Component ID	Area of Reportable Condition	Length/Size of Area	Description of Reportable Condition	Report No.
MB-1 Azimuth 60° -175°	114' - 175'	61'	General oxidation & Rust	SCV-0148
	172' - 172'6"	6"	Minor Pitting < .125"	SCV-0148
	156' - 156'3"	3"	Minor Pitting < .125"	SCV-0148
	170' - 170'3"	3"	Minor Pitting < .125"	SCV-0148
	83' to 83'2"	2"	Minor Pitting < .062"	SCV-0148
	89'6"	1.5" Dia.	Minor wear	SCV-0148
	101' - 101'4"	4"	Minor Pitting < .062"	SCV-0148
	102' - 102'6"	6"	Minor Pitting < .062"	SCV-0148
	109'6" - 110	6"	Minor Pitting < .062"	SCV-0148

EXAMINED BY: D. K. McCarson LEVEL: II

**NOTIFICATION OF INDICATION FORM  
ATTACHMENT**

NOI No. 2-SQ-346

Plant/Unit SQN / UNIT 2

Examination Report No. SCV-0142  
SCV-0143  
SCV-0148

Component ID MB-1(60°-175°) (SCV surface  
MB-2 (175°-254° 12" above and  
& 267°-303°) 6" below)  
and MB-3 (303°  
-360° & 0°-60°)

**PART II - DISPOSITION (Attachment to Page 1 of 2) continued**

This NOI documents the indications noted during the VT-3 visual examination of the SCV interior surface in the vicinity of the moisture barrier at the interface of the SCV and raceway floor. This inspection was a result of a VT-3 visual examination of the moisture barrier integrity and is documented under NOI 2-SQ-347. The examination results identified degradation of the seal at various locations as noted in the examination report for NOI 2-SQ-347 (the seal was not adhered to the concrete and SCV interface). After removal of the moisture barrier the accessible areas adjacent to and beneath the moisture barrier were identified as having coating degradation. A VT-3 visual examination was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The examination identified conditions consisting of mild uniform corrosion, discoloration and minor pitting below the floor surface. There was one area at 273° 30' azimuth where the SCV wall thickness was slightly reduced due to corrosion mechanisms (ref. PER 00-08217-000), however ultrasonic thickness readings verified that there was no significant wall loss in this location (ref. Calc# SCG-CSG-88-091 and PER SQ981102PER). All areas were evaluated by engineering after surface cleaning or preparation.

All the moisture barrier was removed and the SCV surface was examined in accordance with the requirements of Table IWE-2500-1 Examination Category E-A and (IWE-2500(b)). The examination was performed from 12 inches above the floor to 6 inches below the floor interface. There was mild uniform corrosion, minor pitting and discoloration of the coating below the floor surface, with one suspect area at 273° 30' azimuth. There were no detrimental flaws or significant degradation of the SCV liner noted during the inspection.

All the existing moisture barrier along with the fiberglass filler in the crevice (6 inches below the surface) was removed and replaced with a polyurethane elastomeric material. This polyurethane elastomeric material will serve to fill the crevice area, act as the protective coating for the SCV, and provide a leak tight barrier. While the moisture barrier was removed a VT-3 examination was performed from 12 inches above the moisture barrier to 6 inches below the moisture barrier. This area is normally inaccessible due to the stainless steel flashing, insulation, and moisture barrier material (refer to drawing CISI-2000-C-59). There was one area at 273° 30' azimuth where the corrosion appeared to reduce the SCV wall thickness. This suspect area was located in the crevice 1.25 inches below the moisture barrier seal area. The area was cleaned and an ultrasonic examination performed to determine remaining SCV wall thickness (for the UT results refer to Report BOP-1058). The ultrasonic thickness readings verified that there was no significant wall loss in this location. To ensure that no further reduction in wall loss would occur in this area the SCV was coated and polyurethane elastomeric subsequently applied which also serves as the coating for SCV surface within the crevice area (6 inches below the floor level). The moisture barrier seal was replaced in accordance with EDC E20286A, re-examined and determined acceptable under VT-3 requirements.

Based on the information above, these SCV areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. The SCV area is acceptable for continued service, and no further corrective action is required.

Disposition Prepared By: Jack Adams *JaA*

Org. M/N

Date: 11/1/00

**NOTIFICATION OF INDICATION FORM  
SUBSECTION IWE**

Complete this page in addition to Page 1 for findings affecting Class MC/Subsection IWE.

NOI No. 2-SQ-346

Plant/Unit SQN / UNIT 2

Examination Report No. SCV-0142  
SCV-0143  
SCV-0148

Component ID MB-1 (60° -175°) (SCV surface 12"  
MB-2 (175°-254° above and 6"  
& 267°-303° below)  
and MB-3 (303°  
-360° & 0° -60°)

**PART II - DISPOSITION (Supplemental Information)**

Evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A)

(Include (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation; and (3) A description of necessary corrective actions) [additional separate continuation sheets may be attached, as necessary].

(SEE ATTACHED)

Corrective Action Program or Administrative Control document number WO 98-008274-003  
(PER, WR/WO) if applicable:

Disposition Prepared By: Jack Adams *JA* Org. M/N Date 11/1/00

**PART III - ADDITIONAL EXAMINATIONS (Supplemental Information)**

Additional examinations required per 10CFR50.55a(b)(2)(ix)(D) ☐ Yes ☒ No

If Yes, provide (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components [additional separate continuation sheets may be attached, as necessary].

