

Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000 June 20, 2006

10 CFR 50.55a

U.S. Nuclear Regulatory Commission

ATTN: Document Control Desk

Mail Stop: OWFN P1-35

Washington, D.C. 20555-0001

Gentlemen:

In the Matter of) Docket No. 50-260 Tennessee Valley Authority) 50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 3 - AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI, INSERVICE INSPECTION, SYSTEM PRESSURE TEST, CONTAINMENT INSPECTION (IWE), AND REPAIR AND REPLACEMENT PROGRAMS - SUMMARY REPORTS (NIS-1 AND NIS-2) FOR CYCLE 12 OPERATION, SEVEN REACTOR PRESSURE VESSEL NOZZLE EXAMINATIONS DEFERRED FROM UNIT 3 CYCLE 11 OPERATION (NIS-1 REPORT), AND SUPPLEMENTAL NIS-2 REPORT FROM UNIT 2 CYCLE 13 OPERATION

In accordance with paragraphs IWA-6220, IWA-6230, and IWA-6240 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition through the 2003 addenda, TVA is submitting BFN Unit 3 outage summary reports for NRC review. The summary reports are for inservice inspection, system pressure test, and containment inspection (NIS-1 Report), and repair and replacement activities (NIS-2 Report) for Unit 3 Cycle 12 operation.

TVA has determined that certain BFN Unit 3 components had nondestructive examination (NDE) coverage limitations (less than 90 percent coverage completed) which exceed that specified in NRC Information Notice 98-42, "Implementation of 10 CFR 50.55a(g) Inservice Inspection Requirements."

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Specifically, one Reactor Recirculation System piping weld, and nine reactor pressure vessel (RPV) nozzles received ultrasonic examination coverage of less than essentially 100 percent (i.e., less than 90 percent). Also, seven RPV nozzle inner radii received enhanced remote visual examination (capable of a 1-mil wire resolution) coverage less than essentially 100 percent (i.e., less than 90 percent). These examination limitations will be addressed by TVA in requests for relief and submitted to NRC for staff review and approval at a later date.

Additionally, TVA deferred UT examinations for seven Unit 3 RPV nozzles from the ASME Section XI, Second Ten-Year Inspection interval, third period (Cycle 11) to the Cycle 12 outage. As a result of these examinations, TVA determined that each of the seven RPV nozzle examinations received examination coverage less than essentially 100 percent (see Enclosure 1, Attachment 3). These examination limitations will be addressed by TVA in a request for relief and submitted to NRC for staff review and approval at a later date.

Enclosure 1 of this letter contains the BFN Unit 3 Inservice Inspection, System Pressure Test, and Containment Inspection Summary Report (NIS-1) for Code Class 1 and 2 pressure retaining components and their supports. Enclosure 2 contains the Repair and Replacement Summary Report (NIS-2) for Code Class 1 and 2 components and supports. Enclosure 2 also contains two supplemental NIS-2 reports from Unit 2 Cycle 13 operation.

There are no new regulatory commitments in this letter. If you have any questions regarding these reports, please contact me at (256) 729-2636.

Sincerely,

William D. Crouch

Manager of Licensing and Industry Affairs

Will D. Crouch

Enclosures

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 3

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), SECTION XI, THIRD TEN-YEAR INSPECTION INTERVAL

INSERVICE INSPECTION (ISI), SYSTEM PRESSURE TEST, CONTAINMENT INSPECTION, AND AUGMENTED EXAMINATIONS PROGRAM

SUMMARY REPORT (NIS-1) FOR CYCLE 12 OPERATION

(SEE ATTACHED)

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 CYCLE 12

NIS-1

"OWNER'S REPORT FOR INSERVICE INSPECTION"

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SUMMARY OF INDICATIONS

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

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ATTACHMENT 1 AUGMENTED EXAMINATION SUMMARY

SECTION 1: AUGMENTED SUMMARY

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APPENDIX I

NIS-1 OWNER'S REPORT

FORM NIS-1 OWNERS' REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1.	Owner	<u>Tennessee</u>	Valley Authority,	1101 Market St.	<u>Chattanooga,</u>	<u>TN. 3740</u>	<u> 2</u>
			(Name and	d Address of Own	ner)		

