

Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

JUN 2 3 2005

10 CFR 50.55(a)

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D. C. 20555-0001

Gentlemen:

In the Matter of) Docket No.50-390 Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI INSERVICE INSPECTION (ISI) SUMMARY REPORT FOR THE SIXTH CYCLE OF OPERATION

The purpose of this letter is to provide the ISI Summary Report within 90 days of completion of the inspections which occurred at the end of the refueling outage as required by ASME Section XI, IWA-6230 of the 1989 Edition of the ASME Section XI Code. The WBN Unit 1 Cycle 6 Refueling Outage is the first of two outages in the Third Period of the First Inservice Inspection Interval. To coincide with the Cycle 7 Refueling Outage, the first interval has been extended in accordance with IWA-2430(d) to end on December 26, 2006.

This summary report documents the results of the ASME Section XI examinations, tests, repairs, and replacements performed during the sixth cycle of operations of TVA's WBN Unit 1. Included in the Cycle 6 Summary Report is the summary of ISI examinations and results; summary of steam generator tube eddy current examinations and results; summary of pressure tests and results; and, a summary of repairs and replacements as documented on ASME Forms, NIS-2.

ACHI

U.S. Nuclear Regulatory Commission Page 2

'JUN 2 3 2005

There are no regulatory commitments associated with this submittal. If you have any questions about this report, please contact me at (423) 365-1824.

Sincerely,

P. L. Pace

Manager, Site Licensing and Industry Affairs

Enclosure

1. ASME Section XI Inservice Inspection Summary Report Sixth Refueling Cycle

Cc: (Enclosure)

NRC Resident Inspector Watts Bar Nuclear Plant 1260 Nuclear Plant Road Spring City, Tennessee 37381

Mr. D. V. Pickett, Project Manager U.S. Nuclear Regulatory Commission MS 08G9a One White Flint North 11555 Rockville Pike Rockville, Maryland 20852-2738

U.S. Nuclear Regulatory Commission Region II Sam Nunn Atlanta Federal Center 61 Forsyth St., SW, Suite 23T85 Atlanta, Georgia 30303

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI

INSERVICE INSPECTION SUMMARY REPORT

SIXTH REFUELING CYCLE

TENNESSEE VALLEY AUTHORITY'S WATTS BAR NUCLEAR PLANT UNIT 1

ASME SECTION XI
INSERVICE INSPECTION
SUMMARY REPORT

SIXTH REFUELING CYCLE

Owner:

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Chattanooga, TN 37402

Unit: 1

7

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: N/A National Board Number for Unit: N/A

CONCURRENCE AND APPROVAL SHEET

Name	Title	Signature	Date
Prepared by:	ISI		, /
K. E. Casey	Program Engineer	Sum Elasay	04/21/05
Concurred by:		. 0	
J. M. Lockwood	ISO Site ISI/NDE Coordinator	Janem Forkwood	4/26/05
M. C. Welch	ISO NDE Level III	State Welch	4/22/05
G. L. Johnson	System Pressure Test Engineer	Jary John	4/26/05
E. D. Camp	Steam Generator Specialist	Emmitt Car	2240:05
J. K. McClanahan	Corporate ISI Specialist	Gerry L. M.C.	and
M. D. Davis	Component Engineering Manager	M. la le laque le	Pavis 4/21/as
Approved by:		,	
K. A. Lovell	System Engineering Manager	Kazd-bull	6/8/05

Chattanooga Office Complex

1101 Market Street

Chattanooga, TN 37402

Unit: 1

۶

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization: N/A
National Board Number for Unit: N/A

TABLE OF CONTENTS

Concurrence Sheet	2
Table of Contents	3
Cover Sheet	4
Form NIS-1	5
Form NIS-1 for ISI Examinations	7
Introduction and Summary of the Inspection	11
Table 1, Summary of Cycle 6 ISI Examinations	12
Summary of Requests for Relief	13
Appendices	

Appendix I, ISI Examination Plan

Appendix II, Augmented Examination Plan

Appendix III, Steam Generator Tube Eddy Current Summary

Appendix IV, Pressure Test Report Summary

Appendix V, Report for Repairs and Replacements, Form NIS-2

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

Cover Sheet

Tennessee Valley Authority Owner:

Address of Corporate Office: Chattanooga Office Complex

1101 Market Street

Chattanooga, Tennessee 37402-2801

Name and Address of Nuclear Power Watts Bar Nuclear Plant

> Plant: P.O. Box 2000

Spring City, Tennessee 37381-2000

Applicable Nuclear Power Units: Watts Bar Nuclear Plant, Unit 1

Commercial Operation Date: May 27, 1996

Document Completion Date: April 21, 2005

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

NIS-1 FOR THE ISI EXAMINATION PLAN

FORM N	IIS-1 OWNERS' REPORT As required by the Provision		-	TONS								
1. Owner Tennessee Valley Authority, 1101 Market St. Chattanooga, TN 37402-2801 (Name and Address of Owner)												
2. Plant Watts Bar Nuclear Plant, P.O. Box 2000, Spring City, TN 37381-2000 (Name and Address of Plant)												
3. Plant Unit Or	ne (1) 4. Owner Certi	ficate of Authoriza	tion (if required)	Not Required								
5. Commercial Serv	rice Date May 27, 1996 6.	National Board Nu	mber for Unit N	Ione Assigned								
7. Components Insp	pected											
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.								
See Appendix I, Examination Plan, for List of Components	Tennessee Valley Authority	N/A	N/A	N/A								

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Chattanooga Office Complex 1101 Market Street Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization: N/A
National Board Number for Unit: N/A

FORM NIS-1 (Back)

8. Examination Dates: December 19, 2003 to March 23, 2005
8. Examination Dates: December 19, 2003 to March 23, 2005 9. Inspection Period Identification: Third
10. Inspection Interval Identification: First
11. Applicable Edition of Section XI: 1989 Addenda N/A
12. Date/Revision of Inspection Plan: December 6, 2004/1-TRI-0-10, Revision 12
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Appendix I
14. Abstract of Results of Examinations and Tests. See Appendix I
15. Abstract of Corrective Measures. No corrective measures required this inspection.
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A Date 04/21 20 05 Signed Tennessee Valley Authority By 2 Cases
Owner ZSZ SPECIALIST 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
Inspector's Signature Commissions TN 253 9 National Board, State, Province and Endorsements
Date

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A

NIS-1 FOR STEAM GENERATOR TUBE EDDY CURRENT EXAMINATIONS

FORM N	IIS-1 OWNERS' REPORT As required by the Provisions			IONS										
1. Owner Tennessee Valley Authority, 1101 Market St. Chattanooga, TN 37402-2801 (Name and Address of Owner)														
2. Plant W	Plant Watts Bar Nuclear Plant, P.O. Box 2000, Spring City, TN 37381-2000 (Name and Address of Plant)													
3. Plant Unit One (1) 4. Owner Certificate of Authorization (if required) Not Required														
5. Commercial Serv	rice Date <u>May 27, 1996</u> 6. N	ational Board Nur	nber for Unit No	one Assigned										
7. Components Insp	pected													
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.										
See Appendix III, Steam Generator Tube Examination Summary	Tennessee Valley Authority	N/A	N/A	N/A										
1-SGEN-068-SG1	Westinghouse Electric Corp	1591	N/A	W10286										
1-SGEN-068-SG2	Westinghouse Electric Corp	1592	N/A	W10287										
1-SGEN-068-SG3	Westinghouse Electric Corp	1593	N/A	W10288										
1-SGEN-068-SG4	Westinghouse Electric Corp	1594	N/A	W10289										

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402 Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A

	F)	ORM NIS-1 (Bacl	()		
8. Examination Dates	March 02, 2005	to _1	March 23, 200	05	
9. Inspection Period I	dentification: This	d			
10. Inspection Interval	dentification: Firs				
11. Applicable Edition	of Section XI: 198	Adder	ida <u>N/A</u>		
12. Date/Revision of Ir	spection Plan: Nov	ember 18, 2004/1-	SI-68-907, Re	vision 14	· · · · · · · · · · · · · · · · · · ·
13. Abstract of Examir concerning status	ations and Tests. Incl f work required for th	ude a list of exami E Inspection Plan.	nations and te See Appendi	sts and a statemer	nt 05
14. Abstract of Results	of Examinations and	Tests. See Append	lix III	•	
15. Abstract of Correct	ve Measures. See Ap	endix III			•
Certificate of Authoriza					
	20 Signed	ennessee Valley A	uthority By	Emmitt as	4
		ennessee Valley A Owner OF INSERVICE	uthority By	SG Special:	24 √
I, the undersigned, he Pressure Vessel Instantion of the Pressure Vessel I	certificate olding a valid commeters and the States of the	owner OF INSERVICE ission issued by or Province of of of of nis Owners' Data formed examina	INSPECTIOn the National Texues Art ford Report durin , and state tions and tes	Board of Boiler a see The period that to the best ts and taken corrections to the correction of the period to the best to the	and and and ve of my rective
I, the undersigned, he Pressure Vessel Instemployed by	certificate olding a valid commetors and the States of the Owner has pering the States of the Owner's Repering the exper's Report. Further of the Information of Informatio	owner OF INSERVICE ission issued by or Province of of nis Owners' Data formed examinatort in accordance on spector nor his elements and termore, neither the	INSPECTIOn the National Textes Artford Report durin , and state tions and tes with the Inspector re enspector re	Board of Boiler as the period ethat to the best ts and taken correction Plan and the same warranty rective measure for his employer	and and ve of my rective las shall be
I, the undersigned, he Pressure Vessel Instead of the composition of t	certificate olding a valid commeters and the States of the Owner has period of the Owner's Reperiod of the States	owner OF INSERVICE ission issued by or Province of of // // // // // // // // // // // /	INSPECTIOn the National Texues artford of Report durin , and state tions and tes with the Inspector remage or a local Texues Texues Artford of Report durin and state tions and core and	Board of Boiler a see The period e that to the best and taken correction Plan and kes any warranty rective measure for his employer ass of any kind a	and and ve of my rective as shall be rising from

Chattanooga Office Complex

1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

WATTS BAR NUCLEAR PLANT Plant:

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

NIS-1 FOR PRESSURE TESTS

	· 											
1. Owner _	Tennessee Valley Authority, 1101 Market St. Chattanooga, TN 37402-2801											
	(Name and Address of Owner)											
. Plant Watts Bar Nuclear Plant, P.O. Box 2000, Spring City, TN 37381-2000												
_	(Name and Address of Plant)											
3. Plant Unit _	One (1) 4. Ow	ner Certificate of Authori	zation (if required)	Not Require								
5. Commercial S	ervice Date May 27, 1996	6. National Board I	Number for Unit 1	None Assigned								
7. Components I	nspected											
	1	Manufacture										
Component or	Manufacturer or Installer	or Installer Serial No.	State or Province No.	National Board No.								
Appurtenance See Appendix IV,			N/A	N/A								
Pressure Test	10111100000 141109 114411		1 ""									
Summary				<u> </u>								
												
		·	-{									
				-								
			_1	<u> </u>								
				+								
				 								
				 								
				 								
	·											
	l .			1								

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1 Commercial Service Date: May 27, 1996 Plant: WATTS BAR NUCLEAR PLANT P.O. Box 2000 Spring City, TN 37381-2000

N/A

Certificate of Authorization: N/A
National Board Number for Unit: N/A

	FORM NIS-	i-1 (Back)	
8. Examination Dates: February 11,	2005	to March 27, 2005	
9. Inspection Period Identification:	Third		
10. Inspection Interval Identification:	First		
11. Applicable Edition of Section XI:	1989	Addenda N/A	
12. Date/Revision of Inspection Plan:	December 17,	2004/TI-100.009, Revision 7	
		of examinations and tests and a statement on Plan. See Appendix ####################################	
14. Abstract of Results of Examinations	and Tests. See	e Appendix IV	
15. Abstract of Corrective Measures. Se	e Appendix IV		
Certificate of Authorization No. (if applied Date Apple 20 05 Signer	d Tennessee V	· (), ~ (),	Euc
CERTIFIC	ATE OF INSE	ERVICE INSPECTION	
Pressure Vessel Inspectors and the employed by	State or Province in this Owner 1/05 s performed expert in account XI. the Inspector research examinations urthermore, near injury or prop	ers' Data Report during the period, and state that to the best of my examinations and tests and taken corrective ordance with the Inspection Plan and as nor his employer makes any warranty, as, and tests, and corrective measures either the Inspector nor his employer shall be perty damage or a loss of any kind arising from ssions	m
Inspector's Signature		National Board, State, Province and Endorsements	
Date <u>6/7</u> 20_4	5		

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402 Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: N/A
National Board Number for Unit: N/A

INTRODUCTION AND SUMMARY

Introduction

As required by ASME Section XI, IWA-6200, this summary report documents the results of the ASME Section XI examinations, tests, repairs and replacements performed during the sixth cycle of operation of TVA's Watts Bar Nuclear Plant's Unit 1. The cycle 6 refueling outage is the first of two outages in the Third Period of the First Inservice Inspection Interval. To coincide with the cycle 7 refueling outage, the first interval has been extended in accordance with IWA-2430(d) to end on December 26, 2006.

Included in this cycle 6 Summary Report is: the summary of ISI examinations and results; summary of steam generator tube eddy current examinations and results; summary of pressure tests and results; and, summary of repairs and replacements as documented on ASME Form NIS-2s.

Summary

ISI examinations were performed in accordance with Technical Requirement Instruction 1-TRI-0-10, "ASME Section XI ISI/NDE Program." Table 1 provides an overview of the ISI examinations that were performed during cycle 6. The majority of the examinations performed this cycle were due to the reactor vessel 10-year ISI. The results of all the examinations met the applicable acceptance standards. The examination results for the ISI components are summarized in Appendix I. Examination of a safety injection system elbow-to-tee weld and several of the reactor vessel welds require a request for relief be prepared as the required code coverage could not be obtained.

Included in 1-TRI-0-10 are augmented requirements to perform examination of the Reactor Coolant Pump Flywheel in accordance with Regulatory Guide 1.14, "Reactor Coolant Pump Flywheel Integrity" and requirements to perform visual examinations on alloy 600 reactor vessel bottom head and pressurizer nozzle safe-end weld components. These examination results are summarized in Appendix II.

Eddy current testing of the steam generator tubes was performed in accordance with Surveillance Instruction 1-SI-68-907, "Steam Generator Tubing Inservice Inspection and Augmented Inspection." Six hundred and six tubes were plugged among all 4 steam generators and a total of 275 hot leg top of tube sheet sleeves were installed among steam generators 1, 2, and 4 as a result of this inspection. The results are summarized in Appendix III.

Appendix IV provides a summary of the system pressure tests performed for code credit during cycle 6. System pressure tests are implemented as defined in Technical Instruction TI-100.009, "ASME Section XI System Pressure Testing Program Basis Document." Individual system pressure test procedures are listed in the summary.

Appendix V provides a summary of the repairs and replacements performed during cycle 6. Included are the ASME Form NIS-2s, "Owners Report for Repair and Replacements." Repairs and Replacements are documented in accordance with Standard Programs and Processes SPP-9.1, Part D, "Repair/Replacement of ASME Section XI Components."

Owner:

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Chattanooga, TN 37402

Plant: WATTS BAR NUCLEAR PLANT P.O. Box 2000

Spring City, TN 37381-2000

Unit: 1

Commercial Service Date: May 27, 1996

Certificate of Authorization: N/A
National Board Number for Unit: N/A

TABLE 1 SUMMARY OF CYCLE 6 ISI EXAMINATIONS

Examination Category						
Code Class 1 C	Component	<u>s</u>				
В-А	B1.11 B1.21 B1.22 B1.30	RV Circ Welds RV Bottom Head Circ Weld RV Head Meriodional Welds RV Vessel to Flg Weld	4 1 6 1			
B-D	B3.90 B3.100	RV Nozzle to Vessel Welds RV Nozzle Inner Radius Sections	8 8			
B-N-2	B13.10	RV Interior Accessible Areas	1			
B-N-2	B13.60	RV Interior Attachments	6			
B-N-3	B13.70	RV Core Support Structure	1			
Code Class 1 a	nd 2 Risk-I	nformed ISI Piping Welds				
R-A	R1.11 R1.16	Elements Subject to Thermal Fatigue Elements Subject to Intergranular	8			
	R1.18	Stress Corrosion Cracking Elements Subject to Flow Accelerated Corrosion	3 26			

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

WATTS BAR NUCLEAR PLANT Plant:

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

SUMMARY OF REQUESTS FOR RELIEF (RFRs)

Four RFRs are required to be written for components examined during this inspection. Due to configuration of a Safety Injection System Piping weld, the required examination coverage could not be achieved. The reactor vessel weld examinations were limited as noted in the summaries below. The RFRs will be submitted under separate letter to the NRC.

Proposed RFR 1-ISI-16

ISI Component Number(s):

SIF-D092-15

Component Description:

Safety Injection System Piping Weld

Examination Category/Item No.: R-A/R1.16

Report Numbers:

R0960

Summary:

The design configuration of the subject austenitic elbow-to-tee weld provides single side access for examination. Single side access precludes meeting the examination coverage and qualification demonstration requirements required by 10 CFR

50.55a(b)(2)(xv)(A) and (xvi)(B).

Proposed RFR 1-ISI-17

ISI Component Number(s):

W02-03 and W01-02

Component Description:

Reactor Vessel Circumferential Welds

Examination Category/Item No.: B-A/B1.11 and B1.21

Report Numbers:

R0991 (and respective vendor examination reports)

Summary:

Circumferential weld W02-03 (item number B1.11)

examination was limited due to the core barrel support lugs. Weld W01-02 (item number B1.21) examination was limited due to the lower head thimble tube penetrations. Due to this limitation, required code coverage was not be obtained.

Chattanooga Office Complex 1101 Market Street Chattanooga, TN 37402

WATTS BAR NUCLEAR PLANT Plant: P.O. Box 2000

Spring City, TN 37381-2000

Unit: 1

Commercial Service Date: May 27, 1996

Certificate of Authorization:

National Board Number for Unit: N/A

Proposed RFR 1-ISI-18

ISI Component Number(s):

W2A, W2B, W2C, W2D, W2E, and W2F

Component Description:

Reactor Vessel Meridional Welds

Examination Category/Item No.: B-A/B1.22

Report Numbers:

R0991 (and respective vendor examination reports)

Summary:

The lower head meridional weld examinations were limited due to the core barrel support lugs and the lower head thimble

tube penetrations. Due to this limitation, required code coverage was not be obtained.