(SEE ATTACHED)

Specified By: Jack Adams *JA* Org. M/N Date 11/1/00

**NOTIFICATION OF INDICATION FORM  
ATTACHMENT**

NOI No. 2-SQ-346

Plant/Unit SQN / UNIT 2

Examination Report No.

SCV-0142  
SCV-0143  
SCV-0148

Component ID

MB-1 (60° -175°) (SCV surface 12"  
MB-2 (175°-254° above and 6"  
& 267° -303°) below)  
and MB-3 (303°  
-360° & 0° -60°)

**PART II - DISPOSITION (Attachment to Page 2 of 2) continued**

This NOI documents the indications noted during the VT-3 visual examination of the SCV interior surface in the vicinity of the moisture barrier at the interface of the SCV and raceway floor. This inspection was a result of a VT-3 visual examination of the moisture barrier integrity and is documented under NOI 2-SQ-347. The examination results identified degradation of the seal at various locations as noted in the examination report for NOI 2-SQ-347 (the seal was not adhered to the concrete and SCV interface). After removal of the moisture barrier the accessible areas adjacent to and beneath the moisture barrier were identified as having coating degradation. A VT-3 visual examination was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The examination identified conditions consisting of mild uniform corrosion, discoloration and minor pitting below the floor surface. There was one area at 273° 30' azimuth where the SCV wall thickness was slightly reduced due to corrosion mechanisms (ref. PER 00-08217-000), however ultrasonic thickness readings verified that there was no significant wall loss in this location (ref. Calc# SCG-CSG-88-091 and PER SQ981102PER). All areas were evaluated by engineering after surface cleaning or preparation.

All the moisture barrier was removed and the SCV surface was examined in accordance with the requirements of Table IWE-2500-1 Examination Category E-A and (IWE-2500(b)). The examination was performed from 12 inches above the floor to 6 inches below the floor interface. There was mild uniform corrosion, minor pitting and discoloration of the coating below the floor surface, with one suspect area at 273° 30' azimuth. There were no detrimental flaws or significant degradation of the SCV liner noted during the inspection.

All the existing moisture barrier along with the fiberglass filler in the crevice (6 inches below the surface) was removed and replaced with a polyurethane elastomeric material. This polyurethane elastomeric material will serve to fill the crevice area, act as the protective coating for the SCV, and provide a leak tight barrier. While the moisture barrier was removed a VT-3 examination was performed from 12 inches above the moisture barrier to 6 inches below the moisture barrier. This area is normally inaccessible due to the stainless steel flashing, insulation, and moisture barrier material (refer to drawing CISI-2000-C-59). There was one area at 273° 30' azimuth where the corrosion appeared to reduce the SCV wall thickness. This suspect area was located in the crevice 1.25 inches below the moisture barrier seal area. The area was cleaned and an ultrasonic examination performed to determine remaining SCV wall thickness (for the UT results refer to Report BOP-1058). The ultrasonic thickness readings verified that there was no significant wall loss in this location. To ensure that no further reduction in wall loss would occur in this area the SCV was coated and polyurethane elastomeric subsequently applied which also serves as the coating for SCV surface within the crevice area (6 inches below the floor level). The moisture barrier seal was replaced in accordance with EDC E20286A, re-examined and determined acceptable under VT-3 requirements.

Based on the information above, these SCV areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. Therefore, there is no indication that an adverse condition exists in the area examined or that an adverse condition would be present in inaccessible areas.

Disposition Prepared By:

Jack Adams

Org. M/N

Date: 11/1/00

NOTIFICATION OF INDICATION FORM  
ATTACHMENT

NOI No. 2-SQ-346

Plant/Unit SQN / UNIT 2

Examination Report No.

SCV-0142  
SCV-0143  
SCV-0148

Component ID

MB-1 (60° -175°) (SCV surface  
MB-2 (175°-254° & 12" above and  
267° -303°) 6" below)  
and MB-3 (303° -  
360° & 0° -60°)

PART III- ADDITIONAL EXAMINATIONS (Attachment to Page 2of 2) continued

This NOI documents the indications noted during the VT-3 visual examination of the SCV interior surface in the vicinity of the moisture barrier at the interface of the SCV and raceway floor. This inspection was a result of a VT-3 visual examination of the moisture barrier integrity and is documented under NOI 2-SQ-347. The examination results identified degradation of the seal at various locations as noted in the examination report for NOI 2-SQ-347 (the seal was not adhered to the concrete and SCV interface). After removal of the moisture barrier the accessible areas adjacent to and beneath the moisture barrier were identified as having coating degradation. A VT-3 visual examination was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The examination identified conditions consisting of mild uniform corrosion, discoloration and minor pitting below the floor surface. There was one area at 273° 30' azimuth where the SCV wall thickness was slightly reduced due to corrosion mechanisms (ref. PER 00-08217-000), however ultrasonic thickness readings verified that there was no significant wall loss in this location (ref. Calc# SCG-CSG-88-091 and PER SQ981102PER). All areas were evaluated by engineering after surface cleaning or preparation.