2. Plant Browns Ferry Nuclear Plant, P.O. Box 2000 Decatur, AL. 35609-2000 (Name and Address of Plant)

3. Plant Unit3	4. C	wner Certificate of	Authorization N	lot Required
5. Commercial Servi	ce Date 03/01/77	6. National Box	ard Number for Ur	nit Not Required
7. Components Inspe	ected:			
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Pressure Vessel Various systems	General Electric	Contract No. 67C21-91750	<u>N/A</u>	<u>N/A</u>
and components. (See Appendix V)	TVA	N/A	<u>N/A</u>	N/A
The NIS-1 Owners R				
includes Appendices l	I, II, III, IV, V, and V	VI		
				
				
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8.5 in. X 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)
8. Examination Dates <u>12/06/2005</u> to <u>03/22/2006</u>
9. Inspection Period Identification: First Period, 11/19/2005 to 11/18/2008
10. Inspection Interval Identification: <u>11/19/2005</u> to <u>11/18/2015</u>
11. Applicable Edition of Section XI 2001 Edition through 2003 Addenda as amended by 10 CFR50.55a, "Mandatory Limitations and Modifications"
 12. Date/Revision of Inspection Plan: 3-SI-4.6.G Revision, 021 (11/18/05), 022 (01/09/06), and 023 (03/01/06) 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 II, III, IV, V, VI.
14. Abstract of Results of Examinations and Tests.
See Appendix II, III, IV, V, VI.
15. Abstract of Corrective Measures. See Appendix VI
We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.
Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
Date June 7, 2006 Signed Tennessee Valley Authority By Living Owner
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 <u>Hartford, CT.</u> have inspected the components described in this Owners' Report during the period <u>12/06/2005</u> to <u>03/22/2006</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations tests, and corrective measures described in this Owners' Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal finiting or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions TN 4011

National Board, State, Province and No.

Date June 7,2006

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

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CHATTANOOGA, TENNESSEE 37402

UNIT:

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APPENDIX II

SCOPE
AND
INTRODUCTION

OFFICE OF NUCLEAR POWER

1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402 PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

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Scope:

The scope of this appendix is to provide an overview of the Inservice inspections performed during the Unit 3/Cycle 12 Outage on Class 1 and 2 components for ASME Section XI Code credit and other augmented examinations.

Introduction:

The examinations were performed in accordance with implementing plant surveillance instruction 3-SI-4.6.G "Inservice Inspection and Risk Informed Inservice Inspection Program Unit 3".

3-SI-4.6.G is organized to comply with the ISI NDE requirements of the 2001 Edition, through 2003 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Division 1, as amended by 10 CFR 50.55a, "Mandatory Limitations and Modifications," Articles IWX-1000, IWX-2000, IWX-3000, and IWX-6000 in accordance with Title 10 Code of Federal Regulations (CFR) Part 50, 50.55a (g); to implement the Browns Ferry Nuclear Plant (BFN) Technical Requirements TR-3.4.3; and to fulfill the requirements of SPP-9.1, ASME Section XI Inservice Inspection Program.

Beginning in the Second Period of the Second Inspection Interval, Surveillance Instruction 3-SI-4.6.G implemented the NRC approved BFN Risk-Informed Inservice Inspection Program to address all piping locations that are subject to service induced degradation. In accordance with, "Westinghouse Owners Group (WOG) Application Of Risk-Informed Methods To Piping Inservice Inspection Topical Report, WCAP-14572 revision 1-NP-A, Section 4, Table 4.1-1,"this program provides an acceptable alternative approach to the existing ASME Section XI requirements for scope and frequency of piping weld examinations, and satisfies the criteria of 10CFR50.55a(a)(3)(i) providing an acceptable level of quality and safety.

The ASME Section XI Code of record for the BFN Unit 3 third ten-year inservice inspection interval is the 2001 Edition, through 2003 Addenda, as amended by 10 CFR 50.55a, "Mandatory Limitations and Modifications." Subarticle IWA-2430(d)(1) of the Code describes the inservice inspection interval inspection schedule and provides options for extending or decreasing the inspection interval for up to one year.