Proposed RFR 1-ISI-19

ISI Component Number(s):

N15, N16, N17, and N18

Component Description:

Reactor Vessel Outlet Nozzle-to-Shell Welds

Examination Category/Item No.: B-D/B3.90

Report Numbers:

R0991 (and respective vendor examination reports)

Summary:

The outlet nozzle-to-shell weld examinations performed from

the vessel shell were limited due to the nozzle integral

extension. Due to this limitation, required code coverage was

not be obtained.

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Reactor Coolant System

Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

APPENDIX I CYCLE 6 ISI EXAMINATION PLAN

The following examination plan provides the list and results of examinations performed during the sixth cycle. This plan is sorted by examination category and item number and system. The headings are defined below:

System Title Abbreviation System

BDS

FWS

AFWS Auxiliary Feedwater System

Steam Generator Blowdown System

RV Reactor Vessel

RCS

Feedwater System SIS Safety Injection System

Component Number ISI Component Identifier

ISO Drawing ISI Drawing Number

Category Code Examination Category

Item Number Code Item Number

Exam Requirement Examination Requirement

> 89E-01 Code Class 1, 2 or 3 Item examined per the requirements of the 1989 Edition of

ASME Section XI for first interval code credit

P89001 Item examined per the requirements of the 1989 Edition of ASME Section XI for

preservice credit (i.e. repaired/replaced item)

Exam Scheduled Required Examination Method

TVA NDE Procedure Number NDE Procedure

Calibration Standard Calibration Standard Identifier

Exam Date **Date Examination Performed**

Exam Report Examination Report Number

Exam Results Results of the Examination

P = PASS, examination met the applicable acceptance standards

F = FAIL, examination did not meet the applicable acceptance standards and was repaired or

replaced

Comments Applicable Comments

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Owner:

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A N/A

System	Component Number	ISO Drawing	Category	item Number	Exam Requirement	Exam Scheduled	NDE I Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	
RV	W02-03	ISI-0427-C-01	B-A	B1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300026. Ilmited exam due to core barrel stabilizing lugs. Ref RFR 1-ISI-17
RV	W03-04	ISI-0427-C-01	B-A	B1.11	89E-01	UΤ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300001.
RV	W04-05	ISI-0427-C-01	B-A	B1.11	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300002.
RV	W05-06	ISI-0427-C-01	B-A	B1.11	89E-01	υr	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300003.
RV	W01-02	ISI-0427-C-01	B-A	B1.21	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300028. limited exam due to lower head penetrations. Ref RFR 1-ISI-17
RV	W2A	ISI-0427-C-01	B-A	B1.22	89E-01	ហា	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300033. limited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W2B	ISI-0427-C-01	B-A	B1.22	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300008. Ilmited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W2C	ISI-0427-C-01	B-A	B1.22	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300009. Iimited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W2D	ISI-0427-C-01	B-A	B1.22	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300034. Ilmited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W2E	ISI-0427-C-01	B-A	B1.22	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300011. Ilmited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W2F	ISI-0427-C-01	B-A	B1.22	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300012. Ilmited exam due to core barrel stabilizing lugs and lower head penetrations. Ref RFR 1-ISI-18
RV	W06-07	ISI-0427-C-01	B-A	B1.30	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300006
RV	N11-IR	ISI-0427-C-01	B-D	B3.100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300021. VT per Code Case N-648-1
RV	N12-IR	ISI-0427-C-01	B-D	B3.100	89E-01	VT-1	VENDOR		2005031	R0991	Р	Ref IST summary 300022, VT per Code Case N-648-1
RV	N13-IR	ISI-0427-C-01	B-D	B3.100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300023. VT per Code Case N-648-1
RV	N14-IR	ISI-0427-C-01	B-D	B3.100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300024. VT per Code Case N-648-1
RV	N15-IR	ISI-0427-C-01	B-D	B3.100	89E-01	VT-1	VENDOR		2005031	R0991	Р	Ref IST summary 300025. VT per Code Case N-648-1
RV	N16-IR	ISI-0427-C-01		B3.100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300035. VT per Code Case N-648-1
RV	N17-IR	ISI-0427-C-01		B3.100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300036, VT per Code Case N-648-1
RV	N18-IR	ISI-0427-C-01	B-D	B3,100	89E-01	VT-1	VENDOR		2005031	R0991	P	Ref IST summary 300037. VT per Code Case N-648-1
RV	N11	ISI-0427-C-01	B-D	B3.90	89E-01	ŬΤ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300019
RV	N12	ISI-0427-C-01	B-D	B3.90	89E-01	UΤ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300101.
RV	N13	ISI-0427-C-01	B-D	B3.90	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300018.
RV	N14	ISI-0427-C-01	B-D	B3.90	89E-01	υT	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300014.
RV	N15	ISI-0427-C-01	B-D	B3.90	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300020. Ifinited exam due to nozzie Integral extension. Ref RFR 1-ISI-19

Chattanooga Office Complex 1101 Market Street Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant:

WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A N/A

System	Component Number	ISO Drawing	Category	item Number	Exam Requirement	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RV	N16	ISI-0427-C-01	B-D	B3.90	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300017. Iimited exam from the vessel integral extension. Ref RFR 1-ISI-20
RV	N17	ISI-0427-C-01	B-D	B3.90	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300016. limited exam from the vessel integral extension. Ref RFR 1-ISI-20
RV	N18	ISI-0427-C-01	B-D	B3.90	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300013. 2 allowable flaw indications. Limited exam due to nozzle integral extension. Ref RFR 1-ISI-20
RCS	RC-01-BC	ISI-0365-C-01	B-G-2	B7.50	P89000	VT-1	N-VT-1		2005022	R0955	P	16 STUDS, 16 SUPERNUTS, 16 WASHERS
RCS	RC-02-BC	ISI-0365-C-01	B-G-2	B7.50	P89000	VT-1	N-VT-1		2005022	R0956	Р	
RCS	RC-04-BC	ISI-0365-C-01	B-G-2	B7.50	89E-01	VT-1	N-VT-1		2005022	R0957	P	12 STUDS, 12 NUTS, 12 WASHERS
RCS	RC-05-BC	ISI-0365-C-01	B-G-2	B7.50	89E-01	VT-1	N-VT-1		2005022	R0958	P	VALVE S/N N56964-10-0096, 12 STUDS, 12 NUTS, 12
RCS	RC-05-BC	ISI-0365-C-01	B-G-2	B7.50	P89000	VT-1	N-VT-1		2005022	R0959	P	VALVE S/N N56964-10-0097, 12 STUDS, 12 NUTS, 12
RCP	RCP3CSABLT-01	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	P	·
RCP	RCP3CSABLT-02	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	Р	
RCP	RCP3CSABLT-03	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	P	
RCP	RCP3CSABLT-04	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	P	
RCP	RCP3CSABLT-05	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	Р	
RCP	RCP3CSABLT-06	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	Р	
RCP	RCP3CSABLT-07	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	P	
RCP	RCP3CSABLT-08	ISI-0447-C-01	B-G-2	B7.60	P89000	VT-1	N-VT-1		2005030	R0954	P	
RCS	68-563-BC	ISI-0365-C-01	B-G-2	B7.70	P89000	VT-1	N-VT-1		2004050	R0973	P	Valve S/N N56964-10-0097, 8 studs and nuts examined
RCS	68-563	ISI-0365-C-01	B-M-2	B12.50	89E-01	VT-3	N-VT-1		2004050	R0951	P	Valve S/N N56964-10-0097
RV	RVINT	ISI-0427-C-05	B-N-1	B13.10	89E-01	VT-3	N-VT-8		2005031	R0991	P	Ref IST summary RVINT
RV	RVIA-CSG	ISI-0427-C-06	B-N-2	B13.60	89E-01	VT-3	N-VT-8		2005031	R0991	P	Ref IST summary RVIA-CSG
RV	RVCSUPST	ISI-0427-C-06	B-N-3	B13.70	89E-01	VT-3	N-VT-8		2005031	R0991	P	Ref IST summary RVCSUPST
FWS	1-03A-428	ISI-0062-C-06	F-A	F1.20B	P89000	VT-3	N-VT-1		2005032	R0990	P	WO 03-021495-000
RV	N11-SE	ISI-0427-C-06	R-A	R1.11	89E-01	UT	VENDOR	D70389-1	2005031	R0991	P	Ref IST summary 300051
								D70187-2				·
RV	N12-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300052
RV	N13-SE	ISI-0427-C-06	R-A	R1,11	89E-01	UT	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300053
RV	N14-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300054
RV	N15-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υr	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300055
RV	N16-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300056
RV	N17-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	P	Ref IST summary 300057
RV	N18-SE	ISI-0427-C-06	R-A	R1.11	89E-01	υτ	VENDOR	D70389-1 D70187-2	2005031	R0991	Р	Ref IST summary 300058

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Owner:

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization:

N/A

National Board Number for Unit: N/A

System	Component Number	ISO Drawing	Category	item Number	Exam Requirement	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
SIS	SIF-D079-01	ISI-0375-C-12	R-A	R1.16	89E-01	UT	N-UT-64	ALTSS	2005022	R0953	Þ	
SIS	SIF-D079-11	ISI-0375-C-12	R-A	R1,16	89E-01	UT	N-UT-64	ALTSS	2005030	R0972	P	
SIS	SIF-D092-15	CHM-2758-C-10	0 R-A	R1.16	89E-01	υT	N-UT-64	ALTSS	2005030	R0960	P	Limited Exam, Ref RFR 1-ISI-16
AFWS	103BE374	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0986	P	
AFWS	103BE375	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0986	P	
AFWS	103BE465	FAC Program	R-A	R1,18	89E-01	υT	N-UT-26		2005030	R0984	P	
AFWS	103BE466	FAC Program	R-A	R1.18	89E-01	UΤ	N-UT-26		2005030	R0984	Þ	
AFWS	103BE531	FAC Program	R-A	R1.18	89E-01	υT	N-UT-26		2005030	R0985	P	
BDS	115E024	FAC Program	R-A	R1.18	89E-01	υτ	N-UT-26		2005030	R0982	P	
BDS	115E094	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0979	P	
BDS	115P004	FAC Program	R-A	R1,18	89E-01	UT	N-UT-26		2005030	R0983	P	
BDS	115P006	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0983	P	
BDS	115P023	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0982	P	
BDS	115P025	FAC Program	R-A	R1.18	89E-01	υτ	N-UT-26		2005030	R0981	P	
BDS	115P027	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0981	P	
BDS	115P093	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0979	P	
BDS	115P095	FAC Program	R-A	R1.18	89E-01	UΤ	N-UT-26		2005030	R0980	P	
BDS	115P188	FAC Program	R-A	R1.18	89E-01	UΤ	N-UT-26		2005030	R0978	P	
BDS	115P190	FAC Program	R-A	R1.18	89E-01	υT	N-UT-26		2005030	R0977	P	
BDS	115P262	FAC Program	R-A	R1.18	89E-01	υT	N-UT-26		2005030	R0976	P	
BDS	115P264	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0976	Р	
BDS	115T041	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005022	R0975	P	
BDS	115X005	FAC Program	R-A	R1.18	89E-01	υT	N-UT-26		2005030	R0983	P	
BDS	115X021	FAC Program	R-A	R1.18	89E-01	υľ	N-UT-26		2005022	R0975	Þ	
BDS	115X026	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0981	P	
BDS	115X040	FAC Program	R-A	R1.18	89E-01	υτ	N-UT-26		2005022	R0975	Р	
BDS	115X096	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0980	P	
BDS	115X189	FAC Program	R-A	R1.18	89E-01	υT	N-UT-26		2005030	R0977	Р	
BDS	115X263	FAC Program	R-A	R1.18	89E-01	UT	N-UT-26		2005030	R0976	P	

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

APPENDIX II CYCLE 6 AUGMENTED EXAMINATION PLAN

The following examination plan provides the list and results of examinations performed during the sixth cycle. This plan is sorted by examination category and item number and system. The headings are defined below:

System

System Title Abbreviation

PRZ RCP Pressurizer

Reactor Coolant Pump

RV

Reactor Vessel

Component Number

ISI Component Identifier

ISO Drawing

ISI Drawing Number

Category

Code Examination Category

Item Number

Code Item Number

Exam Requirement

Examination Requirement

AUG-01 Reactor Coolant Pump Flywheel Augmented Examinations per Regulatory Guide

AUG-04 Item examined due to Reactor Vessel and Pressurizer Alloy 600 Issues

Exam Scheduled

Required Examination Method

NDE Procedure

TVA NDE Procedure Number

Calibration Standard

Calibration Standard Identifier

Exam Date

Date Examination Performed

Exam Report

Examination Report Number

Exam Results

Results of the Examination

P = PASS, examination met the applicable acceptance standards

F = FAIL, examination did not meet the applicable acceptance standards and was repaired or

replaced

Comments

Applicable Comments

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Owner:

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

WATTS BAR NUCLEAR PLANT Plant:

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

N/A

National Board Number for Unit:

N/A

System	Component Number	ISO Drawing	Category	item Number	Exam Requirement	Exam Scheduled	NDE Procedure	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RV	RVBTHEAD	ISI-0427-C-08	1.0	N/A	AUG-04	VT-2	N-VT-17		20050311	R0988	P	
PZR	WP-10-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050317	R0987	Р	
PZR	WP-11-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050306	R0966	Р	
PZR	WP-12-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050306	R0967	P	
PZR	WP-13-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050306	R0968	Р	
PZR	WP-14-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050306	R0969	P	
PZR	WP-15-SE	CHM-2570-C-0	1 B-F	B5.40	AUG-04	VT-2	N-VT-19		20050306	R0970	P	
RCP	2S-82P191-BOREKEY	ISI-0447-C-02	RG1.14	AUGM	AUG-01	υτ	N-UT-21	SQ-68	20040318	R0950	Р	
RCP	2S-82P191-SUR	ISI-0447-C-02	RG1.14	AUGM	AUG-01	MT	N-MT-6		20040311	R0949	Р	Indication cleared by PSS CAR 20040446
RCP	2S-82P191•VOI	ISI-0447-C-02	RG1.14	AUGM	AUG-01	UT	N-UT-21	SQ-68	20040318	R0950	P	-

Chattanooga Office Complex 1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization:

National Board Number for Unit: N/A

APPENDIX III

SUMMARY OF WATTS BAR UNIT 1 CYCLE 6 SG EDDY CURRENT INSPECTION/TUBE PLUGGING RESULTS

EDDY CURRENT EXAM TYPE	S/G 1	S/G 2	S/G 3	S/G 4	Totals
Full Length Bobbin Coil	3945	3988	4021	3824	15778
Hot Leg Bobbin Coil	558	546	562	551	2217
Cold Leg Bobbin Coil	558	546	562	551	2217
Hot Leg TTS +Point	4503	4535	4583	4375	17996
Hot Leg TSP & FS +Point	33	61	32	74	200
Cold Leg TSP & FS +Point	20	50	31	148	249
U-Bend Dent +Point	34	35	27	31	127
Low Row U-Bend +Point	558	546	562	555	2221
Cold Leg OXP +Point	408	102	88	1622	2220
Previous Sleeved Tube Bobbin	0	0	0	148	148
Previous Sleeved Tube +Point	0	0	0	148	148
Current Sleeve +Point	118	28	0	136	282
Diagnostic +Point	373	334	245	425	1377
Total Exams Completed	11108	10771	10713	12588	45180
INDICATIONS (Tubes)	S/G 1	S/G 2	S/G 3	S/G 4	Totals
INDICATIONS (Tubes) AVB Wear	S/G 1 18	S/G 2 21	S/G 3 15	S/G 4 15	Totals 69
, ,					69 2
AVB Wear	18 1 1	21	15 0 0	15	69 2 2
AVB Wear Loose Part Wear	18 1 1 0	21 0 0 0	15 0	15 1 1 1	69 2
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial	18 1 1 0 7	21 0 0 0 5	15 0 0 0 1	15 1 1 1 3	69 2 2 1 16
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ	18 1 1 0 7 167	21 0 0 0 5 175	15 0 0 0 1 96	15 1 1 1 3 278	69 2 2 1 16 716
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile	18 1 1 0 7 167 4	21 0 0 0 5 175 7	15 0 0 0 1 96 1	15 1 1 1 3 278 8	69 2 2 1 16 716 20
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC)	18 1 1 0 7 167 4 257	21 0 0 0 5 175 7	15 0 0 0 1 96 1 153	15 1 1 1 3 278 8 172	69 2 2 1 16 716 20 737
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear	18 1 0 7 167 4 257	21 0 0 0 5 175 7 155 2	15 0 0 0 1 96 1 153 0	15 1 1 3 278 8 172 1	69 2 2 1 16 716 20 737 4
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear Preventive	18 1 0 7 167 4 257 1	21 0 0 5 175 7 155 2	15 0 0 0 1 96 1 153 0	15 1 1 3 278 8 172 1	69 2 2 1 16 716 20 737 4
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear Preventive PWSCC CTS Axial	18 1 0 7 167 4 257 1 0	21 0 0 5 175 7 155 2 0	15 0 0 0 1 96 1 153 0 1	15 1 1 3 278 8 172 1 0	69 2 2 1 16 716 20 737 4 1
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear Preventive PWSCC CTS Axial PWSCC HTS Axial	18 1 0 7 167 4 257 1 0 0	21 0 0 5 175 7 155 2 0 0	15 0 0 0 1 96 1 153 0 1 2	15 1 1 3 278 8 172 1 0 0	69 2 2 1 16 716 20 737 4 1 2
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear Preventive PWSCC CTS Axial PWSCC HTS Axial PWSCC HTS Circ	18 1 0 7 167 4 257 1 0 0	21 0 0 5 175 7 155 2 0 0	15 0 0 0 1 96 1 153 0 1 2 13	15 1 1 1 3 278 8 172 1 0 0 30	69 2 2 1 16 716 20 737 4 1 2 81 5
AVB Wear Loose Part Wear Obstructed Tube ODSCC Freespan Axial ODSCC HTS Axial ODSCC HTS Circ ODSCC Sludge Pile ODSCC TSP Axial (APC) Pre-Heater Wear Preventive PWSCC CTS Axial PWSCC HTS Axial	18 1 0 7 167 4 257 1 0 0	21 0 0 5 175 7 155 2 0 0	15 0 0 0 1 96 1 153 0 1 2	15 1 1 3 278 8 172 1 0 0	69 2 2 1 16 716 20 737 4 1 2

Owner: TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex

1101 Market Street Chattanooga, TN 37402

Unit: 1 Commercial Service Date: May 27, 1996

C-3

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: N/A
National Board Number for Unit: N/A

PLUGGING STA	ATUS	S/G 1	S/G 2	S/G 3	S/G 4	Totals
Previously Plug	ged Tubes	171	139	91	151	552
Plugged Cycle 6	3					
Dama	age Mechanism					
Loose	e Part Wear	1	0	0	1	2
ODS	CC Freespan Axial	0	0	0	1	1
ODS	CC HTS Axial	2	4	1	3	10
	CC HTS Circ	60	148	96	150	454
ODS	CC Sludge Pile	0	6	1	2	9
ODS	CC TSP Axial	57	16	8	7	88
Preve	entive	0	0	1	0	1
PWS	CC CTS Axial	0	0	2	0	2
	CC HTS Axial	3	8	11	11	33
	ICC HTS Circ	1	1	0	1	3
	CC U-Bend Axial	0	0	0	1	1
Volur	metric Indication	0	0	0	2	2
TOTAL TUBES	PLUGGED	295	322	211	330	1158
TOTAL TUBES	SLEEVED (H/L TTS)	118	28	0	277	423
Classification o	of Inspection Results	S/G 1	S/G 2	S/G 3	S/G 4	
Full-L	_ength Bobbin Coil	C-2	C-2	C-2	C-2	
Top o	of Tubesheet +Point	C-3	C-3	C-3	C-3	
Dente	ed TSP +Point	C-1	C-1	C-1	C-1	
U-Be	nd +Point	C-1	C-1	C-1	C-2	
Hot L	.eg Freespan Ding +Point	C-1	C-1	C-1	C-1	
Cold	Leg Freespan Ding +Point	C-1	C-1	C-1	C-2	
AVB	Ding +Point	C-1	C-1	C-1	C-1	
MBM	with Ding +Point	C-1	C-1	C-1	C-1	
Inspection						
Classification		Inspec	tion Result	S		
Category					_	
C-1	Less than 5% of the total tulinspected tubes are defective		ted are deg	graded tube	s and none	e of the
C-2	One or more tubes, but not	more than				

defective, or between 5 and 10% of the total tubes inspected are degraded tubes

More than 10% of the total tubes inspected are degraded tubes or more than 1%

of the inspected tubes are defective

Chattanooga Office Complex

1101 Market Street

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization:

N/A National Board Number for Unit: N/A

APPENDIX IV PRESSURE TEST SUMMARY

The following table summarizes the tests and results of the system pressure tests performed during the sixth cycle.