All the moisture barrier was removed and the SCV surface was examined in accordance with the requirements of Table IWE-2500-1 Examination Category E-A and (IWE-2500(b)). The examination was performed from 12 inches above the floor to 6 inches below the floor interface. There was mild uniform corrosion, minor pitting and discoloration of the coating below the floor surface, with one suspect area at 273° 30' azimuth. There were no detrimental flaws or significant degradation of the SCV liner noted during the inspection.

All the existing moisture barrier along with the fiberglass filler in the crevice (6 inches below the surface) was removed and replaced with a polyurethane elastomeric material. This polyurethane elastomeric material will serve to fill the crevice area, act as the protective coating for the SCV, and provide a leak tight barrier. While the moisture barrier was removed a VT-3 examination was performed from 12 inches above the moisture barrier to 6 inches below the moisture barrier. This area is normally inaccessible due to the stainless steel flashing, insulation, and moisture barrier material (refer to drawing CISI-2000-C-59). There was one area at 273° 30' azimuth where the corrosion appeared to reduce the SCV wall thickness. This suspect area was located in the crevice 1.25 inches below the moisture barrier seal area. The area was cleaned and an ultrasonic examination performed to determine remaining SCV wall thickness (for the UT results refer to Report BOP-1058). The ultrasonic thickness readings verified that there was no significant wall loss in this location. To ensure that no further reduction in wall loss would occur in this area the SCV was coated and polyurethane elastomeric subsequently applied which also serves as the coating for SCV surface within the crevice area (6 inches below the floor level). The moisture barrier seal was replaced in accordance with EDC E20286A, re-examined and determined acceptable under VT-3 requirements.

Based on the information above, these SCV areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. The SCV area is acceptable for continued service, and no further corrective action is required. Therefore, additional examinations are not warranted.

Specified By

Jack Adams *JA*

Org. M/N

Date: 11/1/00



# NOTIFICATION OF INDICATION FORM

## PART I - FINDINGS

NOI No. 2-SQ-347 Plant/Unit SQN2 ISI Dwg./Sh. No. CISI-2000-C-59

Examination Report No. SCV-0139 Component ID MB-2 and MB-3  
SCV-0141

Description of Indication (Sketch/Photograph if Required for Clarification):  
See attached sheets

Signature of Examiner/Certification Level: [Signature] Date: 10/26/00  
 Signature of ISO Coordinator (Field Supervisor): [Signature] Date: 10/26/00  
 Signature of ISI Program Owner: [Signature] Date: 10/27/00

## PART II - DISPOSITION

Remove/replace moisture barrier in accordance with EDC E 20286A, inspect the crevice for material degradation

Administrative control document number (PER, WR/VO) if applicable: WO 98-008274-003

ASME XI Subsection IWE ☒ Yes ☐ No If Yes, complete the supplemental information Parts II and III of Page 2 of this form in addition to Parts II, III, and IV, of Page 1. If No, completion of Parts II and III of Page 2 of this form is not required and attachment of Page 2 with Page 1 is not required.

Disposition Prepared/Recorded By: [Signature] Org. EN-MECH Date: 11/1/00  
10/31/00 PRA

## PART III - ADDITIONAL EXAMINATIONS

Additional Sample Required [IW(X)-2430]: ☐ Yes ☒ No Page 2 of 2 additional samples attached? ☐ Yes ☒ No

SEE COMMENTS BELOW  
 (Attach list of items in additional sample, if yes.)  
[Signature] 11/1/00  
 ISI or CISI Program Owner Date

Successive Examination Required: ☐ Yes ☒ No  
[Signature] 11/1/00  
 ISI or CISI Program Owner Date

## PART IV - VERIFICATION OF CLOSURE

Reexamination Report number, if Applicable: SCV-0146 and SGV-0147  
 Signature of ISO Coordinator: [Signature] Date: 11/6/00

Finding resulted from performance of the General visual Examination ☐ Yes ☒ No If Yes, concurrence of the Registered Professional Engineer (RPE) or Individual Responsible for performance is required (N/A otherwise):  
N/A N/A  
 RPE/Responsible Engineer Date

Comments: This examination is for the additional sample based on the disposition of the examination performed on MB-1 During U2C9. (refer NOI 2-SQ-314 and 314A)

Verification of Complete Corrective Action Required by Disposition (Including Page 2, if applicable)  
 Signature of ISI or CISI Program Owner: [Signature] Date: 11/6/00

UNIT 2 MB-2 EXAMINATION  
AREAS OF MOISTURE BARRIER DETERIORATION

Component ID	Unacceptable Area	Unacceptable Condition	Length of Area	Report No.
MB-2 Azimuth 175° -254° & 267° -303°	267'0" to 268'	Concavity	12"	SCV-0139
	269'1" to 269'2"	Separated From SCV	1"	SCV-0139
	270'0" to 270'4"	4" Section torn 1/2" deep	4"	SCV-0139
	270'0" to 279'0"	Generalized Cracking	9'	SCV-0139
	280'0" to 284'0"	MB not bonded @ Concrete Interface	4'	SCV-0139
	285'0" to 290'0"	MB not bonded @ Concrete Interface	5'	SCV-0139
	290'0" to 303'0"	Cracked Surface	13'	SCV-0139
	249'6"	Tear in Moisture Barrier	4"	SCV-0139
	184'0" to 190'0"	MB not bonded @ Concrete Interface	6'	SCV-0139
	190'0" to 235'0"	General Deterioration, Concavity and Areas Not Bonded to Concrete.	45'	SCV-0139
	207'0"	Moisture Barrier is Split	2"	SCV-0139
	235'0" to 248'0"	MB Hard and Brittle	13'	SCV-0139
	175'0" to 184'0"	General Deterioration, and Areas Not Bonded to Concrete.	9'	SCV-0139