3-SI-4.6.G reflects the built-in limitations of the original plant design, geometry, construction, component materials and the current technology or state-of-the-art nondestructive examination techniques. The SI specifies the methods to be used and provides schedule tables from which specific items were scheduled for examination during the outage. Examinations were witnessed or verified by an Authorized Nuclear Inservice Inspector (ANII) and performed in accordance with the Section XI of the ASME Boiler and Pressure Vessel Code.

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

The majority of examinations were performed by the TVA Inspection Services Organization (ISO). Augmentation of personnel was provided by Wesdyne, Inc., and AREVA/Framatome.

An overview of ISI activities consists of the following:

- . ASME Section XI Class 1 and 2 Piping Examinations
- . ASME Section XI Class 1 Reactor Pressure Vessel Weld Examinations
- . ASME Section XI Class 1 and 2 Support Examinations
- . Reactor Pressure Vessel In-Vessel Visual Inspection (RPVII)
- . Augmented Examinations

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APPENDIX III

ISI ABSTRACT

OFFICE OF NUCLEAR POWER

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PLANT: BROWNS FERRY NUCLEAR PLANT

CHATTANOOGA, TENNESSEE 37402

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Inservice Inspection Introduction Summary

In accordance with paragraph IWA-6230 of 2001 Edition, through 2003 Addenda of Section XI of the ASME Boiler and Pressure Vessel Code the following information is provided.

- 1. Date of document completion:
- 2. Name of owner and address of principal offices:

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

3. Name and address of the nuclear generating plant:

Browns Ferry Nuclear Plant P.O. Box 2000 Decatur, Alabama 35609-2000

4. Name or number assigned to the nuclear power unit by TVA:

Browns Ferry Nuclear Plant, Unit 3.

5. Commercial operation date of unit:

March 1, 1977

OFFICE OF NUCLEAR POWER
1101 MARKET STREET

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Examination Summary:

The Unit 3, Cycle 12 Inservice Inspection (ISI) is the first scheduled refueling outage during the first inspection period of the third ASME Section XI,10-year inspection interval.

On February 20, 2004, TVA opted to request NRC approval to utilize IWA-2430(d)(1) of the 1995 Edition through 1996 Addenda of the ASME Section XI, Division1 Code. NRC approved this request on March 29, 2004. This later Code allowed TVA to extend the BFN Unit 3 Second Ten Year ISI Interval but yet allow the start of the BFN Unit 3 Third Ten Year ISI Interval. This was done anticipating that Request for Relief 3-ISI-18 would be approved allowing TVA permission from examining seven (7) Reactor Pressure Vessel (RPV) Nozzles, Code Category B-D, Item No. B3.90. If the request for relief was not approved; the seven (7) RPV Nozzles would be examined during the U3C12 outage completing the Unit 3 Second ISI Ten Year Interval. TVA withdrew the request for relief on September 14, 2005. Therefore, since the seven (7) RPV Nozzle examinations are for the Unit 3 Second Interval, the Code of Record is the 1989 Edition, No addenda of the ASME Section XI, Division 1 Code and the Code of Record for NDE is the 1995 Edition through the 1996 Addenda of the ASME Section XI, Division 1 Code. The other nozzle examinations are for the Unit 3 Third Ten Year ISI Interval, First Period, with a Code of Record of the 2001 Edition of the ASME Section XI, Division 1 Code, as amended by 10 CFR 50.55a(b)(2)(xxiv) and as amended by Sections 10 CFR 50.55a(b)(2)(xv)(B) through 10 CFR 50.55a(b)(2)(xv)(G), and 10 CFR50-55a(b)(2)(xvi)(A), and by following the Electric Power Research Institute (EPRI) Performance Demonstration Initiative (PDI) processes, and a NDE Code of Record of the 2001 Edition through 2003 Addenda of the ASME Section XI, Division 1 Code as amended by 10CFR50.55a. Reference RFR# 3-PDI-4. The seven (7) RPV Nozzles are as follows: N2G, N2H, N2J, N2K, N3C, N3D and N8B. Reference Attachment #3 for the NIS-1 submittal for the 2nd Interval 3rd period.