TENNESSEE VALLEY AUTHORITY Chattanooga Office Complex 1101 Market Street Owner:

Chattanooga, TN 37402

Unit: 1

Commercial Service Date: May 27, 1996

Plant:

WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A N/A

WBN Unit 1 Cycle 6 RFO Pressure Test Report [First Inspection Interval, third period]

This hispection interval, time pe					
System	Procedure No.	Test Type	Exam	Performance Date	Test Results
Main Steam System piping and components. (credit taken for a system hydrostatic test)	1-TRI-1-901	System Inservice	VT-2	03/27/2005	Satisfactory
Motor Driven Auxiliary Feedwater Pump 1B-B and associated piping and components [recirculation]	1-TRI-3-901-B	System Functional	VT-2	03/27/2005	Satisfactory
Turbine Driven Auxiliary Feedwater Pump 1A-S and associated piping and components.[recirculation] (credit taken for a system hydrostatic test)	1-TRI-3-902	System Functional	VT-2	02/11/2005	Satisfactory
Motor Driven Auxiliary Feedwater Pump 1B-B piping and components [forward flow]	1-TRI-3-906-B	System Functional	VT-2	02/23/2005	Satisfactory
Turbine Driven Auxiliary Feedwater Pump 1A-S piping and components.[forward flow] (credit taken for a system hydrostatic test)	1-TRI-3-907	System Functional	VT-2	03/27/2005	Satisfactory
Ice Condenser ice bay floor drain piping and valves	1-SI-61-9	Unobstructed Flow	VT-2	03/18/2005	Satisfactory
Chemical and Volume Control System piping and components outside containment (Risk Informed ISI)	1-TRI-62-904	System Functional	VT-2	02/23/2005	Satisfactory
Safety Injection System boron injection piping and components inside containment (Risk Informed ISI)	1-TRI-63-903	System Functional	VT-2	03/14/2005	Satisfactory
Safety Injection System Train A hot and cold leg injection piping and components (Risk Informed ISI)	1-TRI-63-905-A	System Functional	VT-2	02/16/2005	Satisfactory
Safety Injection System Train B hot and cold leg injection piping and components (Risk Informed ISI)	1-TRI-63-905-B	System Functional	VT-2	02/11/2005	Satisfactory
Safety Injection System RHR hot leg injection piping and components (Risk Informed ISI)	1-TRI-63-906	System Functional	VT-2	03/24/2005	Satisfactory
Essential Raw Cooling Water Train A piping and components inside containment (credit taken for a system hydrostatic test)	1-TRI-67-901-A	System Inservice	VT-2	02/23/2005	Satisfactory
Essential Raw Cooling Water Train B piping and components inside containment (credit taken for a system hydrostatic test)	1-TRI-67-901-B	System Inservice	VT-2	02/23/2005	Satisfactory

Chattanooga Office Complex

1101 Market Street Chattanooga, TN 37402

Unit: 1 Commercial Service Date: May 27, 1996 Plant: WATTS BAR NUCLEAR PLANT

P.O. Box 2000 Spring City, TN 37381-2000

Certificate of Authorization: National Board Number for Unit: N/A

APPENDIX V REPORT FOR REPAIRS AND REPLACEMENTS **ASME FORM NIS-2**

Attached are the ASME Form NIS-2s, Report for Repairs and Replacements, for the period from October 18, 2003 to completion of the sixth cycle refueling outage, April 1, 2005.

The following table lists by tracking number the NIS-2s included in this report. Tracking numbers not listed are either for Code Class 3 components or have been deleted.

CODE	WORK ORDER	BRIEF
CLASS	NUMBER	DESCRIPTION
2	03-015766-000	Replace flange bolting material for valve
2	03-018255-000	Repair weld 1-043A-T013-26
1	PO 00001640R1	Repaired valve
2	03-020825-000	Install bonnet seal weld on 1-CKV-062-0931
2	03-021232-000	Replaced cover and pilot poppet.
2	04-815133-000	Replaced cover and pilot poppet
1	03-022635-000	Replaced 2" valve seal weld
2	04-813845-008	Replace valve
2	04-813845-003	Replace valve
2	04-813845-009	Replace valve
2	04-813845-010	Replace valve
1	04-813845-007	Replace valve
2	04-813875-000	Replace seal housings and seal plates
1	04-813661-000	Replace valve
1	04-813662-000	Replace valve
2	04-813845-013	Replace valve
2	04-813845-014	Replace valve
2	03-003170-000	Repair 2" valve seal weld
1	04-813850-000	Replace existing seal with new seal
1	03-004777-002	Remove existing valve and piping as required to replace valve.
1	05-810075-000	Replace bonnel seal weld
1	05-810074-000	Replace bonnel seal weld
2	04-813845-024	Replace valve
2	04-827109-000	Repaired pipe and weld 1-068A-T113-87 by metal removal to remove vise marks
2	05-812187-000	Replace valve
2	05-812186-000	Replace valve
2	05-812185-000	Replace valve
2	05-812184-000	Replace valve
	CLASS 2 2 1 2 2 1 2 2 1 2 2 1 1 1 1 1 1 2	CLASS NUMBER 2 03-015766-000 2 03-018255-000 1 PO 00001640R1 2 03-020825-000 2 03-021232-000 2 04-815133-000 1 03-022635-000 2 04-813845-008 2 04-813845-003 2 04-813845-009 2 04-813845-010 1 04-813845-010 1 04-813845-000 2 04-813845-010 1 04-813661-000 2 04-813845-013 2 04-813845-013 2 04-813845-014 2 03-003170-000 1 04-813850-000 1 05-810075-000 1 05-810075-000 2 04-813845-024 2 04-813845-024 2 04-813845-000 2 05-812187-000 2 05-812185-000

Chattanooga Office Complex 1101 Market Street

2

2

04-824914-000

03-011091-000

RR-06-120

RR-06-121

Chattanooga, TN 37402 Unit: 1 Commercial Service Date: May 27, 1996 Plant: WATTS BAR NUCLEAR PLANT P.O. Box 2000

Spring City, TN 37381-2000

Certificate of Authorization: N/A
National Board Number for Unit: N/A

Replace existing blind flange with new flange

TRACKIN	G CODE	WORK ORDER	BRIEF
NUMBEF	CLASS	NUMBER	DESCRIPTION
RR-06-11	1 2	03-005228-001	Add weld metal to existing vendor weld on 1-RTV-068-0445A
RR-06-11	5 2	03-012465-000	Repair 1/2" pipe to valve weld
RR-06-11	6 2	03-021495-000	Reinstall pipe support 1-03A-428
RR-06-11	7 1	04-810991-000	Sleeve SG tubes.
RR-06-11	8 1	04-810989-000	Sleeve SG tubes
RR-06-11	9 1	04-810988-000	Sleeve SG tubes

Replace valve trim

			red by the Provisions	or the ASIV	E code Section	<u> </u>		
1. Owner	TEN	VESSEE VALLEY A	AUTHORITY	Date 1	0/29/03			
110	1 Marke	t St., Chattanooga	TN 37402	Sheet _	. 1 of 2			
2. Plant	Watt	Address S Bar Nuclear Plan	t	Unit <u>U</u>	nit 1			
P. 0	D. Box 2	Name 000, Spring City, T	N 37381	W/O 03-	015766-000			
3. Work Performed by MECHANICAL MAINTENANCE			Type Coo	Repair Organiza le Symbol Stam	otion P.O P N/A	O, No., Job No.	. etc.	
P.O. BOX 20	00 SPRI	NG CITY,TN 37381	Name	- •	tion No N/A			
	-	Address						
4. Identification	on of sys	tem SYSTE	M 067 ERCW	Expiration	Date N/A			
(b) Applica	ble Editi	on of Section XI Uti	ASME SEC III 19 71 lized for Repairs or Replaced and Replaced	placement	s 1989	a, <u>N/</u>	A Co	de Case N/A
Name of Com	ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes c No)
BOLTING MA 3/4" ALL-THE		MFG.	N/A	N/A	HT# フ27642	N/A	REPLACE MENT	NO
SA 564 GR 6				100	1014			
NUTS 3/4" SA 194 GR 6		MFG.	N/A	N/A	HT# 38202	N/A	REPLACE MENT	NO
						_		
7. Description	of Work	Regione	OUTING MATT	2016/				
3. Tests Cond	ucted: F	lydrostatic Pneu	matic Nominal Op	erating Pre	ssure P			
Infor	mation in	items 1 through 6	sts, sketches, or draw on this report is include he top of this form.					

FORM NIS-2 (Back) 33 11 11 11 11 11 11 11 11 11 11 11 11
9. Remarks TRACKING NO. A 106-09 CODE CASE N-416-1 WO 03-0/5766-000
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>leptromeri</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Galler Maint. Specialist Date 2/12 20 04
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Texassee and employed by HSB-CT
of HarTFord CT. have inspected the components described in this
Owner's Report during the period 10/30/03 to 2/17/04 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.
Bruce M. Carrials Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements
Date 2/17 20 04

E-	FORM NIS-2 OW As Require	NER'S REPORT FOR d by the Provisions of	REPAIR	RS OR!	REPLACE Section 2	MEN 1:	TS .	
1. Owner TEN	VESSEE VALLEY A	UTHORITY	Date	01/17/	2004			
1101 Ma	Name arket St., Chattanoo	ga , TN 37402	Sheet	t	of 2			
2. Plant Watts	Address Bar Nuclear Plant		Unit	Unit 1				
P. O. Bo	Name 0x 2000, Spring City	, TN, 37381	Work C	Order 03	-018255-0	00		
3. Work Performe	Address ed by TVA Modifica	tions	Type C	Recar	Organization mbol Stam	P.O. N P N	lo., Job No., etc /A	
Watts Bar Nuclea	ar Plant	Name	Authori	zation N	lo N/A			
	Address		Expirat	ion Date	N/A			
4. Identification of	system 043 SAM	IPLE AND WATER Q	-					
5. (a) Applicable (Construction Code	ASME III 19 71	Edition,	S73	Addend	a, I	N/A Co	de Case
(b) Applicable B	Edition of Section XI	Utilized for Repairs o	r Replac	ements	1989			
6. Identification of	Components Repair	red or Replaced and I	Replacen	nent Co	mponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Nationa Board N	i o. Other	Idontification	Year Bulit	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-TUBE-043-B	N/A	N/A	N/A	N/A		NA	Repaired	No
				1				
				+		_		
				-				
						_		
7. Description of W	ork REPAIR WEL	D 1-043A-T013-26				_		
8. Tests Conducted		neumatic Nominal	Operatir Test T		sure E	F		
11 in., (2)	information in items	of lists, sketches, or d s 1 through 6 on this r of sheets is recorded	eport is l	ncluded	on each s			

NIS-2 FORM SHEET 2 OF 2

FORM NIS-2 (Back)
9. Remarks Code Case N-416-2 Tracking No. PR-06-017 WMO 1/17/2004
WO 03-018255-000
. 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
Certificate of Authorization No
Signed Who Word Const. Engl. Date 1/17 20 04
CERTIFICATE OF INSERVICE INSPECTION
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
nspectors and the State or Province of Tennessee and employed by MSB-CT
f HarTford CT. have inspected the components described in this
Owner's Report during the period 1/20/04 to 1/26/04 and state that to the best
f my knowledge and belief, the Owner has performed examinations and taken corrective measures described
n this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
ly signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, oncerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
ne inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
oss of any kind arising from or connected with this inspection.
Bruce M. Earnigh Commissions TN = 534
Inspector's Signature National Board, State, Province, and Endorsements
ate 1/26 20 0 4

I. Owner	TENN	ESSEE VALLEY A	Dy the Provisions of			46 (8 5.2 c		
-		Name	· · · · · · · · · · · · · · · · · · ·	· -	03/05/2005			
		rket St., Chattanoog	ja, TN 37402	Sheet 1	of <u>2</u>			
. Plant	Watts	Bar Nuclear Plant	· · · · · · · · · · · · · · · · · · ·	Unit U	nit 1			
Р.	O. Box	k 2000, Spring City,	TN 37381	Contract	Purchase O			
. Work Perf	forme	d by Target Rock @	Wyle Lab	Type Cod	Recair Orcanization P Symbol Stamp	.0. No. N/A	.Job No.stc.	
O Box 379	Farm	ingdale, NY 11735	lame	Authorizat	ion No N/A			
		Address		Expiration	Date N/A			
. Identificati	ion of	system System 0	68. Reactor Coolant	System				
(b) Applica	abie E	dition of Section XI	ASME Sec III 19 80 Utilized for Repairs or Replaced and	or Replacer	nents 1989	da, —	n/a Cod	de Case
Name of Comp	ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes cr No)
ORV S/N 4		Target Rock	4	n/a	Model 83A	83	Repaired	Yes
			* · · · · · · · · · · · · · · · · · · ·					
·							-	
	j							
Description	n of W	ork Straighten Ind	icator tube and remo	ved/replace	ed seal weld.			
Tests Con-	ducted		Pneumatic				SEE AEA	
11 î	in., (2)	information in item	of lists, sketches, or s 1 through 6 on this of sheets is recorded	report is in	cluded on each s	vided sheet.	(1) size is 8 and (3) eac	1½ in. x ch_sheet

Serve and a virtual service and the service an		FORM NIS-2 (Back	
9. Remarks	NIS-2 Tracking # RR-06	-018 Radio Memuracturoro Data Hoports to	Purchase Order 0000164
Valve repaired	and stored as spare. To	be installed under other t	work implementing document.
Insta	Med by wo-	04-813662-00	
	•		
· · · · · · · · · · · · · · · · · · ·	CE	ERTIFICATE OF COMPL	:IANCE
We certify that	the statements made in t	he report are correct and	this <u>repair</u> conforms
•	SME Code, Section XI.	•	repair or replacement
tules of the A	SME Code, Section XI.		
Type Code Syr	mbol Stamp N/A		
Certificate of A	uthorization No. N/A		
Signed Signed	/ ~	757 Eurevern	Date 03/07 20
Signed	Owner or Owner's		Date
	CERTIF	ICATE OF INSERVICE I	NSPECTION
I. the undersign	ned, holding a valid comm	ission issued by the Nati	onal Board of Boiler and Pressure Vess
	the State or Province of _	▼	
			ed the components described in this
			3/05 and state that to th
of my knowled	ge and belief, the Owner h	nas performed examinatio	ons and taken corrective measures des
in this Owner's	Report in accordance with	n the requirements of the	ASME Code, Section XI.
By signing this	certificate neither the insp	ector nor his employer n	nakes any warranty, expressed or Impli
concerning the	examinations and correct	ive measures described i	in this Owner's Report. Furthermore, r
the inspector n	or his employer shall be lia	able in any manner for ar	ny personal injury or properly damage
loss of any kind	d arising from or connected	d with this inspection.	
	.1		
Bau	m Eaming	Commissions TNA	534
	tor's Signature	· National	Board, State, Province, and Endorsem
- Inspec			
Inspec	5_ 20 05_		

1. Owner	TENN	ENNESSEE VALLEY AUTHORITY			Date 03/05/2005				
11	101 Ma	rket St., Chattanoog	Sheet 1 of 2.						
2. Plant Watts Bar Nuclear Plant				Unit Unit 1					
P. O. Box 2000, Spring City, TN 37381				Contract Purchase Order 00001640 R1					
Address 3. Work Performed by Target Rock @ Wyle Lab				Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A					
O Box 379	9 Farm	ningdale NY 11735	lame	Authorizat	ion No N/A				
		Address	Expiration Date N/A						
. Identifica	ition of	system System 0	68. Reactor Coolant	•	·				
			Utilized for Repairs or Replaced and	•				ASME	
Name of Com		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Euilt	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)	
ORV S/N :	5	Target Rock	5 	n/a	Model 83A	83	Repaired	Yes	
				<u> </u>					
	·								
		-							
Description	on of W	ork Straighten ind	icator tube, replaced	seat and re	emoved/replaced	seal '	weld.		
Tests Cor	nducted	d: Hydrostatic 🗆 F Other 🗅 • Pres	Pneumatic D Nomi	nal Operati osi Test I	ng Pressure 🛛	.°F	5FE NEA 	11153 	
11	in.,,(2)	information in item	of lists, sketches, or s 1 through 6 on this of sheets is recorder	report is in	cluded on each s	vided sheet,	(1) size is 8 and (3) eac	1½ in. x h.sheet	