EXAMINED BY: D. K. M<sup>2</sup> Carlson LEVEL: III

EXAMINED BY: Norm Siniabo LEVEL: III

UNIT 2 MB-3 EXAMINATION  
AREAS OF MOISTURE BARRIER DETERIORATION

Component ID	Unacceptable Area	Unacceptable Condition	Length of Area	Report No.
MB-3 Azimuth 303° -60°	303'0" to 312'	Cracked Surface	9'	SCV-0141
	312'0" to 315'0"	Concavity	3'	SCV-0141
	315'0" to 317'0"	Cracked Surface	2'	SCV-0141
	317'0" to 335'0"	Cracked Surface	18'	SCV-0141
	335'0" to 360'0"	Cracked Surface	25'	SCV-0141
	336'0" to 338'0"	MB not bonded @ SCV Interface	2'	SCV-0141
	0'0" to 37'0"	Cracked Surface	37'	SCV-0141
	5'0" to 12'	Tear in Moisture Barrier	7'	SCV-0141
	23'0" to 25'0"	MB not bonded @ SCV Interface	2'	SCV-0141
	28'0" to 30'0"	MB not bonded @ SCV Interface	2'	SCV-0141
	25'0" to 27'	Duct Tape on Barrier	2'	SCV-0141
	57'0" to 57'6"	Concavity	6"	SCV-0141
	58'0" to 58'9"	General Deterioration, and Areas Not Bonded to Concrete.	9"	SCV-0141

EXAMINED BY:  LEVEL: II

EXAMINED BY: Norm Siniato LEVEL: III

NOTIFICATION OF INDICATION FORM  
SUBSECTION IWE

Complete this page in addition to Page 1 for findings affecting Class MC/Subsection IWE.

NOI No. 2-SQ-347

Plant/Unit SQN / UNIT 2

Examination Report No. SCV-0139  
SCV-0141

Component ID MB-2 (175°-254°  
& 267°-303°) and  
MB-3 (303°-360  
° & 0°-60°)

PART II - DISPOSITION (Supplemental Information)

Evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A)

(Include (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation; and (3) A description of necessary corrective actions) [additional separate continuation sheets may be attached, as necessary].

(SEE ATTACHED)

Corrective Action Program or Administrative Control document number WO 98-008274-003  
(PER, WR/WO) if applicable:

Disposition Prepared By: Jack Adams *JAA* Org. M/N Date 11/1/00

PART III - ADDITIONAL EXAMINATIONS (Supplemental Information)

Additional examinations required per 10CFR50.55a(b)(2)(ix)(D) ☐ Yes ☐ No

If Yes, provide (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components [additional separate continuation sheets may be attached, as necessary].

(SEE ATTACHED)

Specified By: Jack Adams *JAA* Org. M/N Date: 11/1/00

NOTIFICATION OF INDICATION FORM  
ATTACHMENT

NOI No. 2-SQ-347

Plant/Unit SQN / UNIT 2

Examination Report No. SCV-0139  
SCV-0141

Component ID MB-2 (175°-254°  
& 267°-303°) and  
MB-3 (303°-360°  
& 0°-60°)

PART II - DISPOSITION (Attachment to Page 2 of 2) continued

These additional examinations are based on the disposition of the examinations performed on MB-1 during the Unit 2 Cycle 9 outage. Per the disposition of NOI's 2-SQ-314 and 314A the required additional examination was to examine the remaining MB (MB-2 and MB-3) accessible areas following U2C9 but no later than September 8, 2001 (end of the first period). These areas MB-2 and MB-3 were examined during U2C10. This NOI documents the indications noted during the VT-3 examination of these moisture barrier areas at the interface between the SCV and the raceway floor. Moisture barrier (MB-2) extends from azimuths 175° to 303° (excluding the fuel transfer concrete enclosure from azimuth 254° to 267° where the moisture barrier does not exist) and MB-3 extends from azimuth 303° to 360° and 0° to 60° and both areas were examined in accordance with the requirements of Table IWE-2500-1 Examination Category E-D. The examination results identified degradation of the seal at various locations as noted in the examination report (the seal is not adhered to the concrete interface, torn, cracking and separated from the SCV).