Approximately 154 visual, 27 ultrasonic, and 5 magnetic particle examinations were performed in support of code credit components. Also, a successive examination was performed; 1 visual. Preservice examinations were performed; 9 visual examinations. Eight (8) Notification of Indications (NOI's) were issued to document indications identified during the performance of the examinations. These NOI's were evaluated by engineering and dispositioned (see Appendix VI, Summary of Indications).

Other examinations were performed in accordance with BFN's augmented inspection program and are included in Attachment 1 for information. These examinations are inclusive of the Reactor Pressure Vessel Internals Inspection (RPVII) on Unit 3 RPV internals.

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ASME Code Cases

The following code cases have been approved for use as applicable during the Unit 3/Cycle 12 outage:

N-526 Alternate Additional Examination Requirements for Successive Inspections of Class 1, 2, and 3 Vessels, Section XI, Division 1.

N-552 Alternate Methods - Qualification For Nozzle Inside Radius Section From the Outside Surface section XI, Division 1.

To achieve consistency with the 10 CFR 50.55a rule change published September 22, 1999 (64 FR 51370), incorporating Appendix VIII, "Performance Demonstration for Ultrasonic Examination Systems," to Section XI, add the following to the specimen requirements:

"At least 50 percent of the flaws in the demonstration test set must be cracks and the maximum misorientation must be demonstrated with cracks. Flaws in nozzles with bore diameters equal to or less than 4 inches may be notches."

The number of false calls must not exceed three.

N-586 Alternate Additional Examination requirements for Class 1, 2, and 3 Piping, Components, and Supports Section XI, Division 1.

The engineering evaluations addressed under item (a) and the additional examinations addressed under Item (b) shall be performed during this outage.

If the additional examinations performed under (b) reveal indications exceeding the applicable acceptance criteria of Section XI, the engineering evaluations and the examinations shall be further extended to include additional evacuations and examinations at this outage.

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- N-577 Risk-Informed Requirements for Class 1, 2, and 3 Piping, Method A, Section XI, Division 1, (RIMS # R08 000601 846), with the more detailed provisions provided in WCAP-14572, Revision 1-NPA, "Westinghouse Owners Group Application Of Risk - Informed Methods To Piping Inservice Inspection Topical Report"
- N-613-1 Ultrasonic Examination of full Penetration Nozzles in Vessels, Examination Category B-D, Item No's, B3.10, and B3.90, Reactor Nozzle-To-Vessel Welds, fig's. IWB-2500-7 (a), (b), and (c), Section XI, Division 1.
- N-648-1 Alternative Requirements for Inner Radius Examination of Class 1 Reactor Vessel Nozzles, Section XI Division 1, subject to the following conditions:

In place of a UT examination, a visual examination with enhanced magnification that has a resolution sensitivity to detect a 1-mil width wire or crack, utilizing the allowable flaw length criteria of Table IWB-3512-1 with limiting assumptions on the flaw aspect ratio. The provisions of Table IWB-2500-1, Examination Category B-D, continue to apply except that, in place of examination volumes, the surfaces to be examined are the external surfaces shown in the figures applicable to this table.

Qualification Requirements for Dissimilar Metal Piping Welds, Section XI, N-695 Division 1.

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UNIT 3 INTERVAL STATUS

The BFN Unit 3 cycle 12 outage ISI examinations were performed during the first scheduled refueling outage of the first period of the third interval. The component quantities examined were determined from 3-SI-4.6.G, Table A (Unit 3 Class 1, and 2 components) and from applicable BFN Unit 3 relief requests. This report covers the Cycle 12 outage for Browns Ferry Unit 3. The following table summarizes the percentage of Code required examinations completed to date. Table 1 summarizes code credited examinations by category and percentages completed and complies with ASME Section XI percentage requirements.