FORM NIS 2 (Back)	
9. Remarks NIS-2 Tracking #: RR-06-018 Applicable Manufacturers Data Reports to be Attached	Purchase Order 00001640
Valve repaired and stored as spare. To be installed under other work implem	enting document.
Installed by Wo 04-8131/1/1-00	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this	repair conforms to the
	replacement
The Sol the Acres Code, Section Al.	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	
Signed Jun E Cours ISI Excuser Date	03/05 20 05
Owner of Owner's Designee, Tale	
CERTIFICATE OF INSERVICE INSPECTION	1
I, the undersigned, holding a valid commission issued by the National Board of	f Boiler and Pressure Vessel
Inspectors and the State or Province of Jewessee and employed by	HSB-CT
ol Hart Ford CT. have inspected the compo	onents described in this
Owner's Report during the period 1/20/04 to 3/5/03	
of my knowledge and belief, the Owner has performed examinations and take	
in this Owner's Report in accordance with the requirements of the ASME Code	1
By signing this certificate neither the inspector nor his employer makes any wa	· · · · · · · · · · · · · · · · · · ·
concerning the examinations and corrective measures described in this Owner,	•
the inspector nor his employer shall be liable in any manner for any personal is loss of any kind arising from or connected with this inspection.	rijury or property damage or a
1000 of any filled arising from or confederation fills inoperators.	
Bruce M Earnigh Commissions TN 2534	. (
Inspector's Signature National Board, State	, Province, and Endorsements ·
Date 3/5 2005	
and the control of the state of the state of the second second second second second second second second second	

		NER'S REPORTEDE d by the Provisions of				S	14	
1. Owner TENN	NESSEE VALLEY A	AUTHORITY	Date 0	5-12-2004				
1101 Ma	Name arket St., Chattano	oga, TN 37402	Sheet	of				
2. Plant Watts	Address Bar Nuclear Plan	t	Unit U	Init 1				
P. O. Bo	Name ox 2000, Spring Cit	ry, TN 37381	W/O 03-020825-000					
3. Work Performe	Address d by MECHANICAL	L MAINTENANCE	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A					
P.O. BOX 2000 S	PRING CITY,TN 37	Name 7381	Authoriza	tion No N/A				
-	Address		Expiration	Date N/A				
4. Identification of	4. Identification of system 062 - C.V.C.S.							
(b) Applicable E	Edition of Section X	SECTION III 19 74 Utilized for Repairs of the control of Replaced and F	r Replacen	nents 1989	a, <u>n/a</u>	n Co	de Case	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Idenlification	Year Bulk	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)	
WELD NO. 1-062A-T054-07	N/A	N/A	N/A	1-CKV-62-931		REPLAC ED		
,			}					
7. Description of W	ork INSTALLED E	BONNET SEAL WELD	ON 1-CK	V-62-931				
3. Tests Conducted		neumatic Nominal	Operating Test Ter	Pressure Comp Hart P		Sezvcé.		
11 in., (2)	information in item	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded	eport is inc	ay be used, provi luded on each st	ided (1 neet, a	1) size is 81 Ind (3) each	4 in. x i sheet	

ける 日 中 M (en 二) FORM NIS-2 (Back) ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
9. Remarks TRACKING NO. RR-06-03 CODE CASE N-416-2
Applicable Manuacturer's Data Reports to be Attached WO 03-020825-000
CERTIFICATE OF COMPLIANCE populated. We certify that the statements made in the report are correct and this February 1450 of forms to the
rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed MECH ENGR Date 10/14/04 20 04
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 ILINESSEE and employed by FSBI LICO OF CT have Inspected the components described in this
Owner's Report during the period $5-13-04$ to $11-01-04$ 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.
O. E. Metcatte Commissions TN-Z633 (ABNI) Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date 1/00, 01, 2004

2377			NER'S REPORT FO				S'	**	
		As Require	d by the Provisions o	The ASME	Gode Section X	1			
1. Owne	r TENN	ESSEE VALLEY A	UTHORITY	Date	6/2/2004			-	
	1101 Ma	rket St., Chattano	oga, TN 37402	Sheet	/ of 2				
2. Plant	Watts	Address Bar Nuclear Plant	t 	Unit U	nit 1		·		
	P. O. Bo	x 2000, Spring Cit	y, TN 37381	MMG/WO# 03-021232-000					
3. Work	Performe	d by MECHANICAL		Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A					
WATTS BAR NUCLEAR PLANT, PO BOX 2000 SPRING CITY, TN 37381			Authoriza	tion No N/A					
Address			Expiration	Date N/A					
4. Identi	4. Identification of system 001- MAIN STEAM								
5. (a) A	5. (a) Applicable Construction Code SECT III 19 74 Edition, S75 Addenda, N/A Code Case								
(b) A	oplicable E	dition of Section XI	Utilized for Repairs	or Replace	ments 1989				
6. Identi	fication of	Components Repai	ired or Replaced and	Replaceme	ent Components				
3 3 ad	Component	Non- of Manufacture	Manufacture Carle No.	National		Year		ASME Code Stamped (Yes or	
	Component 01-0011-T	Name of Manufacturer ATWOOD &	Manufacturer Serial No. 1-13824	Board No.	Other Identification MSIV		Replacement	No)	
	VER	MORRILL			HT# 216057	1977	Replaced	٦	
\	1	1	L3962-3	NA	•	3003	Replace- ment	Y	
-	POPPET	ATWOOD & MORRILL	1-13824	N/A	MSIV HT# 10260	37	Replaced	٦-	
V		V	A4772-2	NIA	V	7003	Replace-	-د	
				 -					
7. Descr	iption of W	/ork Re	placed Cover & Pi	lot Poppe	t on MSIV		[
						_			
B. Tests	Conducted		Pneumatic Noming	al Operatin		F		l	
NOTE:	11 in., (2)	information in Item	of lists, sketches, or as 1 through 6 on this of sheets is recorded	report is in	cluded on each s				

٠:

FORM NIS-2 (Back)
9. Remarks TRACKING # RR.06.034 W0 7 03-02/232-000
Whereas way warmer a para Laboura to be Mitarised
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Of Cilli 3/27/05 Maint Specialist Sale 3/27 20 05
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 <u>Terressee</u> and employed by <u>HSB-ET</u>
of HarTFord CT. have inspected the components described in this Owner's Report during the period $6/2/04$ to $3/28/05$ and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Bruce M. Earning's Commissions TN 2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/28 20 05

4:3,		FOR		NER'S REPORT FO d by the Provisions o					S :		
1. Owner	TENN	NESSE	E VALLEY A	UTHORITY	Date	6/2/200	4				
1	1101 Ma	rket Si	Name L., Chattano	oga, TN 37402	Sheet	o	f				
2. Plant	Watts	Bar N	Address uclear Plan	<u> </u>	Unit Unit 1						
F	P. O. Bo	× 2000	Name , Spring Cit	y, TN 37381	MMG/WO# 04-815133-000						
3. Work Pe	erforme	d by M	Address ECHANICAL	MAINTENANCE	Type Cod	Recair On le Symb	onization i	P.O. No N/A	Job No etc.		
			T,PO BOX 2000	Name	Authoriza	tion No	N/A				
SPRING CITY	<u>4, IN 373</u>	81	Address		Expiration	n Date	N/A				
4. Identific	ation of	system	001- MAI	N STEAM	2 .p., a., o.	, 54.0	<u></u>				
5. (a) Appl	icable C	Constru	ction Code	SECT III 19 74	Edition,	\$75	Addend	a, N.	A Co	de Case	
(b) Appl	icable E	dition	of Section Xi	Utilized for Repairs	or Replace	ments	1989				
6. Identifica	ation of	Compo	nents Repai	red or Replaced and	Replacem	ent Com	ponents				
Name of Con	nonent	Name o	f Manufacturer	Manufacturer Serial No.	National Board No.	Other Ide	entification	Year Built		ASME Code Stamped (Yes or No)	
1-FCV-001-COVEF	0004-T	ATWO MORE	OD &	4-13824	N/A	MS HT# 21	IV	NIA	Replaced	Y	
1-Fev-00 Cover	01-000	MOR	, ,	L3902-2	NIA	VN/	A	7003	Replace- ment	Y	
1-FCV-001-0 PILOT POI		ATWO MORR		4-13824	N/A	MS HT# 10	IV	NIS	Replaced	Y	
•		d	/	A4772-/	NA	VN	la-	2003	Replace- ment	Y	
					 						
7. Description	on of W	ork	Rep	placed Cover & Pil	ot Poppe	t on MS					
3. Tests Cor	nducted	: Hydro		neumatic Nomina urepsi	I Operating Test Te			F			
11	in., (2)	informa	tion in items	of lists, sketches, or o s 1 through 6 on this o of sheets is recorded	report is ind	cluded o	n each s				

FORMNIS-2 (Back)
9. Remarks TRACKING # AR - C6 - 035 Applicable Manufacturer's Data Hepone to be Altached WO # 0 # - E/5/33 - 00 C
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMEMT</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Ocalli Maint Specialist Date 3/28 20 UT
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel
Inspectors and the State or Province of Tennessec and employed by HSB-CT
of have inspected the components described in this
Owner's Report during the period 6/2/04 to 3/29/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
In this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions TN1534 National Board, State, Province, and Endorsements
Date 3/29 2005

		NER'S REPORT FOR I by the Provisions of						
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date 0	-17-2004				
1101 Ma	rket St., Chattanoo	oga, TN 37402	Sheet	of				
2. Plant Watts	Address Bar Nuclear Plant		Unit Unit 1					
P. O. Bo	Name x 2000, Spring Cit	y, TN 37381	W/O 03-022635-000					
3. Work Performe	Address d by MECHANICAL	MAINTENANCE	Type Cod	Repair Organization P e Symbol Stamp	O. No.	. Job No., etc.		
P.O. BOX 2000 SPRING CITY,TN 37381				ion No N/A				
Address				Date N/A				
4. Identification of	system 063 -S.I.	s.	- Aprilation	·				
5. (a) Applicable Construction Code SECTION III 19 74 Edition, W74 Addenda, n/a Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 5. 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 Replacemen	ASME Code Stamped (Yes or No)	
WELD NO. 1-063B-T108-10	N/A	N/A	N/A	SEAL WELD		REPAIR ED	Y	
								
7. Description of V	Vork REPAIRED 2	INCH VALVE SEAL V	VELD R	REPAIR S	EAL	WELD) }	
8. Tests Conducted		neumatic Nominal		REMOVE A COMPLET Pressure TTP	E S	REINS EAL W	TACC ELD.	
11 in., (2)	Information in Item	of lists, sketches, or d is 1 through 6 on this r of sheets is recorded	eport is inc	luded on each s				

FORM NIS-Z (Back)
9. Remarks TRACKING NO. AR-06-240 CODE CASE N-416-2 1/0 03-012435-
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Oxulus Maint. Sinecialist Date 3/12 20 0. Downer 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 Texassic and employed by MSB-CT
of HATFord CT have inspected the components described in this
Owner's Report during the period 6/17/04 to 3/14/05 and state that to the be
of my knowledge and belief, the Owner has performed examinations and taken corrective measures describ
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, neith
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.
Bruce M. Earning's Commissions TN2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/14 20 05

	FORM NIS-2 OWN As Required	IER'S REPORT FOR by the Provisions of	REPAIRS The ASME	OR REPLACEM Code Section XI	ENTS			
1. Öwner TENN	essee valley al	ITHORITY	Date	7-21-04				
1101 Ma	Name rket St., Chattanoog	a, TN 37402	Sheet	/ of 2	:			
2. Plant Watts	Address Bar Nuclear Plant		Unit Un	it 1	•			
P. O. Bo	Name × 2000, Spring City,	TN 37381	WO	04-8138	45	-008		
3. Work Performed by WATTS BAR NUCLEAR PLANT			Type Code	epair Organization P. Symbol Stamp	O, No., N/A	Job No., etc.		
P.O. BOX 2000, SPRING CITY, TENN. 37381			Authorizati	on No N/A				
	Address		Expiration	Date N/A				
4. Identification of	4. Identification of system le? Chemical & Obtance control							
5. (a) Applicable Construction Code Section III 197 Edition, 572 Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 5. 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	Replacement	ASME Code Stamped (Yes or No)	
1-240-62-662-5	Crosbu	U=1403-a-206	94	NA	1971	repairment	4	
1-840-62462-5	1	W56903-00-0010	NA	Au	ادعا	reposed	Y	
128002-2-401-5	Cresta	Mary 127-8-20020-20	NIA	nossie	199,	Leboning	Ч	
1-250-02442.5	7	N-104643-	NA	D'SCENKI+	399	repacem	4	
		S!NN90137-8		0				
			-					
ļ 								
	 							
			L	<u> </u>	L		l	
7. Description of Work Revare REU								
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Pressure Nominal Operating Pressure Nominal Oper								
1 4416 /2)) information in item	n of lists, sketches, or ns 1 through 6 on this r of sheets is recorde	report is in	Cinged ou facti	vided sheet,	(1) size is 8 , and (3) eac	ch sheel	

Ł

Appendix V Page 19 of 76

	FORM NIS-2 (Back)
9. Remarks	RR-CA-OSO ADDICADO MANUALMERA DA LA RESDICADA DE ATURARA
	04-813845-08
	•
	·:
}	
	•
	CERTIFICATE OF COMPLIANCE .
We certify that the statemer rules of the ASME Code, S	ts made in the report are correct and this <u>replacement</u> conforms to the repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization I	lo. <u>N/A</u>
signed Ochlu	J. Collect Maint Special Date 3/27 20 65
	CERTIFICATE OF INSERVICE INSPECTION
	valid commission Issued by the National Board of Boiler and Pressure Vessel Province of المحتادة المح
	have inspected the components described in this
Owner's Report during the p	eriod 7/21/04 to 3/28/05 and state that to the bes
of my knowledge and belief,	the Owner has performed examinations and taken corrective measures describe
in this Owner's Report in acc	ordance with the requirements of the ASME Code, Section XI.
•	ther the inspector nor his employer makes any warranty, expressed or implied.
••	and corrective measures described in this Owner's Report. Furthermore, neither
	er 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.
Bruce M. E. Inspector's Signatur	Commissions TN = 534 National Board, State, Province, and Endorsements
Date 3/28	20 <u>05</u>

	FORMNIS-2 OW As Required	VERSIREPORTIFOR Lby the Provisions of	REPAIRS the ASME	OR REPLACEM Code Section X	ENT:			
1. Öwner TENN	Owner TENNESSEE VALLEY AUTHORITY Date 2							
1101 Mar	rket St., Chattanoog	a, TN 37402	Sheet / of 7 :					
2. Plant Watts	Address Bar Nuclear Plant		Unit Unit 1					
P. O. Bo	k 2000, Spring City,	TN 37381	WO 04-813845-003					
3. Work Performed	Address by WATTS BAR N	UCLEAR PLANT	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A					
P.O. BOX 2000, S	PRING CITY, TEN	Vame N. 37381		ion No N/A				
		Expiration	Date N/A			•		
4. Identification of system 74 Residual Heat Removal								
5. (a) Applicable Construction Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 6. Identification of Components Repaired or Replaced and Replacement Components								
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1-29-74-505	Crosby	שחום-פפ-שחם כן	NA	Ma	1975	Repared	4	
1-25-14-505	Crosby	N 20201-4-5033	NIA	NA	1957	Reformed	4	
								
								
								
				L	L			
7. Description of V	Vork Replace	d valve						
8. Tests Conducted: Hydrostatic D Pneumatic D Nominal Operating Pressure Other D Pressure psi Test Temp*F								
11 in (2)	Information in item	of lists, sketches, or ns 1 through 6 on this r of sheets is recorder	report is in	cluded on each s	vided sheel,	(1) size is 8 and (3) ead	火in. x th sheet	

Appendix V Page 21 of 76

FORM NIS-2 (Back)
9. Remarks PR-0U-05Z
OU-83845-03
•
7
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this PLD (ACKMENT conforms to the repair or replacement rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A
'Certificate of Authorization No. N/A
Signed Calling Maint Specialist Date 3/35 20 05
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the State or Province of Texessee and employed by HSB-cT of Hartford CT. have inspected the components described in this Owner's Report during the period 8/13/04 to 3/25/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Brue M. Earneyl Commissions True534 Inspector's Signature Commissions True534 National Board, State, Province, and Endorsements Date 3/25 2005

	FORMINIS 2 OWN AS Required	VER'S REPORTIFOR by the Provisions of	REPAIRS the ASME	OR REPLACEM Code Section XI	ENT		
1. Öwner TENN	ESSEE VALLEY AL	THORITY	Date 9	1-12-04			
	Name rket St., Chattanoog	ja, TN 37402	-	/ of 2		_	
2. Plant Watts	Address Bar Nuclear Plant			nit 1	•		
P. O. Bo:	x 2000, Spring City,	TN 37381	wo	. 04-813	94	5-009	
	Address by WATTS BAR NO		F	Repair Organization P. Symbol Stamp	O No		
P.O. BOX 2000, S	PRING CITY, TEN	lame N. 37381		ion No N/A	<u> </u>		
	Address	•		Date N/A		·	•
4. Identification of	system 67	cixs.					
	ix noiless to noille:	ASME TO THE 19 TI Utilized for Repairs of red or Replaced and	r Kepiacen	nents 1989	- -	Of Coo	ie Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-800-42-475	Crosby	5015 N EPJON-00-	NA	AU	1975	CEPacencin	0
1-840-45-612	Croepi	NSAW-00 - 5005	NIR	μħ	M75	Lespries	Y
					ĺ		
		•					
<u></u>							
7. Description of V	Vork Replace	value					
8. Tests Conducte	d: Hydrostatic 🗆 F Other 🗈 Pres	Pneumatic D Nomin sureps	al Operatin ii Test Te	g Pressure &	• F		
11 in (2) information in item	n of lists, sketches, or ns 1 through 6 on this r of sheets is recorde	report is in	cluded on each:	vided sheet.	(1) size is 8 and (3) ead	3½ in. x ch sheet

٠.