There was one degradation identified for the SCV surface in the seal area. The SCV was evaluated under NOI 2-SQ-346 and determined acceptable. The other areas of the SCV (12 inches above and 6 inches below the MB) did not show any major degradation. The accessible area of the SCV wall was recoated in accordance with site procedures. The remaining moisture barrier seal appeared to have good adherence to the SCV and concrete floor. All the existing moisture barrier (MB-1, 2 and 3) along with the fiberglass filler in the crevice (6 inches below the surface) was removed and replaced with a polyurethane elastomeric material. This polyurethane elastomeric material will serve to fill the crevice area, act as the protective coating for the SCV, and provide a leak tight barrier. While the moisture barrier was removed a VT-3 examination was performed from 12 inches above the moisture barrier to 6 inches below the moisture barrier. Also the SCV wall at the moisture barrier interface was re-coated. This area is normally inaccessible due to the stainless steel flashing, insulation and moisture barrier material (refer to drawing CISI-2000-C-59). Examination results (minor pitting and corrosion) for this area (12 inches above to 6 inches below the moisture barrier surface) are documented on NOI 2-SQ-346. There was one area at 273° 30' azimuth where corrosion caused slight reduction in the SCV wall thickness (ref. PER 00-08217-000). This suspect area was located in the crevice 1.25 inches below the moisture barrier seal area. This area was cleaned and an ultrasonic examination performed (for the UT results refer to Report BOP-1058). The ultrasonic thickness readings verified that there was no significant wall loss in this location (ref. Calc# SCG-CSG-88-091 and PER SQ981102PER). To ensure that no further SCV wall reduction would occur would occur in the MB area of the SCV was recoated and the polyurethane elastomeric subsequently applied which also will serve as the coating in the moisture barrier area. The moisture barrier seal was replaced in accordance with EDC E20286A, re-examined and determined acceptable under VT-3 requirements. Based on the information above, there is no indication that an adverse condition exists in the areas examined or that an adverse condition would be present in inaccessible areas.

Disposition Prepared By:

Jack Adams *JA*

Org. M/N

Date: 11/16/01

NOTIFICATION OF INDICATION FORM  
ATTACHMENT

NOI No. 2-SQ-347

Plant/Unit SQN / UNIT 2

Examination Report No. SCV-0139  
SCV-0141

Component ID MB-2 (175°-254°  
& 267°-303°) and  
MB-3 (303°-360°  
& 0°-60°)

PART III- ADDITIONAL EXAMINATIONS (Attachment to Page 2 of 2) continued

These additional examinations are based on the disposition of the examinations performed on MB-1 during the Unit 2 Cycle 9 outage. Per the disposition of NOI's 2-SQ-314 and 314A the required additional examination was to examine the remaining MB (MB-2 and MB-3) accessible areas following U2C9 but no later than September 8, 2001 (end of the first period). These areas MB-2 and MB-3 were examined during U2C10. This NOI documents the indications noted during the VT-3 examination of these moisture barrier areas at the interface between the SCV and the raceway floor. Moisture barrier (MB-2) extends from azimuths 175° to 303° (excluding the fuel transfer concrete enclosure from azimuth 254° to 267° where the moisture barrier does not exist) and MB-3 extends from azimuth 303° to 360° and 0° to 60° and both areas were examined in accordance with the requirements of Table IWE-2500-1 Examination Category E-D. The examination results identified degradation of the seal at various locations as noted in the examination report (the seal is not adhered to the concrete interface, torn, cracking and separated from the SCV).

There was one degradation identified for the SCV surface in the seal area. The SCV was evaluated under NOI 2-SQ-346 and determined acceptable. The other areas of the SCV (12 inches above and 6 inches below the MB) did not show any major degradation. The accessible area of the SCV wall was recoated in accordance with site procedures. The remaining moisture barrier seal appeared to have good adherence to the SCV and concrete floor. All the existing moisture barrier (MB-1, 2 and 3) along with the fiberglass filler in the crevice (6 inches below the surface) was removed and replaced with a polyurethane elastomeric material. This polyurethane elastomeric material will serve to fill the crevice area, act as the protective coating for the SCV, and provide a leak tight barrier. While the moisture barrier was removed a VT-3 examination was performed from 12 inches above the moisture barrier to 6 inches below the moisture barrier. This area is normally inaccessible due to the stainless steel flashing, insulation and moisture barrier material (refer to drawing CISI-2000-C-59). Examination results (minor pitting and corrosion) for this area (12 inches above to 6 inches below the moisture barrier surface) are documented on NOI 2-SQ-346. There was one area at 273° 30' azimuth where the corrosion appeared to reduce the SCV wall thickness (ref. PER 00-08217-000). This suspect area was located in the crevice 1.25 inches below the moisture barrier seal area. This area was cleaned and an ultrasonic examination performed (for the UT results refer to Report BOP-1058). The ultrasonic thickness readings verified that there was no significant wall loss in this location (ref. Calc# SCG-CSG-88-091 and PER SQ981102PER). To ensure that no further reduction would occur in the MB area of the SCV was coated and the polyurethane elastomeric subsequently applied which will serve as the coating for the area at the moisture barrier. The moisture barrier seal was replaced in accordance with EDC E20286A, re-examined and determined acceptable under VT-3 requirements.

Additional examinations are not required because this completes 100% of the examination in Examination Category E-D, Item number E5.30 (moisture barrier).

Specified By Jack Adams *JA*

Org. M/N

Date: 11/1/00

# NOTIFICATION OF INDICATION FORM

NOI No. 2-SQ-348 Plant/Unit SQN2 PART I - FINDINGS  
 ISI Dwg./Sh. No. CISI-2000-C-08  
 Examination Report No. SCV-0151 Component ID SCV-1,2,3 and 4 (G-J)  
SCV-0152  
SCV-0153  
SCV-0154

Description of Indication (Sketch/Photograph if Required for Clarification):  
GENERAL RUST AND DISCOLORATION ON CONTAINMENT LINER IN  
THE ANNULUS

Signature of Examiner/Certification Level: D.K. McLaughlin II Date: 10/26/00  
 Signature of ISO Coordinator (Field Supervisor): Jeffrey Tolant Date: 10/26/00  
 Signature of ISI Program Owner: Jeffrey Tolant Date: 10/27/00

## PART II - DISPOSITION

See Attached

Administrative control document number (PER, WR/WO) if applicable: WR-C442282, 83 and 84

ASME XI Subsection IWE ☒ Yes ☐ No If Yes, complete the supplemental information Parts II and III of Page 2 of this form in addition to Parts II, III, and IV, of Page 1. If No, completion of Parts II and III of Page 2 of this form is not required and attachment of Page 2 with Page 1 is not required.