TABLE 1 ASME SECTION XI EXAMINATION SUMMARY FOR THE FIRST PERIOD OF THE THIRD TEN-YEAR INSPECTION INTERVAL

CATEGORY/CLASS	% C0	OMPLETE COMMENTS
B-A/1	0%	
B-B	N/A	
B-D/1	29%	Excludes seven (7) additional nozzles deferred from Cycle 11, 2nd Int.
B-E/1	0%	Refer to system pressure test
B-F/2	N/A	See R-A
B-G-1/1	12%	
B-G-2/1	20%	(Item # B7.50 one bolted connection among a group of bolted
connections that are simil	ar in de	sign, size, function, and service.)
B-G-2/1	05%	(Item # B7.70 when valve is disassembled)
B-G-2/1	13%	(Item # B7.80 CRD Housing Bolting, inspected when disassembled)
B-J/1	N/A	See R-A
B-K/1	30%	
B-L-1/1	N/A	
B-L-2/1	0%	Recirc Pumps not disassembled Table IWB-2500-1 Note # 2
B-M-1/1	N/A_	
B-M-2/1	05%	When disassembled
B-N-1/1	10%	Each period
B-N-2/1	10%	•
B-O	N/A	
B-P/1	N/A	Refer to pressure test program
B-Q	N/A	
C-A/2	0%	
C-B/2	20%	
C-C/2	06%	
C-D	N/A	
C-F-1/2	N/A	See R-A
C-F-2/2	N/A_	See R-A
C-G	N/A_	
F-A/ 1 AND 2	07%	Class 1 and 2 Supports only
R-A/ 1 AND 2	15%	This percentage does not include Flow Accelerated Corrosion (FAC)
 		<u>Item # R1.18.</u>

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PERSONNEL/EQUIPMENT CERTIFICATIONS:

NDE personnel certification records for TVA and contractor employees are maintained by TVA's Nuclear Engineering and Technical Services Corporate, Inspection Services Organization (ISO). These records are maintained as permanent QA records for a forty year plant life. Any details or specifics regarding NDE certification records should be directed to the ISO at the Sequoyah Training Center in Soddy-Daisy, Tennessee at telephone number (423) 843-4026.

NDE equipment certification records are maintained by the TVA ISO. Any details or specifics regarding NDE equipment certification records should be directed to ISO at the Sequoyah Training Center in Soddy Daisy, Tennessee at telephone number (423)843-4026.

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APPENDIX IV EXAMINATION LIMITATIONS

OFFICE OF NUCLEAR POWER

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METHOD OF CALCULATION OF LIMITATIONS

During the performance of Inservice Inspections, the ASME Section XI Code 2001 Edition, through 2003 Addenda, as amended by 10 CFR 50.55a, "Mandatory Limitations and Modifications," requires the determination of the ultrasonic examination volume to establish the required beam path angles needed to maximize coverage and verify technique parameters. This information is necessary in those instances where there may be a reduction in the examination volume.

Surface examinations of welded attachments are conducted in accordance with ASME Section XI Code 2001 Edition, through 2003 Addenda, as amended by 10 CFR 50.55a, "Mandatory Limitations and Modifications." Surface examinations are typically conducted on 100% of the weld length plus a defined amount of base material on each side of the weld. Surface areas are calculated in those instances where there may be a reduction in the examination area.

The Code required ultrasonic examination volume or surface examination area for each type of piping weld or nozzle-to-vessel weld is depicted in the figures of IWB-2500 or IWC-2500. As depicted for piping welds, volume width generally constitutes the weld plus 1/4" on each side while volume thickness generally constitutes the lower 1/3 of the piping thickness for the length of the weld. Additionally, Risk-Informed ISI, Category R-A, Item No. R1.11 welds subject to thermal fatigue required an expanded examination boundary to include the counterbore and/or inside diameter transitions. As depicted, for nozzle-to-vessel welds, the volume width generally constitutes the weld plus 1/2t (ts/2) on each side of the weld while volume thickness generally constitutes the entire component thickness (i.e. full volume). The volume changes with variations in weld configuration (e.g. transition between different pipe thickness or nozzle-to-vessel configuration). Therefore, it is necessary to determine the required volume for each group of similar welds to allow setting of scanner limits for automated ultrasonic examinations and scan paths for manual ultrasonic examinations. Surface examination area is generally the weld plus 1/2inch of base material on each side of the weld.

Reactor Pressure Vessel Nozzle to shell or head weld examination volume has been reduced to 1/2" beyond the widest part of the boundary of the deposited weld material in lieu of the requirements of ASME Section XI Figures IWB-2500-7 (a) and IWB-2500-7 (b) per Code Case N-613-1.