<

9. Remarks	PR-01 -051
•	04-513845-09
	·
	÷
,	
	•
	CERTIFICATE OF COMPLIANCE
We certify that the starules of the ASME Co	
Certificate of Authoriza	
Signed Ocall	li Maint Specialist Date 3/24 20 OF
	CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the Sta	Iding a valid commission issued by the National Board of Boiler and Pressure Vessel ate or Province of Tennessee and employed by HSB-CT
of Har	have inspected the components described in this the period 8//3/04 to 3/25/05 and state that to the best
In this Owner's Report By signing this certification concerning the examination the inspector nor his e	belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. ate neither the inspector nor his employer makes any warranty, expressed or implied, nations and corrective measures described in this Owner's Report. Furthermore, neither imployer shall be liable in any manner for any personal injury or property damage or a grown or connected with this inspection.
Brue 7	77. Earnings Commissions 7702534 gnature National Board, State, Province, and Endorsements

Ç

	FORMINIS 2 OW As Require	NERS REPORTIFOR Doy the Provisions of	REPAIRS the ASME	OR REPLACE!	VENT	S	
1. Öwner TENN	ESSEE VALLEY A	UTHORITY	Date	8-13-04			
. 1101 Mar	rket St., Chattanoog	ja, TN 37402	Sheet	/ of 2			
2. Plant Watts	Address Bar Nuclear Plant		Unit U	nit 1			
P. O. 80	2000, Spring City,	TN 37381	wo	04-8/3 Repair Organization P	845.	-10	
3. Work Performed	Address NO WATTS BAR NO	UCLEAR PLANT	Type Cod	Repair Organization P e Symbol Stamp	0. No. N/A	, Job Na., etc.	
P.O. BOX 2000, S	PRING CITY, TEN	Vame V. 37381	Authorizat	ion No N/A			
	Address	•	Expiration	Date N/A			
4. Identification of	system 62	CUCS.		•.			
(b) Applicable E	dition of Section XI	Scalion III 19 71 Utilized for Repairs of red or Replaced and	r Replacer	ments 1989	a, <u>l</u> 	<u> </u>	ie Case
Name of Component	Name of Manufacturer	Manufacturer Serial No. 1051900 - 00 - 20	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
1-254-62-649-5	Crosby	N2P400+00-0077	186	NA	1876	Reparment	7
	··						
7. Description of W	lork REPLAC	EO VALVE					
		neumatic D Nomina sureps					
11 in., (2)	information in item	of lists, sketches, or s s 1 through 6 on this of sheets is recorded	report is in	cluded on each s	vided sheet,	(1) size is 8 and (3) eac	⅓ in. x h sheel

9. Remarks	RR-OL-Q	ppiicable manuacturers	Uala Reports to		4-81384	5-10
· · · · · · · · · · · · · · · · · · ·				0	4-81384	5-10
						•
				•	:	
						
		····				
	. (CERTIFICATE O	OF COMPL	LIANCE		
. We certify that the s	tatements made in	the report are o	correct and	this KALA	CEMUAT CO	nforms to t
		t the report are t		repair or i	replacement	
rules of the ASME	Code, Section XI.					
	01 AVA					
Type Code Symbol:	Stamp N/A					
Certificate of Author						
Signed Coll	in Maint	. Snecial	rst	Date	3/11	20
Oigilou Coo	Owner or Owne	ers Designee, Title				
	CERT	IFICATE OF IN	SERVICE	INSPECTION		
I, the undersigned, t	oldina a valid com	heussinn issued	by the Nat	ional Board of	Boiler and Pres	sure Vess
Inspectors and the S	tate or Province o	e Tennessee	and em	played by	HSB-CT	
of	ATFORD CT.	ha	ve inspect	ed the compor	nents described	in this
Owner's Report duri	as the period	8/13/04	to	124/05	and state	that to the
of my knowledge an	d ballof the Owne	r has performed	examinati	ons and taken	corrective mea	sures desc
in this Owner's Repo	d belief, the Owne	with the requirem	nears of the	ASME Code	Section XI.	• :
By signing this certif	on in accordance v	scooter archie	emolovet r	nakes anv wai	rranty expresse	d or implie
concerning the exam	icate flettiet file ii	ispector nor ms	described	in this Owner	s Report. Furth	ermore, ne
the inspector nor his	ninations and cont	Clive Measures	acconoca annor for a	ny narennal in	iury or property	damage o
				my personal m	ignity of property	
loss of any kind aris	ing from or connec	itea with this ins	pection.			
63 rue 7	M. Earnigh Signature	Commissions	TNA	534 Daniel Clark	Denvises and	Fodorseme
			Mational	i board, State,	Linkings, and	L. 140,00111
Date	2005					
- ··-						

		NER'S REPORT FOR I by the Provisions of					
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date 3	5 -23-05	£11	04/27/05	_
1101 Ma	rket St., Chattanoo	oga, TN -37402	Sheet	/ of 2			
2. Plant Watts	Address Bar Nuclear Plant	<u> </u>	Unit U	nite i sul	23-05	5	
P. O. Bo	x 2000, Spring Cit	y, TN 37381	MMG/WO	# 04-813845-007	7		
3. Work Performe	Address d by MECHANICAL	MAINTENANCE		Repair Orcanization P e Symbol Stamp			
WATTS BAR NUCLEA SPRING CITY, TN 373	IR PLANT,PO BOX 2000	Name	Authorizat	ion No N/A			
SPRING CITT, TN 3/3	Address		Expiration	Date N/A			
4. Identification of	system SYSTEM	068, REACTOR CO	-		_		
(b) Applicable E		SECTION III 19 71 Utilized for Repairs of red or Replaced and	·	ments 1989	, <u>N</u> O	NE Cor	de Case
Name of Component		Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-RFV-068-0563	CROSBY PA	N56964-10-0029- N56964-00-0097	N/A	HB-86-BP	1983	REPLACE- MENT	Y
		MH33/31/K					
1-8FU-068-05W	Crosb:	N56964-10-0096	WA	HB-86-BD	NF	Replaced	4
	,						
				·			
					_		
7. Description of W	/ork_REPLACE EX	ISTING VALVE WIT	H NEW VA				
8. Tests Conducted	d: Hydrostatic P Other Press			<u>,</u>	be pr F	rform ca TRI-68.	by
11 in., (2)	Information in item	of lists, sketches, or s 1 through 6 on this of sheets is recorded	report is in	cluded on each s			

FORM NIS-2 (Back)
9. Remarks 7RACKING # RR-06-056 WO 04-8/3845-007
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed State of Mulamit Nohomal Engineer Date 3-23-05 20 05
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 Texassee and employed by HSB.cT
of HarT For J CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/23/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Brue M. Earnigh Commissions 7x2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/23 20 05

1 5	FORM NIS-2 ON AS Require	NER'S REPORT FOR diby the Provisions of	RIREPAI I the ASI	RS OR REPLACE! Æ Code Section X	NENTI L		
1. Owner TEN	NESSEE VALLEY	UTHORITY	Date	3-1	4-05		
1101 M	Name arket St., Chattano	oga, TN 37402	Sheet	of			
2. Plant Watt	Address s Bar Nuclear Plan		Unit	Unit 0			
P. O. B	ox 2000, Spring Cit	tv. TN 37381	MMG/M	VO# 04-813875-000	0		
	Address ed by MECHANICA			Regair Organization Pode Symbol Stamp	.O. No.	. Job No., etc.	
′	AR PLANT,PO BOX 2000	Name		zation No N/A	1977		
	Address	-	Expirati	on Date N/A			
4. Identification o	f system 062, CV	CS, CENTRIFIGUL C	-		OMPC	NENTS	
(b) Applicable	Edition of Section X	SECTION III 19 74 Utilized for Repairs of the control of Replaced and	or Replac	cements	a	Coo	ie Case
Name of Component SEAL HOUSING	Name of Manufacturer	Manufacturer Serial No.	Netiona Board N		Year Built		ASME Code Stamped (Yes or No)
RADIAL			<u> </u>	0108 -A)	MENT	
SEAL PLATE RADIAL	PACIFIC PUMP	59785-23-AA	N/A	1-PMP-062- 0108 -A	1974	REPLACE- MENT	
SEAL HOUSING THRUST	PACIFIC PUMP	67953-68-AE	N/A	1-PMP-062- 0108-A	1974	REPLACE- MENT	
SEAL PLATE THRUST	PACIFIC PUMP	8 1898-52-AA^T/24 -8 BIB398-52-AK	N/A	1-PMP-062- 0108-A	1974	REPLACE- MENT	
Seal Housing RAVIAL		63593-ZB-AB				REPLACED	
Seal Plate RADIAL		59885-6-AF					
seal Housing THRUST		63893-21-AC					
seal flate Thoust	~	59785-21-48	4	V	1	1	
	Work REPLACE SI	EAL HOUSINGS AND	SEAL	PLATES (RADIAL	& THE	RUST).	
8. Tests Conducte	ed: Hydrostatic F Other Pres	Pneumatic Nomini sureps	al Operat i Test	ting Pressure 🔀 Temp	F		
11 in., (2	2) information in item	of lists, sketches, or ns 1 through 6 on this r of sheets is recorded	report is	included on each s			

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Colorent conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Alle Montre Doubles. 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 Temptists and employed by HSB-CT Owner's Report during the period Size of 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 arry warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes arry warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes arry 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. Successional Signature Commissions National Board, State, Province, and Endorsements Date 3/11/1 20.05	FORM NIS-2 (Back)
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Prolection of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Authorization No. N/A Signed 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 Temessee and employed by HSB-CT of Hartford CT. have inspected the components described in this Owner's Report during the period St/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Succession Signature Commissions Tables National Board, State, Province, and Endorsements	9. Remarks TRACKING # RR-06-057 WO # 04-8/3875-000
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	Management and interview a Date Laborat to be writting
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	
We certify that the statements made in the report are correct and this Price of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by MSB-CT of Matter CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 253 4 National Board, State, Province, and Endorsements	••
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Country Owner's Decichee. 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 Iewessee and employed by HSB-CT of Hartford CT. have inspected the components described in this Owner's Report during the period S/17/04 to 3/17/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Summ. Earnings Commissions TN 253 Y National Board, State, Province, and Endorsements	
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Country Owner's Decichee. 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 Iewessee and employed by HSB-CT of Hartford CT. have inspected the components described in this Owner's Report during the period S/17/04 to 3/17/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Summ. Earnings Commissions TN 253 Y National Board, State, Province, and Endorsements	We certify that the statements made in the report are correct and this Rplacement conforms to the
Certificate of Authorization No. N/A Signed Authorization No. N/A Signed Authorization No. N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Iemessee and employed by HSB-CT of Harrisod CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions Twasy National Board, State, Province, and Endorsements	
Signed Control of Authorization No. N/A Signed Control of Note of Not	
Signed Mant Specialist Date 3/13 20 ds CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB-CT of Hartford CT. have inspected the components described in this Owner's Report during the period S/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions Tw2534 National Board, State, Province, and Endorsements	Type Code Symbol Stamp N/A
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB-CT of HATTORD CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TN 253 4 National Board, State, Province, and Endorsements	Certificate of Authorization No. N/A
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB-CT of HATTORD CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TN 253 4 National Board, State, Province, and Endorsements	Signed Will Mount Specialist Date 3/13 20 de
Inspectors and the State or Province of Tennessee and employed by HSB-CT of HATFORD CT. have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Bruch Earnes Commissions The 23 4 National Board, State, Province, and Endorsements	Owner or Owner's Dosighee, Title
Inspectors and the State or Province of <u>Jewessee</u> and employed by <u>HSB-CT</u> of <u>HATTORD CT.</u> have inspected the components described in this Owner's Report during the period <u>8/17/04</u> to <u>3/14/05</u> 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. Bruce M. Earnigh Commissions Tw2534 Inspector's Signature Commissions Tw2534 National Board, State, Province, and Endorsements	CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the State or Province of <u>Jewessee</u> and employed by <u>HSB-CT</u> of <u>HATTORD CT.</u> have inspected the components described in this Owner's Report during the period <u>8/17/04</u> to <u>3/14/05</u> 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. Bruce M. Earnigh Commissions Tw2534 Inspector's Signature Commissions Tw2534 National Board, State, Province, and Endorsements	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
have inspected the components described in this Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions T. 253 4 Inspector's Signature National Board, State, Province, and Endorsements	
Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Bruch Lames Commissions The 23 4 National Board, State, Province, and Endorsements	of HarTFord CT. have inspected the components described in this
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. Bruce M. Earnigh Commissions TN 253 9 Inspector's Signature Commissions TN 253 9 National Board, State, Province, and Endorsements	Owner's Report during the period 8/17/04 to 3/14/05 and state that to the best
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. Bruce M. Earnigh Commissions TN 253 9 Inspector's Signature National Board, State, Province, and Endorsements	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
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. Commissions TN 253 4	in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
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. Such M. Earnigh Commissions TN 253 9 Inspector's Signature National Board, State, Province, and Endorsements	By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
loss of any kind arising from or connected with this inspection. Succe M. Earnings Commissions T.N. 253 4 Inspector's Signature National Board, State, Province, and Endorsements	concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
Snuc M. Earnighs Commissions TN 2534 Inspector's Signature National Board, State, Province, and Endorsements	•
	loss of any kind arising from or connected with this inspection.
	Inspector's Signature Commissions TN 253 9 National Board, State, Province, and Endorsements
uale	
	Unite

	EOAM	NISE OW As Hequire	NERS REPORT FO d by the Provisions o	R REPAIR TOTE ASM	S OH REPLACE Code Section 2	MEN	S	
1. Owner T	ENNESSEE	VALLEY A	AUTHORITY	Date	3-	21-0	2 ،	
110	1 Market St.	, Chattano	oga, TN 37402	Sheet	of			
2. Plant V	/atts Bar Nu	Address olear Plant	t	Unit L	Jnit 1			
P. C	. Box 2000,	Name Spring Cit	y, TN 37381	MMG/WG	O# 04-813661 - 00	 0		
3. Work Perfo	Address 3. Work Performed by MECHANICAL MAINTENANCE				Recair Organization F le Symbol Stamp	O. No N/A	Job No., etc.	
WATTS BAR NU SPRING CITY, TI		PO BOX 2000	Name	Authoriza	ition No N/A			
or mino orre, in		Address		Expiration	n Date N/A			
4. Identificatio	n of system	SYSTEM	068, REACTOR CO	-				
5. (a) Applical (b) Applical		_	SECTION III 19 80 Utilized for Repairs	Edition, or Replace		a, <u>NC</u>	ONE Co	de Case
6. Identificatio	n of Compor	ients Repai	red or Replaced and	Replacem	ent Components			
Name of Compor	nent Name of	Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-PCV-068-03 A		TROCK	5	N/A	82UU-001		REPLACE- MENT	Y
	İ			1			<u> </u>	
				·				
	_		···				-	
								: !
				<u> </u>				
		1			<u> </u>			
. Description	of Work RE	PLACE EX	ISTING VALVE WIT	H NEW VA	ALVE			
i. Tests Condu	acted: Hydro Other		neumatic Nomina	al Operating Test Te	g Pressure	erto Wo- F	rmance : 54-813 81-68-6	15 661-
11 În.	, (2) informa	tion in item:	of lists, sketches, or s s 1 through 6 on this of sheets is recorded	report is in	cluded on each s			

FORM NIS 2 (Back)
9. Remarks TRACKING + RR-06-059 WO + O4-8/366/-000
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Culti 3 nexicult Date 3/4 20 25
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 <u>Tennessee</u> and employed by <u>HSB-CT</u>
of
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.
Brue M. Eamigh Commissions TN 2534
Inspector's Signature U National Board, State, Province, and Endorsements
Date 3/21 20 05 -

eral (NER'S REPORTED d by the Provisions of						
1. Owner TENN	NESSEE VALLEY	AUTHORITY	Date	3-	21/0	5		
1101 Ma	Name arket St., Chattano	oga, TN 37402	Sheet	of	•			
. Plant Watts	Address Bar Nuclear Plan	t	Unit U	Init 1				
P. O. Bo	Name ox 2000, Spring Cit	ty, TN 37381	MMG/WO# 04-813662-000					
. Work Performe	Address d by MECHANICA	L MAINTENANCE	Type Cod	Recair Organization File Symbol Stamp	NVA	Job No etc.		
NAME NATTS BAR NUCLEAR PLANT, PO BOX 2000 SPRING CITY, TN 37381			Authoriza	tion No N/A				
	Address		Expiration	Date -N/A				
. Identification of	system SYSTEM	1068, REACTOR CO	-					
		Utilized for Repairs ired or Replaced and	•		_			
, 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)	
-PCV-068-0334-	TARGET ROCK	4	N/A	8200-001		REPLACE- MENT	Y	
Description of W	/ork REPLACE EX	(ISTING VALVE WIT	H NEW VA	LVE				
Tests Conducted		neumatic Nomina	al Operating Test Te	g Pressure	FR	o Be PE 00-04-813 1-TRI-68	162-001	
11 in., (2)	Information in item	of lists, sketches, or s 1 through 6 on this of sheets is recorded	report is inc	lay be used, prov cluded on each s	udea ((1) SIZE IS 81	/2 In. X	

1941
9. Remarks TANCKING # AK-06-060 WO 04-8/3662-000
Afternate was proceed to be visited as
_ CERTIFICATE OF COMPLIANCE .
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement
rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Ply Class April Date 3-21 20 05 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 Tennessec and employed by HSB-CT
of HarT For d CT. have inspected the components described in this
Owner's Report during the period $8/17/04$ to $3/21/05$ and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
B. mc. 1
Inspector's Signature Commissions TN 2534 National Board, State, Province, and Endorsements
Date 3/2/ 20 05
Í

	FORM NIS-Z OWN	IER'S REPORT FOR	REPAIRS the ASME	OR REPLACEN Code Section XI	ENTS			
1. Öwner TENNE	ESSEE VALLEY AL	ЛНОRПY	Date 2	3/28/05				
1101 Mar	Name ket St., Chattanoog	a, TN 37402	Sheet	/ of 7				
2. Plant Walts	Address Bar Nuclear Plant		Unit Ur		•			
P. O. Box	Name 2000, Spring City,	TN 37381	wo	04-813	8 45	-013		
3. Work Performed	Address	ICLEAR PLANT		Repair Organization P Symbol Stamp				
P.O. BOX 2000, S	PRING CITY, TEN	lame 1, 37381		ion No N/A				
	Address		Expiration	Date N/A				
4, Identification of	system	Sofeke Inj						
5. (a) Applicable Construction Code Section III 19 71 Edition, 572 Addenda, WA 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		National Board No.	Other Identification	Year Built	Repaired, Replaced, or Reclacement	ASME Code Stamped (Yes or No)	
(2470 43044	Crossy	N//				repared		
1-850-63-626-13	Crossay		MA	NA	957	Cepaumen	7	
7. Description of V	Vork Reday	Oalve						
	Other u Pies	neumatic Nomin Sureps	. 163(16	:mp	•			
11 in (2)	information in item	of lists, sketches, ar is 1 through 6 on this r of sheets is recorded	report is in	cinded on sach	vided sheet,	(1) size is (and (3) eac	31/2 in. x ch sheet	

Ł

Appendix V Page 35 of 76

9. Remarks	Re-de-de3	
•	O(4-813845-13
		•
	\$	
— <u>————————————————————————————————————</u>	CERTIFICATE OF COMPLIANCE	 -
We certify that the standard rules of the ASME C	atements made in the report are correct and this <u>MORCY</u> repair or report of section XI.	ement conforms to the blacement
Type Code Symbol S	tamp N/A	
Certificate of Authoriz	ration No. N/A	
signed Och	Matert Specialist Date Date	3/27 20 0
	CERTIFICATE OF INSERVICE INSPECTION	
	olding a valid commission issued by the National Board of Board of Board of Province of <u>Temmessee</u> and employed by <u>HSL</u>	_
of Hast	have inspected the component of the period 8/13/04 to 3/28/05	nts described in this
	belief, the Owner has performed examinations and taken co	
•	t in accordance with the requirements of the.ASME Code, S	
• •	cate neither the Inspector nor his employer makes any warra	
	nations and corrective measures described in this Owner's F employer shall be liable in any manner for any personal injur	
=	employer snall be liable in any manner for any personal injur g from or connected with this inspection.	y of bioperty damage of a
1055 of any kind arisin	g from of confected with this hispaction.	
B 2	n family amining Tuesay	
Inspector's S	M. Eamigh, Commissions 722534 ignature National Board, State, Pr	rovince, and Endorsement
Date 3/28	20.45	

	FORMINIS 2 OW As Required	VERSIREPORT FOR I by the Provisions of	REPAIRS Ine ASME	OR REPLACEM Code Section X	ENT:				
1. Öwner TENN	ESSEE VALLEY A	UTHORITY	Date	03/23/05	-				
1101 Mai	Name rket St., Chattanoog	78, TN 37402	Sheet	/ of 2					
2. Plant Watts	Address Bar Nuclear Plant		Unit U	nit 1	•				
P. O. Box	Name 2000, Spring City,	TN 37381	0	4-813 845		14			
3. Work Performed	Address by WATTS BAR N	UCLEAR PLANT	Type Code	Repair Organization P Symbol Stamp	.0. No. N/A	Job No., etc.			
P.O. BOX 2000, S	PRING CITY, TEN	Varne N. 37381	Authorizat	ion No N/A			·		
	Address		Expiration	Date N/A					
4. Identification of	system								
(b) Applicable E	5. (a) Applicable Construction Code School The 19 1 Edition, 572 Addenda, WA 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 1-CCU-U3-U27-G		Manufacturer Serial No.	National Board No.	Other Identification	Year Buin	Repaired, Replaced, or Replacement Replacement	ASME Code Stamped (Yes or No)		
_	۱ ،	NA	Ma		3	Replaced	4		
1-840-63-627-8	Closey	10//	7-71						
	•					· · · ·			
7. Description of W	Vork Restau	value							
•	Other D Press	neumatic D Nomina sureps	i Test Te	emp	F				
44 in /2\	information in item	of lists, sketches, or is 1 through 6 on this of sheets is recorded	report is in	Cipasa ou camis	vided sheet,	(1) size is 8 and (3) eac	h sheel		

.