Disposition Prepared/Recorded By: R. D. Gault Org. NE Date: 11/3/00

## PART III - ADDITIONAL EXAMINATIONS

Additional Sample Required [IW(X)-2430]: ☐ Yes ☒ No Page 2 of 2 additional samples attached? ☐ Yes ☒ No

(Attach list of items in additional sample, if yes.)

Successive Examination Required: ☐ Yes ☒ No  
 ISI or CISI Program Owner Date: Jeffrey Tolant 11/4/00

## PART IV - VERIFICATION OF CLOSURE

Reexamination Report number, if Applicable: SCV-0162 SCV-0163, SCV-0164 & SCV-0165  
 Signature of ISO Coordinator: Jeffrey Tolant Date: 11/6/00

Finding resulted from performance of the General visual Examination ☐ Yes ☒ No If Yes, concurrence of the Registered Professional Engineer (RPE) or Individual Responsible for performance is required (N/A otherwise):  
N/A N/A  
 RPE/Responsible Engineer Date

Comments:

Verification of Complete Corrective Action Required by Disposition (Including Page 2, if applicable)  
 Signature of ISI or CISI Program Owner: Jeffrey Tolant Date: 11/7/00  
 Owner:

NOTIFICATION OF INDICATION FORM  
ATTACHMENT

NOI No.: 2-SQ-348

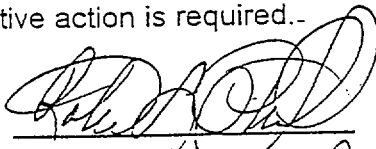
Plant/Unit: SQN/UNIT 2

Examination Report No.: SCV-0151, 0152, 0153, and 0154

Component ID: SCV-1, 2, 3, 4(G-J)

PART II - DISPOSITION, page 1 of 2

This NOI documents the indications noted during the VT-3 visual examinations of the Steel Containment Vessel (SCV) exterior surface areas. The areas examined have been identified for coating repair, and this VT-3 visual examination was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The examination identified indications consisting of minor rusting and discoloration. The containment surfaces examined are identified on the listed examination reports and were visually inspected and evaluated after surface preparation. The SCV surface, stiffeners, and penetrations showed minor corrosion and pitting, with no visible signs of active corrosion. The surface condition (minor corrosion and pitting) appeared to be pitting from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas will be re-coated according to site procedure M&AI-5.3. A VT-3 preservice examination will be performed on these areas following reapplication of the coatings to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required.

Prepared By: 

Org. NE 11/3/00

R. Dana Gault

NE

11/1/00

FOR I-J



NOTIFICATION OF INDICATION FORM  
SUBSECTION IWE

Complete this page in addition to Page 1 for findings affecting Class MC/Subsection IWE.

NOI No. 2-SQ-348 Plant/Unit SQN/Unit 2  
Examination Report No. SCV-0151 Component ID SCV 1,2,3,4 (G-J)  
SCV-0152  
SCV-0153  
SCV-0154

PART II - DISPOSITION (Supplemental Information)

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

This NOI documents the indications noted during the VT-3 visual examination of the SCV exterior surface areas horizontal stiffener G to horizontal stiffener J, and vertical stiffeners 1 through 360. (Refer to drawing CISI-2000-08 for details.) The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface, stiffeners, and penetrations showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. The corrosion damage appeared to be from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. Based on this information, there is no indication that an adverse condition exists in the areas examined or that an adverse condition would be present in inaccessible areas.

Corrective Action Program or Administrative Control document number  
(PER, WR/WO) if applicable:

Disposition Prepared By: [Signature] Org. NE Date 11/3/00

PART III - ADDITIONAL EXAMINATIONS (Supplemental Information)

Additional examinations required per 10CFR50.55a(b)(2)(ix)(D) ☐ Yes ☒ No  
If Yes, provide (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components [additional separate continuation sheets may be attached, as necessary].

This NOI documents the indications noted during the VT-3 visual examination of the SCV exterior surface areas from horizontal stiffener G to horizontal J, and vertical stiffeners 1 through 360. (Refer to drawing CISI-2000-08 for details). The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface, stiffeners, and penetrations showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. The corrosion damage appeared to be from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. The areas will be recoated according to site procedures. A VT-3 preservice examination will be performed on these areas following reapplication of the coatings to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required. Therefore, additional examinations are not warranted.

Specified By: [Signature] Org. NE Date: 11/3/00  
[Signature] NE 11/1/00  
For I-J

NOTIFICATION OF INDICATION FORM

NOI No. 2-SQ-353 Plant/Unit SCV/ua PART I - FINDINGS  
ISI Dwg./Sh. No. CISI-2000-C-47

Examination Report No. SCV-0157 Component ID X-001-BLT

Description of Indication (Sketch/Photograph if Required for Clarification): Physical damage  
to bolt #5 (bolt @ thread area), impairs assembly.  
Equipment hatch bolt.