Paragraph IWA-2232 of the Code requires that the ultrasonic examination of piping systems be conducted in accordance with Appendix I of ASME Section XI. Appendix I requires that the ultrasonic examination of piping systems be conducted in accordance with Appendix VIII of ASME Section XI, and the nozzle-to-vessel welds be conducted in accordance with Article 4 of ASME Section V, 2001 Edition, through 2003 Addenda, as amended by 10 CFR 50.55a, " Mandatory Limitations and Modifications," as supplemented by Appendix I of ASME Section XI. Appendix VIII and Article 4 define the applicable examination methods (e.g., examination angles, scan directions) to be used during examination. Paragraphs IWA-2221 and IWA-2222 of the ASME Section XI, requires that surface examinations be conducted in accordance with Article 6 or 7, as applicable, of ASME Section V, 2001 Edition, through 2003 Addenda.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000 1101 MARKET STREET DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: CERTIFICATE OF AUTHORIZATION: NOT REQUIRED. THREE

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

TVA developed procedure N-GP-28 and N-GP-31 to provide a standardized methodology for calculation of Code coverage in those instances where configuration or other components cause an examination limitation. Components/welds with limitations were evaluated in terms of the feasibility of other NDE techniques or methods to increase coverage or for NRC Information Notice 98-42 applicability.

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PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT:

}

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3/Cycle 12 Inservice Inspection is contained in this Appendix.

The following items/components had less than 100% R-A/Code coverage achieved. TVA elected to use NRC Information Notice, 98-42 "Implementation Of 10 CFR 50.55a(g) Inservice Inspection Requirements," which defines, "essentially 100%" of each weld to mean "greater than 90%" in 10CFR 50.55a(g)(6)(ii)(A)(2) for required examination coverage of reactor pressure vessel welds. This standard has been applied to all examinations of welds or other areas required by ASME Section XI.

SYSTEM	COMPONENT ID	COVERAGE	CALCULATED	REPORT NO.
		ASME XI	10CFR50.55a	
RHR	DSRHR-3-08	98.4%	98.4%	R-056

The following items/components had examination limitations outside those specified in 2001 Edition, through 2003 Addenda of ASME Section XI Code and NRC Information Notice, 98-42 "Implementation Of 10 CFR 50.55a(g) Inservice Inspection Requirements." The Inservice Inspection Program 3-SI-4.6.G will be revised to incorporate these limitations in the form of Requests for Relief (RFR). Program revisions, including Requests for Relief, will be submitted to the NRC.

<u>SYSTEM</u>	COMPONENT ID	COVERAGE	CALCULATED	REPORT NO.	RFR No.		
		ASME XI	10CFR50.55a				
			*				
RECIRC	GR-3-63	75%	75%	R-031	3-ISI-22		

OFFICE OF NUCLEAR POWER

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CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3/Cycle 12 Inservice Inspection is contained in this Appendix.

The following items/components had examination limitations outside those specified in 2001 Edition, through 2003 Addenda of ASME Section XI Code, as amended by 10 CFR 50.55a, "Mandatory Limitations and Modifications," and NRC Information Notice, 98-42 "Implementation Of 10 CFR 50.55a(g) Inservice Inspection Requirements." The Inservice Inspection Program 3-SI-4.6.G will be revised to incorporate these limitations in the form of Requests for Relief (RFR). Program revisions, including Requests for Relief, will be submitted to the NRC.

<u>SYSTEM</u>	COMPONENT ID	COVERAGE CALCULATED	REPORT NO.	RFR No.
RPV	NIA-NV	21%	R-079	3-ISI-23
RPV	N1A-IR	90%	R-057	3-ISI-23
RPV	N2B-NV	42%	R-080	3-ISI-23
RPV	N2B-IR	40%	R-057	3-ISI-23
RPV	N2D-NV	42%	R-081	3-ISI-23
RPV	N2D-IR	40%	R-057	3-ISI-23
RPV	N2F-NV	42%	R-083	3-ISI-23
RPV	N2F-IR	40%	R-057	3-ISI-23
RPV	N3B-NV	36%	R-083	3-ISI-23
RPV	N3B-IR	90%	R-057	3-ISI-23
RPV	N4B-NV	39%	R-085	3-ISI-23
RPV	N4C-NV	39%	R-087	3-ISI-23
RPV	N5A-NV	38%	R-088	3-ISI-23
RPV	N5A-IR	40%	R-057	3-ISI-23
RPV	N8A-NV	64%	R-089	3-ISI-23
RPV	N8A-IR	40%	R-057	3-ISI-23