	FORM	NIS-2 (Back)	4.0.6	Hard Service	
9. Remarks	Re-ole-only				
•	white me mediate	is Dais Mepoils in an All	eched	04-81384	15-14
 	,	·*····································		<u> </u>	•
			<u>:</u>		
					
·	7	·			
	. CERTIFICATE	OF COMPLIAN	CE		•
We certify that the statemen	its made in the report are	correct and this	replace	ement con	forms to the
rules of the ASME Code, S		1	repair or re	placement	
rules of the Name ander o	sedon XI.				
Type Code Symbol Stamp	N/A				
Certificate of Authorization I	No. N/A				
2/ 2/		NLIVEEL	Date	02/24	20 05
Signed Yun (wner of Owner's Designee, Title		. Date .	03/27	20
	CERTIFICATE OF I	ISERVICE INSP	ECTION		
I, the undersigned, holding a	valid commission issued	by the National	Board of E	oiler and Press	ure Vessel
Inspectors and the State or I					
of HATTFOR	d cT. h	ave inspected the	compone	nts described in	this
Owner's Report during the p	eriod <u>8/18/04</u>	to <u>3/24/</u> c	<u></u>	and state t	hat to the best
of my knowledge and belief,	the Owner has performe	d examinations a	nd taken co	orrective measi	ıres described
in this Owner's Report in acc			• •	•	÷.′ -
By signing this certificate nei					
concerning the examinations					
the inspector nor his employe	er shall be liable in any m	anner for any pe	rsonal injur	y or property di	amage or a
loss of any kind arising from	or connected with this in	pection.			
•					
Bruer M. E	Commission:	TN2534			
Inspector's Signature	, 0	National Board	d, State, Pr	rovince, and En	dorsements
Date 3/24	20 <u>05</u>				
	,				
					_

		•				<u> </u>	Arte of a second
		NER'S REPORT FOR 1 by the Provisions of				6	
1. Owner TENN	NESSEE VALLEY A	UTHORITY	Date 0	6-17-2004			
1101 Ma	Name arket St., Chattano	oga, TN 37402	Sheet	of			
2. Plant Watts	Address Bar Nuclear Plant	t	Unit U	 Init 1			10.
P. O. Bo	Name ox 2000, Spring Cit	y, TN 37381	W/O 03-	022635-000- (ევ -	003176	000
3. Work Performe	Address d by MECHANICAL	L MAINTENANCE	Type Cod	Repair Organization File Symbol Stam	P.O. No P.N/A	Job No etc.	
P.O. BOX 2000 S	PRING CITY, TN 37	Name 7381	Authoriza	tion No N/A			
	Address	•	Expiration	n Date N/A			
4, Identification of	system 062 -C.\	v.c.s.					
(b) Applicable B	Edition of Section XI	SECTION III 19 74 Utilized for Repairs of ired or Replaced and F	r Replacen	nents 1989	a, n/i	a Co	de Case
Name of Component	Name of Manufacturer		National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
VELD NO. 2-062A-T023-12#A	N/A	N/A	N/A	SEAL WELD	VIA	REPAIR ED	Y
होते <i>प</i>							, — — —
		•					
							
	<u> </u>		<u></u>				
. Description of W	Jork REPAIRED 2	INCH VALVE SEAL V	VELD				
. Tests Conducted	d: Hydrostatic P Other Press	neumatic Nominal	Operating Test Te	Pressure 7	F		
11 in., (2)	information in item	of lists, sketches, or d s 1 through 6 on this r of sheets is recorded	eport is inc	luded on each sl			

L FORM NIS-2 (Back)
9. Remarks TRACKING NO. RR- 06° 067 CODE CASE N-416-2
Applicable Marinacturer's Data Reports to be Atlanted WD D3-022635-000
03-003170 -0 00
Jog robulog
. CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Signed Jant Colle Maintenane Specialist Date 10/13/04 20 04
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the State or Province of Teuresce and employed by HSB-CT of HArTford etc. have inspected the components described in this Owner's Report during the period 8/26/04 to 10/20/04 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. Bruce M. Earnigh Commissions TN 2534 Inspector's Signature Commissions TN 2534 National Board, State, Province, and Endorsements Date 10/20 20 04

	FORM NIS-2 OW LAS Require	NER'S REPORT FOR d by the Provisions of	REPAIRS	OR REPLACEN	IENTS			
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date	3/281	05	- <u></u> 1		
1101 Ma	rket St., Chattanoo	ga, TN 37402	Sheet	1 of A	2	28 C03/20/	25	
2. Plant Watts	Address Bar Nuclear Plant		Unit U	nit 1				
P. O. Bo	Name ox 2000, Spring City	, TN 37381	MMG/WO	# 04-B13850-000)			
3. Work Perlorme	Address d by MECHANICAL	MAINTENANCE	Type Code	eoair Organization P Symbol Stamp	O. No. N/A	. Job No., etc.		
WATTS BAR NUCLEA SPRING CITY, TN 373	AR PLANT,PO BOX 200	Vame 0	Authorizat	ion No N/A				
	Address		Expiration	Date N/A				
4. Identification of	system 068, REA	CTOR COOLANT SY	YSTEM					
	Construction Code		Edition, S		a, NO	NE Co	de Case	
(b) Applicable E	dition of Section XI	Utilized for Repairs or	Replacem	ents 1989				
6. Identification of	Components Repair	red or Replaced and F	Replaceme	nt Components				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Iden:Ification	Year Built	Repaired, Replaced, or Replacemen t	ASME Code Stamped (Yes or No)	
RCP CARTRIDGE SEAL	Westinghouse	2287	N/A	2D74703-G01	1990	Replace ment	NO	
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>								
7. Description of W	/ork Replace exi	sting seal with rebui	ilt seal rem					
8. Tests Conducte	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.								

Ros 2/16/05

FORM NIS-2 (Back)
9. Remarks Tracking Number RR-06-082 WO 04-813850-000
The cartridge seal being installed (S/N: 2287) was removed from RCP-2 during RFO5 by WO 03-014058-000.
·
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 N/A
Certificate of Authorization No. N/A
Signed Ochlish Maint Specialist Date 3/28 20 05
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 Texessec and employed by HSB-CT
of have inspected the components described in this
Owner's Report during the period 9/20/04 to 3/28/55 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.
B. m s. ilusesu
Bruu M. Earnighs Commissions TN 2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/28- 20 05

ROS ZIIGIOS

	GORMINIS-2 OW As Regula	NER'S REPORT FOR d by the Provisions of	REPAIRS the ASME	OR REPLACE Code Section X	MEN L	IS ,	
1. Owner TEN	NESSEE VALLEY A	UTHORITY	Date · ·	03/07/05			
1101 N	Name larket St., Chattanoo	ga, TN 37402	Sheet	of			
2. Plant Wat	Address ts Bar Nuclear Plant		Unit L	Jnit 1			
	Name ox 2000, Spring City		Work On	der # 03-004777	7-002	<u> </u>	
3. Work Perform	ed by TVA Modifica	itions	Type Cod	Repair Organization in the Symbol Stam	P.O. N P N	lo., Job No., etc VA	
Watts Bar Nucle	ar Plant	Name	Authoriza	tion No N/A	_		
	Address	·	Expiration	n Date N/A			
4. Identification o	f system 068 Rea	ctor Coolant System					
(b) Applicable	:	ASME III 19 71 Utilized for Repairs of Replaced and I	•	nents 1989	a, <u>l</u>	VA Cod	ie Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built		ASME Code Stamped (Yes or No)
1-DRV-068-0581	FLOWSERVE	40AYA	N/A	NA	2004	Replacement	Υ
	 						 -
	 						
7. Description of V	Vork Remove exist	ting valve/piping as re	quired to re	eplace valve.			
3. Tests Conducte	-	Pneumatic a Nomin	al Operatir Test Ter	ng Pressure # @	94-	Work D 815778	
11 ln., (2) information in items	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded a	eport is inc	luded on each sl			

NIS-2 FORM SHEET 2 OF 2

		T FORM N	IS-2 (Back)				
9. Remarks	Code Case N-416-2	Tracking	No. RR-C	26-08	4		
					ork Order 0	3-00477	7-002
							
<u> </u>							
							
		CERTIFICATE O	OF COMPLIAN	CE			
				•			
We certify that	the statements made in	n the report are c			ent placement	conforn	ns to the
rules of the AS	SME Code, Section XI.	:		•			
Type Code Syr	mbol Stamp	/4					
	uthorization No 🚜	,					
Signed B	6 Callin	E _E			Jarch	7	20 05
Olgifed	Owner or Owne	er's Designee. Title		Date F	Tarcol	<u>.,</u>	20 0
	CERT	IFICATE OF INS	ERVICE INSPI	ECTION			
I, the undersign	ned, holding a valid com	ımission issued b	y the National I	Board of B	oiler and P	ressure '	Vessel
Inspectors and	the State or Province o	Tennessee	and employed	i by	ISB-CT		
of		hav	e inspected the	compone	nts describ	ed in this	s
Owner's Report	during the period <i>[3</i>]	12/34	10_3/7/02	5'	and sta	ate that	to the best
-	ge and belief, the Owner	-				easures	described
	Report in accordance w	•					
	certificate neither the in	•	•	•	•		1
_	examinations and corre or his employer shall be				•		1
•	arising from or connect	-	• •	isonai niju	iy or proper	iy dailla	99012
1000 of any kina	unsing nom or connec	ica mili tilo lilopi	.011011.				j
Bruce	M. Eamigh	_ Commissions _	TN2534				
Inspect	or's Signature		National Board	I, State, P	rovince, and	i Endors	sements
Date <u>3/7</u>	20 <u>05</u>	_					
							1
							

		VER'S REPORT FOR I by the Provisions of				S	
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date	1/18/20	05		
1101 Ma	Name rket St., Chattanoo	ga, TN 37402	Sheet	j of	1		
2. Plant Watts	Address Bar Nuclear Plant		Unit	1			
P. O. Bo	Name x 2000, Spring City	y, TN 37381	wo:	05-81007	9-000)	
3. Work Performed	Address d by MECHANICAL	MAINTENANCE		Recair Organizati e Symbol Sta	on P.O. No.	Job No., etc.	
WATTS BAR NUCLEA SPRING CITY, TN 373	R PLANT, PO BOX 2000	lame	Authoriza	lion No	•	NA	
SPRING CITT, 114 070	Address		Expiration	Date		r/A	
4. Identification of	system _ C.V.C	S. SEAL WA			#3		
5. (a) Applicable C	Construction Code	ECTION III 1974	-Edition,	1974 Adde	enda, W	1974 Cod	le Case
(b) Applicable E	dition of Section XI	Utilized for Repairs (r Replace	ments 19	89		
6. Identification of	Components Repai	red or Replaced and	Replaceme	ent Compone	nts		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica		Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
WEW NO. 1-0628-7217-01A	NA	NA	NIA	1-CKV-62-		ह्यपद्गार्थ्य	비
10000							
					_		
						 	
				 	}		
		i 	<u> </u>				
		<u> </u>		ļ			
			L <u></u>	<u> </u>			
7. Description of W	Vork INSTALL	BONNET SEA					
8. Tests Conducted			To parating Test Test Test	g Pressure emp	d in F _•F	-TRI - 68 Walkdou	3-6 un.
11 in., (2)	Information in item	of lists, sketches, or s 1 through 6 on this of sheets is recorded	report is in	cluded on ea			

FORM NIS 2 (Back)
9. Remarks Got Core N-416-2 Wo: 05-810075-000 Applicable Manufacturer's Data Reports to be Atlanted TRACKING # RR-06-097
TRACKING # RR-06-097
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE REPLACEMENT WAR I (19/1005
We certify that the statements made in the report are correct and this FEFAIE conforms to the
repair or replacement
rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
signed Ofalli Maint Specialist Date 3/04 2005
Owner or Owner's Desidnee. 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 Teurissee and employed by HSB-CT
of have inspected the components described in this
Owner's Report during the period 1/2/1/2 to 3/5/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
In this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions TN2534 National Board, State, Province, and Endorsements
Date : 3/5 20 8 5
)
1

			IER'S REPORT FOR					
1. Owne	r TENN	ESSEE VALLEY A	UTHORITY	Date	1/19/2005			
	1101 Ma	rket St., Chattanoo	ga, TN 37402	Sheet	of			
2. Plant	Watts	Address Bar Nuclear Plant		Unit	1 .			
	P. O. Bo	Name x 2000, Spring City	, TN 37381		05-810074-	000		
3. Work	Performe	Address d by MECHANICAL	MAINTENANCE	Type Co	Recall Organization Fi de Symbol Stamp	.O. No.	Job No., etc.	
		R PLANT, PO BOX 2000	lame	Authoriza	ition No	NIA		
SPRING CITY, TN 37381 Address				Expiratio	n Date	NIA		
4. Identi	Identification of system CVCS SEAL WATER INJ. PUP # 1							
5. (a) Ar	oplicable C	Construction Code 5	ESTION 111 1974	Edition,	1974 Addenda	a, W	1974 Cod	le Case
(b) Ap	oplicable E	Edition of Section XI	Utilized for Repairs of	or Replace	ments 1989			ĺ
6. Identi	fication of	Components Repai	red or Replaced and	Replacem	ent Components			
Name of	- Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification		Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
iveu) Na I-OUZA-	TII8-OIA	NA	NIF	NA	1-CKV-62-560	NIF.	REFLACEMENT	415
					 			
				 	 			
					 			
			·		 			
		<u> </u>			<u></u> _	<u></u> _		
7. Descr	iption of V	Vork INSTALL	BUNNET SEA	L WEL	D ON 1-CH			
8. Tests	Conducte			al Operation		r- 6 P •F	8-6 to erform P	חווי
NOTE:	11 in., (2)) Information in Item	of lists, sketches, or is 1 through 6 on this of sheets is recorde	report is i	ncluded on each			

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		امراحا	20 ⁽
FORM NIS-2 (Back)		μŘ		
9. Remarks Cook C47E N-4/6-2 Approache Maintacturers Data Reports to be Attached TRACKIAN No RK-06-093	W	: 8	05-5	810074-000
TRACKING No RX-06-093				
		-		-
CERTIFICATE OF COMPLIANCE				
- We certify that the statements made in the report are correct and this <u>FG</u>	PLACEN	NENT	co	nforms to the
rules of the ASME Code, Section XI.	ir or re	placem	ent	
Tules of the Advice dade, decidit At.				
Type Code Symbol Stamp N/A				
Certificate of Authorization No. N/A				
Signed Calle Maint - Specialist Da	ate	3/0	4	20 05
Owner or Owner's Designed, Title	···			
CERTIFICATE OF INSERVICE INSPECT	ION			
I, the undersigned, holding a valid commission issued by the National Boa				
Inspectors and the State or Province of Temessee and employed by				
of Hariford CT. have inspected the con				
Owner's Report during the period //21/05 to 3/5/05				
of my knowledge and belief, the Owner has performed examinations and t				sures described
In this Owner's Report in accordance with the requirements of the ASME C By signing this certificate neither the inspector nor his employer makes any				d or implied
concerning the examinations and corrective measures described in this Ov				
the inspector nor his employer shall be liable in any manner for any person		-		
loss of any kind arising from or connected with this inspection.				
Brun M. Esmish Commissions TN 2534 Inspector's Signature National Board, S				
Inspector's Signature National Board, S	tate, P	rovince	, and E	Indorsements
Date	•			
				