Signature of Examiner/Certification Level: D. F. McCarroll II Date: 10/29/00  
Signature of ISO Coordinator (Field Supervisor): [Signature] Date: 10/30/00  
Signature of ISI Program Owner: Jeff A. Tolat Date: 10/30/00

PART II - DISPOSITION  
Replace bolt #5

Administrative control document number (PER, WR/WO) if applicable: WO 00-000595-000

ASME XI Subsection IWE ☒ Yes ☐ No If Yes, complete the supplemental information Parts II and III  
of Page 2 of this form in addition to Parts II, III, and IV, of  
Page 1. If No, completion of Parts II and III of Page 2 of  
this form is not required and attachment of Page 2 with Page  
1 is not required.

Disposition Prepared/Recorded By: [Signature] Org. Eng. Dept Date: 10/30/00

PART III - ADDITIONAL EXAMINATIONS

Additional Sample Required [IW(X)-2430]: ☐ Yes ☒ No Page 2 of 2 additional ☐ Yes ☒ No  
samples attached?

(Attach list of items in additional sample, if yes.)

Jeff A. Tolat 11/1/00  
ISI or CISI Program Owner Date

Successive Examination Required: ☐ Yes ☒ No Jeff A. Tolat 11/1/00  
ISI or CISI Program Owner Date

PART IV - VERIFICATION OF CLOSURE

Reexamination Report number, if Applicable: SCV-0158 (PSI- Replacement Bolt)  
Signature of ISO Coordinator: [Signature] Date: 11/2/00

Finding resulted from performance of the General ☐ Yes ☒ No If Yes, concurrence of the Registered  
visual Examination Professional Engineer (RPE) or  
Individual Responsible for performance  
is required (N/A otherwise):  
N/A N/A  
RPE/Responsible Engineer Date

Comments: \_\_\_\_\_

Verification of Complete Corrective Action Required by Disposition (Including Page 2, if applicable)  
Signature of ISI or CISI Program Jeff A. Tolat Date: 11/2/00  
Owner:

NOTIFICATION OF INDICATION FORM  
SUBSECTION IWE

Complete this page in addition to Page 1 for findings affecting Class MC/Subsection IWE.

NOI No. 2-SQ-353 Plant/Unit SQN/2  
Examination Report No. SCV0157 Component ID SCV X-001-BLT

PART II - DISPOSITION (Supplemental Information)

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

This NOI includes the disposition of the VT-1 inspection of the bolting from PEN X-001 (equipment hatch). The twenty bolts were examined in accordance with the requirements of IWE 2500. The damage was mechanical in nature to one of the bolts (bolt #5) that appeared to be associated with assembly and disassembly of the equipment hatch. There were no visible signs of other damage mechanisms. The physical damage was bending in the bolt in the thread area. This bending was in the load carrying area. There was no damage to the nut. There was no signs of the reduction of the cross sectional area or thread damage. Based on the information above, there is no indication that an adverse condition exist which may be present in inaccessible areas. The damaged bolt was replaced. The examination was limited to PEN X-001.

Corrective Action Program or Administrative Control document number WO 00-000595-000  
(PER, WR/WO) if applicable:

Disposition Prepared By: Jack Adams *JJA* Org. ENG-MECH Date 10/30/00

PART III - ADDITIONAL EXAMINATIONS (Supplemental Information)

Additional examinations required per 10CFR50.55a(b)(2)(ix)(D) ☐ Yes ☒ No  
If Yes, provide (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components [additional separate continuation sheets may be attached, as necessary].

The bolted joint on PEN X-001 (equipment hatch) had mechanical damage to one bolt (bolt #5) that appeared to associated with the assembly and disassembly of the equipment hatch. The physical damage was bending in one of the bolts in the thread area. None of the damage appeared to be service induced. There was no signs of thread damage and/or reduction of cross sectional area. There are no other bolted connections similar to this, and all twenty bolts were examined for this connection. The damaged bolt was replaced. Therefore, no additional examinations are required.

Specified By: Jack Adams *JJA* Org. ENG-MECH Date: 10/30/00  
*Roger Malt* ENG-Civil 10/30/00  
*Roger Givh*

# NOTIFICATION OF INDICATION FORM

NOI No. 2-SQ-354 Plant/Unit SQN2 **PART I - FINDINGS** ISI Dwg./Sh. No. CISI-2000-C-08

Examination Report No. SCV-0155 Component ID SCV-1(D at 57° and 75°)  
SCV-0156 SCV-2(D at 104°)  
SCV-1(E at 64°, 66°, 74° and 77°)  
SCV-2(E at 104°)

Description of Indication (Sketch/Photograph if Required for Clarification): \_\_\_\_\_

General rust and discoloration on the containment liner in the annulus

Signature of Examiner/Certification Level: DK M<sup>s</sup> (Amplified) Date: 10/29/00  
 Signature of ISO Coordinator (Field Supervisor): [Signature] Date: 10/31/00  
 Signature of ISI Program Owner: Jeffrey Choulat Date: 11/1/00

## PART II - DISPOSITION

See Attached

Corrective Action Program or Administrative Control document number (PER, WR/WO) if applicable: WR-C442282

ASME XI Subsection IWE ☒ Yes ☐ No If Yes, complete the supplemental information Parts II and III of Page 2 of this form in addition to Parts II, III, and IV, of Page 1. If No, completion of Parts II and III of Page 2 of this form is not required and attachment of Page 2 with Page 1 is not required.