		NER'S REPORT EOR I by the Provisions of					
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date 0	1-26-2005			
1101 Ma	rket St., Chattano	oga, TN 37402	Sheet	/ of 2			
2. Plant Watts	Address Bar Nuclear Plant	<u> </u>	Unit <u>U</u>	nit 1		• . • •	_
P. O. Bo	Name ox 2000, Spring Cit	y, TN 37381	W/O 04-8	33845-024			
3. Work Performe	Address d by MECHANICA!	MAINTENANCE	Type Cod	Repair Organization F e Symbol Stamp	N/A	. Job No., etc.	
P.O. BOX 2000 S	PRING CITY,TN 37	Name '381	Authoriza	lion No N/A			
	Expiration	Date N/A					
4. Identification of	system 062 - Cl	HEMICAL AND VOLU	ME CONTI	ROL ·			
5. (a) Applicable C	Construction Code	SECTION III 19 71	Edition, S	372 Addend	a, N/	A Cod	de Case
(b) Applicable E	dition of Section X	Utilized for Repairs of	Replacen	nents 1989			
6, Identification of	Components Repa	ired or Replaced and F	Replaceme	nt Components			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	
1-RFV-062- 0636-S	CROSBY	N56900-00-0006	129	N/Ā	75	REPLAC EMENT	7
1-RFV-062- 0636-S	CROSBY	N56900-00-0020	N/A	N/A	75	REPLAC ED	Ψ
7. Description of V	Vork Replace	d value with	n neu	o valve			
8. Tests Conducte		neumatic Nomina		Pressure X	F		. !
11 in., (2)	information in item	of lists, sketches, or one of through 6 on this is	eport is ind	cluded on each s			

FORM NIS-2 (Back)
9. Remarks TRACKING NO. RR-06-077 CODE CASE N/A WO 64-6/3845-029 Applicable Manufacturer's Data Reports to be Affached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Callin Maint, Specialist Date 3/10 20 05
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 #SE-CT
of <u>HarTford</u> CT. have inspected the components described in this
Owner's Report during the period 1/27/05 to 3/25/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Bour M Emil Commissions TN 2534
Inspector's Signature Commissions TN2534 National Board, State, Province, and Endorsements
Date 3/25 20 05

NIS-2 FORM SHEET 1 OF 2

	FORM NIS-2:0W As Require	NEA'S REPORT FOR d by the Provisions of	REPAIRS the ASME	OR REPLACEM Code Section X	(ENT			
1. Owner TENN	IESSEE VALLEY A	UTHORITY	Date	3/10/2	2005	5		
1101 Ma	rket St., Chattanoo	ga, TN 37402	Sheet	1 of	2			
2. Plant Watts	Address Bar Nuclear Plant		Unit U	nit 1				
P. O. Bo	x 2000, Spring City	TN 37381	WORKO	RDER# 04-8	32710	9-000		
3. Work Performe	3. Work Performed by TVA MODIFICATIONS				2,0, No.	. Job No., etc. N/A		
WATT	Authoriza	tion No N/A						
•	Address		Expiration	Date N/A			* *	
4. Identification of	system REACTO	OR COOLANT SYS	STEM 068	,			:	
	_	ASME SECT. III 19 71	_		a, N	/A Cod	e Case	
(b) Applicable E	dition of Section Xi	Utilized for Repairs or	Replacen	nents 1989			į	
6. Identification of	Components Repai	red or Replaced and F	Replaceme	nt Components	<u>,</u>		<u>:</u>	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yoar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1-PIPE-068-B	N/A	N/A .	N/A	N/A	N/A	REPAIRED	ИО	
	_							
								
7. Description of W	7. Description of Work Repaired pipe and weld 1-068A-T113-87 by metal removal to remove vise marks.							
8. Tests Conducted	i: Hydrostatic □	Pneumatic D Nomi	nal Operat	ing Pressure	•			
	Other Pressurepsi Test Temp °F							
11 in., (2)								

NIS-2 FORM SHEET 2 OF 2

FORMINIS-2 (Back)
9. Remarks CODE CASE N-416-2 TRACKING# RR-06-/03 2/22/2005
WORK ORDER# 04-827109-000
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair</u> conforms to the
repair or replacement rules of the ASME Code, Section XI.
:
Type Code Symbol Stamp N/A
Certificate of Authorization No. NA
Signed Kunff Curul CONST ENGR Date 3/10 20 05
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 Temessee and employed by HSB-CT
of <u>Hartford</u> CT. have inspected the components described in this
Owner's Report during the period
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 2534 National Board, State, Province, and Endorsements
Date <u>· 3/10 20 05</u>

	FORM NIS 2 OWN	ERS REPORT FOR by the Provisions of	REPAIRS the ASME	OR REPLACEM Code Section XI	ENT			
1. Öwner TENN	ESSEE VALLEY A	JTHORITY =	Date 2	13/28/05			A A A A A A A A A A A A A A A A A A A	
1101 Ma	rkel St., Chattanoog	a, TN 37402	Sheet _	/ of Z				
2. Plant Watts	Address Bar Nuclear Plant		'Unit Ur	iit 1	•			
P. O. Bo	x 2000, Spring City,	TN 37381	07-8151837-00					
3. Work Performe	3. Work Performed by WATTS BAR NUCLEAR PLANT			Repair Organization P Symbol Stamp	.0. No. N/A	Job No., elc.		
P.O. BOX 2000, SPRING CITY, TENN. 37381				ion No N/A				
•	Address -	-	Expiration	Date N/A			•	
4. Identification of		- Main Steam						
(b) Applicable E	5. (a) Applicable Construction Code Schor III 19 74 Edition, whe Addenda, whe 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		ASME Coda Stamped (Yes or No)	
1-650-1-53 (Draser- Consolidated	Bsair18	WA	·NIA	NA		Υ	
		• •						
1-550-1-531	Dressichted	B 500 245	NA	NA	70/14	repainmen	Υ -	
				1977	7	903/27	05	
		•	• • •			,		
	1		-		·			
		•						
7. Description of Work Replaced value with pre-tested value								
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. ×								
11 in (2) information in item	of lists, sketches, or is 1 through 6 on this of sheels is recorded	report is in	cinded ou sacii;	vided sheet,	ard (3) ead	ch sheet	

:

9. Remarks		PR-06	-106
	Value of wall	racionera trata Habour to se	05-81218-7-0
			00 0.6.0
			·
			<u>\$</u>
•	•		
•	CERTIFIC	ATE OF COMPLIA	ANCE .
We certify that the state rules of the ASME Cod		rt are correct and li	nis <u>reparement</u> conforms to the repair or replacement
Type Code Symbol Star	mp <u>N/A</u> -		•
Certificate of Authorizat	tion No. N/A		
signed. <u>Calle</u>	Maint 50 Owner or Owner's Designee	ecial	Date 3/2-7 · 20 0
•	CERTIFICATE	OF INSERVICE IN	SPECTION
I, the undersigned, hold Inspectors and the State	-	-	nal Board of Boiler and Pressure Vessel
of Har	Tford CT.	have inspected	the components described in this
Owner's Report during t	he period	5 to 3/28	and state that to the b
	elief, the Owner has p	omed examination	is and taken corrective measures descri
of my knowledge and be in this Owner's Report is	n accordance with the re	quirements of the A	ASME Code, Section XI.
of my knowledge and be in this Owner's Report in By signing this certificat	n accordance with the re te neither the inspector n	quirements of the A or his employer ma	SME Code, Section XI.
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina	n accordance with the re- te neither the inspector n ations and corrective mea	quirements of the A or his employer ma asures described in	SME Gode, Section XI. skes any warranty, expressed or implied, this Owner's Report. Furthermore, neit
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina	n accordance with the re- te neither the inspector n ations and corrective mea	quirements of the A or his employer ma asures described in	SME Code, Section XI.
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina	n accordance with the re- te neither the inspector nations and corrective mean alloyer shall be liable in a	quirements of the A or his employer ma asures described in any manner for any	SME Gode, Section XI. skes any warranty, expressed or implied, this Owner's Report. Furthermore, neit
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina the inspector nor his em loss of any kind arising	n accordance with the re- te neither the inspector n ations and corrective mea aployer shall be liable in a from or connected with t	quirements of the A for his employer ma asures described in any manner for any his inspection.	ASME Gode, Section XI. Askes any warranty, expressed or implied, this Owner's Report. Furthermore, neit or personal injury or property damage or a
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina the inspector nor his em loss of any kind arising	n accordance with the re- te neither the inspector n ations and corrective mea aployer shall be liable in a from or connected with t	quirements of the A for his employer ma asures described in any manner for any his inspection.	ASME Gode, Section XI. Askes any warranty, expressed or implied, this Owner's Report. Furthermore, neit or personal injury or property damage or a
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina the inspector nor his em loss of any kind arising	n accordance with the re- te neither the inspector n ations and corrective mea aployer shall be liable in a from or connected with t	quirements of the A for his employer ma asures described in any manner for any his inspection.	ASME Gode, Section XI. Askes any warranty, expressed or implied, this Owner's Report. Furthermore, neit or personal injury or property damage or a
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina the inspector nor his emploss of any kind arising the Bruce March 10 and 10 an	n accordance with the re- te neither the inspector n ations and corrective mea apployer shall be liable in a from or connected with the	quirements of the A for his employer ma asures described in any manner for any his inspection.	SME Gode, Section XI. skes any warranty, expressed or implied, this Owner's Report. Furthermore, neit
of my knowledge and be in this Owner's Report in By signing this certificat concerning the examina the inspector nor his em loss of any kind arising	n accordance with the re- te neither the inspector n ations and corrective mea apployer shall be liable in a from or connected with the	quirements of the A for his employer ma asures described in any manner for any his inspection.	ASME Gode, Section XI. Askes any warranty, expressed or implied, this Owner's Report. Furthermore, neit or personal injury or property damage or a

	FORMINIS-ZIOWI AS Require	VERSIREPORTIFOR Joyaho Provisions of	REPAIRS ine ASME	OR REPLACEN Code Section X	IENT I			
1. Öwner TENN	IESSEE VALLEY AI	UTHORITY	Date	2/20/05		•		
1101 Ma	irket St., Chattanoog	7a, TN 37402		/ of 2				
2. Plant Watts	Address Bar Nuclear Plant			nit 1	•			
P. O. Bo	Name × 2000, Spring City,	TN 37381	05-	0- 281518	 ბ			
3. Work Performe	d by WATTS BAR N	JCLEAR PLANT	. 5	Repair Organization F Symbol Stamp	O No	Job No., etc.		
P.O. BOX 2000, S	PRING CITY, TEN	Name V. 37381	Authorizat	ion No N/A				
Address -			Expiration	Date N/A				
4. Identification of		· Main Steam						
5. (a) Applicable (b) Applicable 8	Construction Code Edition of Section XI	Schon III 19 74 Utilized for Repairs of	Edition, L	Nants . 1989	a. <u>v</u>	Coc	le Case	
6. Identification of	Components Repair	red or Replaced and	Replaceme	ent Components	•			
	-		National		Year*	Repaired, Replaced, or	ASME Code Stamped Yes or	
Name of Component	Name of Manufacturer Dresser -	Manufacturer Serial No.	Board No.	Other Identification	,	Reclacement	No)	
	Consoliadec	g2द्धारझ् र	Mb	·NIA	MA	Lebiaces	4	
-					ļ			
\-5 ^{CU-} \ -5 ^E R	Consolidated	BSU-251	AU	NIH	2005	רפאסנאנא	Y	
	•	13506233	•					
		•					-	
	· ·	•	•					
		·					•	
7. Description of V	7. Description of Work Replace existing SFV with New One.							
8. Tests Conducted: Hydrostatic © Pneumatic © Nominal Operating Pressure Colher © Pressure psi Test Temp *F								
i 11 in <i>(2</i>	in X a si a							

٤

	FORM NIS 2 (Back)
9. Remarks	Apprenda Manufacturers Units responding to Austria OS 1817 1.8 (a -cor.)
	05-812186 -00
	•
	·
•	CERTIFICATE OF COMPLIANCE
rules of the ASME Code,	·•
	N/A ·
Certificate of Authorization	
Signed Yasm	Owner's Designee, Title Date 03/18 20 05
	CERTIFICATE OF INSERVICE INSPECTION
Inspectors and the State of HAYTE. Owner's Report during the of my knowledge and belief in this Owner's Report in a By signing this certificate is concerning the examination the inspector nor his employed.	a valid commission issued by the National Board of Boiler and Pressure Vessel or Province of Tenersee and employed by HSB-CT have inspected the components described in this period 2/26/65 to 3/28/65 and state that to the best ef, the Owner has performed examinations and taken corrective measures described accordance with the requirements of the ASME Code, Section XI. neither the inspector nor his employer makes any warranty, expressed or implied, one and corrective measures described in this Owner's Report. Furthermore, neither loyer shall be liable in any manner for any personal injury or properly damage or a own or connected with this inspection.
Bruce M. of Inspector's Signal Date 3/28	Commissions TN 2534 National Board, State, Province, and Endorsements 20 05

		ERS REPORTIFOR						
1. Owner TEN	NESSEE VALLEY AL	THORITY	Date	03/28/05				
1101	Market St., Chattanoog	a, TN 37402	Sheet	of Z				
2. Plant Wa	Address its Bar Nuclear Plant		Unit Un	ilt 1	•			
P. O. I	Name Box 2000, Spring City,	TN 37381	05-	812185 -00	 }			
3. Work Perforn	ned by WATTS BAR NO	JCLEAR PLANT	Type Code	lepair Organization P. Symbol Stamp	.cn.o.	Job Na., etc.		
}		lame		ion No N/A				
	Address	•	Expiration	Date N/A				
4. Identification	of system	· Main Steam						
(b) Applicable	5. (a) Applicable Construction Code Salor III 19 74 Edition, whe Addenda, whe 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 Compone	rk Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Resignment	ASME Code Stamped (Yes or No)	
1-250-1-BSU	Dieser-	B50423;	WA	-W/A-	1277	redaced	4	
		: .		:				
1-550-1-524	Dreser - Consolidated	BS Curry	44	N)17	7>>	repacino	Υ	
		B Sarsol						
1 8 DIR Inles St	ng Noin Nach	NA	NK	HT# 51181	3004	replacement	N-	
13/8 DIA NUTS		Ų.	NA	Hr# Y12439	190	replacement	N	
				<u>.</u>				
								
7. Description of Work Replace value with pre-tested value + Installed New Studis/nuts 8. Tests Conducted: Hydrostatic O Pneumatic O Nominal Operating Pressure								
NOTE: Suppl	8. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure Other [] Pressure							
is num	nbered and the numbe	r of sheets is recorde	d at the top	of this form.				

٤

9. Remarks		PR	-00-108
•	Appinadis Manusclurers Date		05-812185 -c
	······································	**************************************	
			
			
- 	-	•	
·	· ·		<u> </u>
	CERTIFICATE OF	COMPLIANCE	
We certify that the statemen	s made in the report are com	ect and this repic	cement conforms to th
rules of the ASMÉ Code, S	ction XI	repair or r	eplacement
	4d01174.	•	
Type Code Symbol Stamp	N/A		
Certificate of Authorization I	o. N/A		
Je3/2/10) 1 20		cialist Date	3/27 20 6
Signed TY A IAC FL	mer or Owner's Designee, Title	CIRVINI Date	<u> </u>
	CERTIFICATE OF INSER	RVICE INSPECTION	
1 the undersioned, holding a	valid commission issued by t	he National Board of I	Boiler and Pressure Vessel
	rovince of <u>Tennessee</u> a		_
	d CT- have i		
	riod 2/26/05 1		
of my knowledge and belief,	the Owner has performed ex	aminations and taken	corrective measures descri
in this Owner's Report in acc	ordance with the requirement	s of the ASME Code,	Section XI.
• • •	ther the inspector nor his emp		
•	and corrective measures des		
	r shall be liable in any mann		ury or property damage or a
loss of any kind arising from	or connected with this inspec	tion.	
15 rue M. E	Commissions N	TN2534	Devises and Fedomemen
Inspector's Signatur		iational board, State, I	Province, and Enduisemen
Date	20_05		

	FORM:NIS-ZIOWN	ERS REPORTIFOR by the Provisions of	REPAIRS	OR REPLACEM Ode Section XI	NTS		
1. Öwner TENNE	SSEË VALLEY AU	THORITY	Date	2/26/05			
1101 Mad	ket St., Chattanoog	a, TN 37402		<u>of 2</u>			
2. Plant Watts 8	Address Bar Nuclear Plant		Unit Un	it 1			
P. O. Box	2000, Spring City,	TN 37381	محدا	s-812184-	ဝပ		
3. Work Performed by WATTS BAR NUCLEAR PLANT			Type Code	epair Organization P. Symbol Stamp	N/A	Job No., elc.	
P.O. BOX 2000, SPRING CITY, TENN. 37381			Authorizali	on No N/A			
	Address		Expiration	Date N/A			<u>. </u>
4. Identification of system OOI. Main Steam							
5. (a) Applicable Construction Code 111 19 74 Edition, with Addenda, MA 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	•	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Reclacement	ASME Code Stamped (Yes or No)
1-500-1-523	Braser	B501239	P.U	NIA	77	८ ६५०८६	Ï
		: .					
1-550-1-523	Dresser	BSdezhI	NA	NIA	7	Replacmat	4
	·		·		·		
			+				
		<u> </u>		1.001.1	ıh.	العالم	
7. Description of V	Nork Keplac	ed varlue is	141- PH	trestea	Va.	-	
Ì	7. Description of Work Replaced Value with pre-trested value 8. Tests Conducted: Hydrostatic Pressure Pre						
		n of lists, sketches, o ns 1 through 6 on thi er of sheets is record			vided sheet	(1) size is , and (3) ea	81/2 in. X ch sheet

:

Appendix V Page 59 of 76

FORM NS-2 (Back)
9. Remarks . F.C06-109 Applicable Hamiltonia's Usis Reports to Sea Attachen 13- 05- 812-1011-1
Applicable Manufacturer's Data Reports to be Alternet Wo - 05 - 812 184
<u> </u>
· · · · · · · · · · · · · · · · · · ·
-
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>rediction to the repair or replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
·Certificate of Authorization No. N/A
Signed Galli Maint Specialist Date 3/27 20 05. 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 <u>Termessee</u> and employed by <u>HSB-CT</u> of <u>HATFord CT.</u> have inspected the components described in this
Owner's Report during the period 2/26/05 to 3/28/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Brue M. Earnigh Commissions TN2534 Inspectors Signature National Board, State, Province, and Endorsements
Inspector's Signature V National Board, State, Province, and Endorsements
Date3/2.8 20_0.5
· - · · · · · · · · · · · · · · · · · ·