Disposition Prepared/Recorded By: [Signature] Org. NE Date: 11/3/00

## PART III - ADDITIONAL EXAMINATIONS

Additional Sample Required [IW(X)-2430]: ☐ Yes ☒ No Page 2 of 2 additional samples attached? ☐ Yes ☒ No

(Attach list of items in additional sample, if yes.)

Successive Examination Required: ☐ Yes ☒ No Jeffrey Choulat 11/4/00  
 ISI or CISI Program Owner Date  
Jeffrey Choulat 11/4/00  
 ISI or CISI Program Owner Date

## PART IV - VERIFICATION OF CLOSURE

Reexamination Report number, if Applicable: SCV-0160 & SCV-0159  
 Signature of ISO Coordinator: [Signature] Date: 11/6/00

Finding resulted from performance of the General visual Examination ☐ Yes ☒ No If Yes, concurrence of the Registered Professional Engineer (RPE) or Individual Responsible for performance is required (N/A otherwise):  
N/A N/A  
 RPE/Responsible Engineer Date

Comments: \_\_\_\_\_

Verification of Complete Corrective Action Required by Disposition (Including Page 2, if applicable)  
 Signature of ISI or CISI Program Owner: Jeffrey Choulat Date: 11/6/00

NOTIFICATION OF INDICATION FORM  
ATTACHMENT

NOI No.: 2-SQ-354

Plant/Unit: SQN/UNIT 2

Examination Report No.: SCV-0155 and 0156

Component ID: SCV-1(D at 57°, and 75°); SCV-2(D at 104°)  
SCV-1(E at 64°, 66°, 74° and 77°); and SCV-2(E at 104°)

PART II - DISPOSITION, page 1 of 2

This NOI documents the indications noted during the VT-3 visual examinations of the Steel Containment Vessel (SCV) exterior surface areas. The areas examined have been identified for coating repair, and this VT-3 visual examination was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The examination identified indications consisting of minor rusting and discoloration. The containment surfaces examined are identified on the listed examination reports and were visually inspected and evaluated after surface preparation. The SCV surface and stiffeners showed minor corrosion and pitting, with no visible signs of active corrosion. The surface condition (minor corrosion and pitting) appeared to be pitting from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. These areas will be re-coated according to site procedure M&AI-5.3. A VT-3 preservice examination will be performed on these areas following reapplication of the coatings to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required.

Prepared By: \_\_\_\_\_

Org. NE

**NOTIFICATION OF INDICATION FORM  
SUBSECTION IWE**

Complete this page in addition to Page 1 for findings affecting Class MC/Subsection IWE.

NOI No. 2-SQ-354

Plant/Unit SQN/

Examination Report No. SCV-0155  
SCV-0156

Component ID SCV-1(D at  
57° and 75°)  
SCV-2(D at 104°)  
SCV-1(E at 64°,  
66°, 74° and 77°)  
SCV-2(E at 104°)

**PART II - DISPOSITION (Supplemental Information)**

Evaluation of inaccessible areas as required by 10CFR50.55a(b)(2)(ix)(A)

(Include (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation; (2) An evaluation of each area, and the result of the evaluation; and (3) A description of necessary corrective actions) [additional separate continuation sheets may be attached, as necessary].

This NOI documents the indications noted during the VT-3 visual examination of the SCV exterior surface areas on horizontal stiffener D at azimuths 57, 75 and 104; and horizontal stiffener E at azimuths 64, 66, 74, 77 and 104. (Refer to drawing CISI-2000-08 for details) The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface and stiffeners showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. The corrosion damage appeared to be from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. Based on this information, there is no indication that an adverse condition exists in the areas examined or that an adverse condition would be present in inaccessible areas.

Corrective Action Program or Administrative Control document number WR C442282  
(PER, WRWO) if applicable:

Disposition Prepared By:

Org.

NE

Date

11/3/00

**PART III - ADDITIONAL EXAMINATIONS (Supplemental Information)**

Additional examinations required per 10CFR50.55a(b)(2)(ix)(D) ☐ Yes ☒ No

If Yes, provide (1) A description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation; (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components; (3) A description of the necessary corrective actions; and (4) The number and type of additional examinations to ensure detection of similar degradation in similar components [additional separate continuation sheets may be attached, as necessary].

This NOI documents the indications noted during the VT-3 visual examination of the SCV exterior surface areas on horizontal stiffener D at azimuths 57, 75 and 104; and horizontal stiffener E at azimuths 64, 66, 74, 77 and 104. (Refer to drawing CISI-2000-08 for details). The areas examined were identified for coating repairs, and this visual examination (VT-3) was performed prior to surface preparation to satisfy the requirements of IWE-2500(b). The SCV surface and stiffeners showed minor corrosion, rusting, and pitting, with no visible signs of active corrosion. The areas examined did not show any significant wall loss or gross degradation. The corrosion damage appeared to be from original construction. These areas are not considered suspect and do not impact the structural integrity or leak tightness of the SCV. No detrimental flaws were observed. The areas will be re-coated according to site procedures. A VT-3 preservice examination will be performed on these areas following reapplication of the coatings to satisfy the requirements of IWE-2200(g). The component is acceptable for continued service, and no further corrective action is required. Therefore, additional examinations are not warranted.

Specified By:

Org.

NE

Date:

11/3/00