44.	FORM NIS-2 OW * 7 As Require	NER'S REPORT FOR d byshe Provisions of	TREPAIRS	OF REPLACE! Gode Section:X	MEN I	TS • IE I	
1. Owner TENN	IESSEE VALLEY A	UTHORITY	Date	3-3-	5		
1101 Ma	Name arket St., Chattanoo	ga , TN 37402	Sheet	of			
2. Plant Watts	Address Bar Nuclear Plant		Unit U	 Init 1			
P. O. Bo	x 2000, Spring City	, TN, 97381	Work On	ier 03-005228-0	01		
3. Work Performed by TVA Modifications				Repair Organization I le Symbol Stam			
Watts Bar Nuclear Plant :			Authoriza	tion No N/A	_		
	•	Expiration	Date N/A				
4. Identification of system 068 Reactor Coolant							
(b) Applicable E	•	ASME III 19 71 Utilized for Repairs of red or Replaced and F	,	nents 1989	a, <u> </u>	VA Coo	de Case
Name of Component	Name of Menufecturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeer Built		ASME Code Stamped (Yes or No)
1-RTV-68-445A	Flowserve	13AYE	N/A	Model # 1878#	2004	Repaired	Yes
7. Description of W	ork Add weld met	al to existing vendor v					
3. Tests Conducted	•	neumatic Nominal ure psi	Operating Test Ter	Pressure X L	72 / 10 0 F	-112±-68-6 4-815778	5000
11 in., (2)	information in items	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded	eport is inc	luded on each sl	ided neet,	(1) size is 8 and (3) eac	½ in. x h sheet

NIS-2 FORM SHEET 2 OF 2

「「「「「「「「」」」 「「「「FORM NIS-2 (Back)」 「「「「「」」 「「「」」 「「「」」 「「「」」 「「」」 「「」」
9. Remarks Code Case N-416-2 Tracking No. RR 06-11
Work Order 03-005228-001
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair</u> conforms to the
repair or replacement rules of the ASME Code, Section XI.
To a Code Combal Character AVA
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A.
Signed Limit Could CONST. ENGR Date 3/6 20 05
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 Texassee and employed by HSE-cT
of <u>Antiford</u> CT. have inspected the components described in this Owner's Report during the period 3/3/05 to 3/6/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
In this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Bour M. Emich Commissions TN 2 534
Inspector's Signature Commissions TN3534 National Board, State, Province, and Endorsements
Date 3/6 20 05
a

4	EFORM NIS-2 OW As Require	NER'S REPORT FOR d by the Provisions of	REPAIRS the ASME	OR REPLACE! Code Section X	MENT I	S		
1. Owner TENN	NESSEE VALLEY A	UTHORITY	Date 0	3-17-2005				
1101 Ma	Namo Irket St., Chattano	oga, TN 37402	Sheet/ of Z					
2. Plant Watts	Address Bar Nuclear Plan	t		nit 1				
P. O. Bo	ly, TN 37381	W/O_03-	012465-000					
3. Work Performed by MECHANICAL MAINTENANCE			Type Cod	Repair Organization (le Symbol Stam)	P.O. No P.N/A	Job No., etc.		
P.O. BOX 2000 SPRING CITY,TN 37381			Authorization No N/A					
Address			Expiration	Date N/A				
4. Identification of	system 062 -C.	V.C.S.						
* * * * *		SECTION III 19 74			a,	Co	de Case	
(b) Applicable E	dition of Section X	Utilized for Repairs o	r Replacen	nents 1989				
6. Identification of	Components Repair	ired or Replaced and I	Replaceme	nt Components				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (Yes or No)	
WELD NO. 1-062B-T334-1A	N/A	NA	N/A	WELD	205	REPAIR ED	Ÿ	
			L					
Z Description of M	lock DEDAIDED4/	DINCH BIRE TO MAI	VE WELD			l		
. Description of w	TOIK REPAIRED!	2 INCH PIPE TO VAI	LVE WELD	'	Dec	I-TOT	-1.8-6	
3. Tests Conducted	I: Hydrostatic Process	neumatic Nominal urepsi	Operating Test Ter	Pressure X	04	1-TRF 4-81577	8-000	
11 in., (2)	information in items	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded	eport is incl	uded on each sl				

FORM NIS 2 (Back)
9. Remarks TRACKING NO. RR-06-115 CODE CASE N-416-2
WO 03-012465-000
CERTIFICATE OF COMPLIANCE .
We certify that the statements made in the report are correct and this repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Ochling Moint Specialist Date 3/2/ 20 05
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel
Inspectors and the State or Province of <u>Temessee</u> and employed by <u>HSB-CT</u>
of <u>HarTfard cT.</u> have inspected the components described in this
Owner's Report during the period $3/17/55$ to $3/24/55$ 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.
ioss of any killa arising north of confedica mar and mopeonors.
Bruce M. Earnigh Commissions TN 2534
Inspector's Signature Commissions 71/2534 National Board, State, Province, and Endorsements
Date 3/24 20 05

		NEA'S REPORT FOR						S I.	
		d by the Provisions of	230.0002.00044.0	1144900000	**************************************	*****			
1. Owner TEN	NESSEE VALLEY A	UTHORITY	Date		3/2	2/05			
1101 Ma	arket St., Chattanoo	ga, TN 37402	Sheet	_1_	of				
2. Plant Watte	Bar Nuclear Plant	<u> </u>	Unit	Unit	1				<u>.</u>
P. O. Bo	x 2000, Spring City	, TN, 37381	Work Order 03-021495-000						
Work Performed by TVA Modifications			Recair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A						
Watts Bar Nuclear Plant			Authori	zation	1 ON r	V A			
	Address		Expiration Date N/A					-	
4. Identification of	system 03 Feed	water							
5. (a) Applicable (Construction Code	AISC 7th	Edition,	,	Α	ddend	a, N	VA Cod	le Case
(b) Applicable E	Edition of Section XI	Utilized for Repairs of	Replac	emen	its	1989			,
6. Identification of	Components Repai	ired or Replaced and F	Replacen	nent C	Compo	nents			
Name of Component	Name of Manufacturer	Manutacturer Serial No.	Nationa Board N	-	ther Iden	ification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support 1-1003-A428-3	TVA	2/4	م/ ۵		N/A			Replaced	NO
				$\overline{}$			_		
	1	,		f					
				+		 .	_		
	-			-			_		
	-								
	-								
	-								
	-								
	-								
7. Description of W	/ork Reinstall pipe	support 1-1003-A428	-3 by we	lding.					
7. Description of W	d: Hydrostatic P	e support 1-1003-A428 neumatic Nominal sure N/A	Operati	ng Pro	essure		op		

NIS-2 FORM SHEET 2 OF 2

;.

FORMAIS-2 (Back) is	
9. Remarks N/A Tracking No. R Approache Manufacturer's Data Heparts to be Allache	-06-116
Work Order 03-021495-000	
•	
CERTIFICATE OF COMPLIANCE	••
We certify that the statements made in the report are correct and this _re	
rules of the ASME Code, Section XI.	air or replacement
Town Oads Combal Starra N/A	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	March 22.
Signed Mode Field Engr. D Owner or Owner's Designee, Title	Place 2 20 05
CERTIFICATE OF INSERVICE INSPEC	TION
I, the undersigned, holding a valid commission Issued by the National Bo	ard of Boiler and Pressure Vessel
Inspectors and the State or Province of Teurissic and employed by	
of <u>HART Ford</u> CT. have inspected the co	
Owner's Report during the period	and state that to the best
of my knowledge and belief, the Owner has performed examinations and	
In this Owner's Report in accordance with the requirements of the ASME	
By signing this certificate neither the inspector nor his employer makes ar	
concerning the examinations and corrective measures described in this O	•
the inspector nor his employer shall be liable in any manner for any perso	nal injury or property damage or a
loss of any kind arising from or connected with this inspection.	
Bour M. Emisto Commissions Tu 2 534	
Inspector's Signature National Board, S	State, Province, and Endorsements
Brue M. Earnigh Commissions TN2534 Inspector's Signature National Board, S Date 3/22 20 05	

		NER'S REPORT FOR I by the Provisions of						
1. Owner TENN	ESSEE VALLEY A	UTHORITY	Date (3-17-2005				
1101 Ma	rket St., Chattano	oga, TN 37402	Sheet	/ of 2				
2. Plant Watts	Address Bar Nuclear Plant			Jnit 1				
P. O. Box 2000, Spring City, TN 37381			W/O 04-810991-000					
3. Work Performed by MECHANICAL MAINTENANCE			Type Co	Repair Organization F de Symbol Stamp				
P.O. BOX 2000 S	PRING CITY,TN 37	Name 381	Authoriza	ation No N/A				
	Address		Expiratio	n Date N/A				
4. Identification of system 068-STEAM GENERATOR								
1 '''	_	SECTION III 19 71 Utilized for Repairs of			a, NB	34643 Cod	de Case	
6. Identification of	Components Repai	red or Replaced and F	Replaceme	ent Components				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification		Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)	
1-SGEN-68-SG4	Westinghouse	1594	W10289	N/A	75	replaced	Y	
			[
				 				
				 				
				 				
			L					
7. Description of V	Vork SLEEVING T	UBES						
B. Tests Conducted	Other X Pres	sureps	Test T		•F	(1) eiza ic 2	% io ×	
11 in (2)	information in item	of lists, sketches, or d is 1 through 6 on this r of sheets is recorded	eport is in	cluded on each s	heet,	and (3) eac	h sheet	

FORM NIS-2 (Back) 9. Remarks TRACKING NO. RR = 06 - 1/7 CODE CASE N-416-2 WO 04-8/099/-000
9. Remarks TRACKING NO. KR - 06 - 1/7 CODE CASE N-416-2 WO 04-8/099/-000
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the
repair or replacement rules of the ASME Code, Section XI.
Tules of the Asimic Code, Section At.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed 78 000 SG Constitution Date 3/23/0-5 20
CERTIFICATE OF INSERVICE INSPECTION
1 Aboundant and heldler availed approximate factored by the Nestern I Double & Datter and Decours Money
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by #58-c7
of have inspected the components described in this
Owner's Report during the period 3/17/05 to 3/23/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
In this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Bour M E wiels somewing TU253V
Bruce M, Earnighs Commissions TN 2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/23 20 0 5
Date 3/~ 20 <u>C</u>

	FORM NIS-2 OW TAS Require	NER'S REPORT FOR Thy the Provisions of	REPAIRS the ASME	OF REPLACE! Gode Section X	ENT			
1. Owner TENN	iessee valley a	UTHORITY	Date 0	3-17-2005				
1101 Ma	Name rket St., Chattano	oga, TN 37402	Sheet / of 2					
2. Plant Watts	Address Bar Nuclear Plant	<u> </u>	Unit Unit 1					
P. O. Bo	Name ox 2000, Spring Cit	y, TN 37381	W/O 04-810991-000-04-810989-000					
3. Work Performed by MECHANICAL MAINTENANCE			Type Cod	Recair Organization F le Symbol Stamp	2.O. No.	_Job No., etc.		
P.O. BOX 2000 SPRING CITY,TN 37381		Authorization No N/A						
Address			Date NA					
4. Identification of system 068- STEAM GENERATOR								
5. (a) Applicable Construction Code SECTION III 19 71 Edition, S71 Addenda, NB4643 Code Case								
(b) Applicable E	dition of Section XI	Utilized for Repairs of	Replacen	nents 1989				
6. Identification of	Components Repai	red or Replaced and F	Replaceme	nt Components	-			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)	
1-SGEN-68-SG2	Westinghouse	1592	W10287	N/A	75	replaced	Y	
				 				
							}	
7. Description of W	ork SLEEVING TI	JBES						
8. Tests Conducted	Other X Pres EDDY CURF	sure <u>fruks</u> psi RENT TESTES		emp	F	1) ciro ic 01	y in y	
11 in., (2)	information in item	of lists, skétches, or d s 1 through 6 on this re of sheets is recorded :	eport is inc	luded on each sl				

FORM NIS-2 (Back)
9. Remarks TRACKING NO. RR-06- 1/8 CODE CASE N-416-2 WO 04-8/0987-000 Applicable Manufacturer Education to the Accepted
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement nules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Williams SG Coordinator Date 7-23-05 20
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 Texassee and employed by HSB-ET
of Hart ford CT. have inspected the components described in this
Owner's Report during the period 3/17/55 to 3/23/55 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 2534 National Board, State, Province, and Endorsements
Date 3/23 · · 20 05

		NER'S REPORTEDA				S I U S			
		d by the Provisions of	UNE ASME	Code Section X		7			
1. Owner TENN	VESSEE VALLEY A	UTHORITY	Date (03-17-2005					
1101 Market St., Chattanooga, TN 37402				of					
2. Plant Watts	Address Bar Nuclear Plan	t	Unit 1						
P. O. Bo	ox 2000, Spring Cit	y, TN 37381	W/O 04-810988-000						
3. Work Performs	Address d by MECHANICA	L MAINTENANCE	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A						
P.O. BOX 2000 S	PRING CITY, TN 37	Name 7381	Authoriza	ation No N/A					
	Address		Expiratio	n Date N/A			 _		
4. Identification of	system 068-ST	EAM GENERATOR							
5. (a) Applicable Construction Code SECTION III 19 71 Edition, S71 Addenda, NB4643 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 Replacemen	ASME Code Stamped (Yes or No)		
1-SGEN-68-SG1	Westinghouse	1591	MIOSAP	N/A	75	replaced	Y		
				 					
	<u></u>		 	 					
				ļ	<u> </u>				
				<u> </u>					
				 -					
7. Description of W	Vork SLEEVING TO	UBES							
8. Tests Conducted	Other X Pres		Operating Test Te	Pressure emp	۲F				
11 ln., (2)	ental sheets in form Information in item	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded:	eport is ind	luded on each sl					

「FORM NIS-2 (Back)」 「
9. Remarks TRACKING NO. KK-06-1/9 CODE CASE N-416-2 i/O 04-8/0988-000
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed SG Coordin Wher Date 3-23-05 20
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 Texas and employed by HSB-CT
of HarTford CT. have inspected the components described in this Owner's Report during the period 3/17/05 to 3/23/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions TN2534 National Board, State, Province, and Endorsements
Date 3/23 20.05

A Re	FORM NIS 2 OW! guired by the Provi	NER'S REPORT FOR	REPAIRS	OF REPLACES	MENTS			
1. Owner TENN	ESSEE VALLEY A	Date 0	3/25/2005					
1101 Ma	rket St., Chattanoo	ga, TN 37402	Sheet	/ of 2				
2. Plant Watts	Address Bar Nuclear Plant		Unit U	nit 1				
P. O. Bo	Name x 2000, Spring City,	TN 37381	WO 04-82	24914-000				
3. Work Performe	Address d by Mechanical Ma	aintenance	Type Cod	Recair Organization P e Symbol Stamp	.O. No., N/A	Job No., etc.		
PO Box 2000 Spri	ng City, TN 37381	Vame.	Authorization No N/A					
	Address		Expiration	Date N/A				
4. Identification of	system 079, Fuel	Transfer Tube		•				
(b) Applicable E	dition of Section XI	ASME Sec III 19 71 Utilized for Repairs of fred or Replaced and	or Replacer	nents 1989	ı, <u>n∕a</u> —	Cod	de Case I	
Name of Component Fuel Transfer Tube X-003	Namo of Manufacturer PENN 5747E 7006 & DIE	Manufacturer Sorial No. 90 90/1-/	National Board No.	Other Identification AT ZZ IP 6 B /	Year Built	Repaired, Replaced, or Replacement replacement	ASME Code Stamped (Yes or No)	
<u> </u>			 					
			ļ					
			<u></u>					
	_							
						•		
7. Description of W	/ork Replace exist	ing blind flange with r	new blind fl	ange.				
8. Tests Conducted		neumatic-x Nom		ing Pressure emp		LRT Tested -SI-0-702	l per	
11 in., (2)	information in item	of lists, sketches, or as 1 through 6 on this of sheets is recorded	report is in	cluded on each s	vided (sheet,	(1) size is 8 and (3) ead	1½ in. x ch sheet	

FORM MS-2 (Back)
9. Remarks <u>Tracking Number RR-06-120</u> WO 04-824914-000
Applicable Marufacturers Data Reports to be Attached
<u></u>
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the
repair or replacement rules of the ASME Code, Section XI.
Tulos of the nome odde, occilorixi.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Jun & Carry ISI ENGINEER Date 03/25 20 05
Owner of 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 Texnessee and employed by HSB-CT
ofhave inspected the components described in this
Owner's Report during the period <u>PER. 79387</u> to <u>3/25/05</u> 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.
Brun M. Earnigh Commissions TN2534
Inspector's Signature Commissions TN2534 National Board, State, Province, and Endorsements
Date 3/25 20 5 5

	1. Owner TENN	IESSEE VALLEY A	UTHORITY	Date	7/30/03				
	1101 Ma	Name Irket St., Chattano	oga, TN 37402	Sheet / of 2 Unit Unit 1 W/O 03-011091-000 Recair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A					
	2. Plant Watts	Address Bar Nuclear Plant							
	P. O. Bo	Name ox 2000, Spring Cit	y, TN 37381						
	3. Work Performe	d by MECHANICAL	MAINTENANCE						
Į	P.O. BOX 2000 S	PRING CITY, TN 37	Name '381	Authoriza	tion No N/A				
ĺ		Address		Expiration	Date N/A				
Ì	4. Identification of	system SYSTEM	001 MAINSTEA	AM					
	(b) Applicable E	Edition of Section Xi	Sect.III CL 2 19 74 Utilized for Repairs o	r Replaceπ	nents 1989	_		de Case	
-	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification		Repaired, Replaced, or Replacemen	No)	
l	1-DRV-001-0535	YARWAY VALVE	S/N 8782	NONE	GLOBE VALVE	1977	REPLACED	YES	
ţ	T-DRV-001-0534_	YARWAY VALVE	S/N 8760	NONE	GLOBE	1977	REPLACED	YES	
ŀ	1-DRV-601-053	4 Yanuay Valve	BL99-A5	NIA	NA	300	replace- ment	Yes	
F	Value Trim								
L								·	
_									
_									
7	. Description of W	Tork Replace	. Value trim						
	3. Tests Conducted	l; Hydrostatic P	neumatic Nominal	Operating	Pressure 🗗	=			
N	11 in., (2)	information in item:	of lists, sketches, or d s 1 through 6 on this re of sheets is recorded	eport is incl	luded on each st				

FORM NIS-2 (Back)
9. Remarks TRACKING NO. RR-05-076- CODE CASE N-416-1 WO 03-01/09/-000
Applicable Manufacturer's Data Reports to 88 Attached RR -06 - 12 1
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this will come of the repair or replacement rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A
Signed Ochlie Maint Specialist Date 3/29 20 05
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 Texassez and employed by HSB-CT
of HarTford CT. have inspected the components described in this Owner's Report during the period 7/31/03 to 3/29/05 and state that to the best
of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Brue M Earnis Commissions TN 2534 Inspector's Signature National Board, State, Province, and Endorsements
Date 3/29 20.05