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

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CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX V

EXAMINATION PLAN

OFFICE OF NUCLEAR POWER

PC

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PLANT: BROWNS FERRY NUCLEAR PLANT

CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

The following printout is an outage ISI report designed to meet the reporting requirements of IWA-6000 of the ASME Section XI Code. This report contains Unit 3/Cycle 12 Inservice Inspection data for Code Class 1 and Code Class 2 components selected for ASME Section XI credit. Attachment 2 contains a summary of augmented examinations performed during Unit 3/Cycle 12 outage. Essential unit and system files are contained herein as a reference to describe abbreviations and features in the printout. The aforementioned precedes the outage ISI report.

Code Class 3 Inservice data and reports are contained in the Browns Ferry Inservice Inspection (ISI) Final Plant Report. The Pressure Test Program Report for ASME Section XI Class 1, 2, and 3 Components for BFN for this outage will be submitted in a separate NIS-1 90 Day Report.

OFFICE OF NUCLEAR POWER

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

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DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3/CYCLE 12 ISI REPORT OF CLASS 1 AND CLASS 2 **COMPONENTS**

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Key to computer weld/feature tracking system

A. CYCLE- Refueling Cycle Number and Unit Number

B. SYSTEM- System/Component

CCWS- Closed Cooling Water System (Reactor Building Closed Cooling Water)

CRDS- Control Rod Drive System

CSS- Core Spray System

EECW- Emergency Equipment Cooling Water System

FPCS- Fuel Pool Cooling System

FWS- Feedwater System

HPCIS- High Pressure Coolant Injection System

MSS- Main Steam System

RCICS- Reactor Core Isolation Cooling System

RECIR- Recirculation System

RHRS- Residual Heat Removal System

RHRSW- Residual Heat Removal Service Water System

RPV- Reactor Pressure Vessel

RWCU- Reactor Water Cleanup System

- C. Component Number/Identifier
- D. Drawing-ISI Drawing Number and sheet number from the Surveillance Instruction (SI-4.6.G)
- E. Exreq- ASME Section XI Code year and interval (See Note # 1)
- F. Category-Code Category
- G. Item Number- Code Item Number
- H. Exam Scheduled
- I. NDE METH- Nondestructive Examination (NDE) Method

ET- Eddy Current Test

MT- Magnetic Particle Test

PT- Penetrant Test

RT- Radiography Test

UT- Ultrasonic Test

VT- Visual Test (VT-1, VT-2, VT-3)

VT-1E - Enhanced VT-1 with 1 mil wire resolution

EVT-1- Enhanced VT-1 with 1/2 mil wire resolution

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

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DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

- J. Calibration Standard- If required
- K. Exam Date- Date of Inspection
- L. Exam Report No.- Examination Report Number
- M. Exam Results P Pass
 - R- Rejectable
 - E- Evaluated acceptable for continued operation by Engineering

O. COMMENTS

NOTE (1): EXREQ Identifiers:

- 89E-02 ASME Section XI Code 1989 Edition, No addenda/ Second Interval
- 03E-03 ASME Section XI Code 2001Edition, through 2003 Addenda/ Third Interval
- 95E-03 ASME Section XI Code 1995 Edition, 1996 Addenda/Third Interval
- P03-03 Preservice Examination/Third Interval
- S01-02 Successive exam due to previous findings
- B01-02 UT of Feedwater Nozzles and Visual of FW Spargers
- B02-02 Examinations performed to NUREG-0313/Generic Letter 88-01/BWRVIP-75 for IGSCC detection
- B04-02 Weld inspection for Pipe Whip Protection per TSR 3.4.3.2
- B06-02 Examinations performed to the recommendation of BWRVIP-27 and BWRVIP-49
- OTI365 Augmented examinations (UT, VT, EVT-1 of RPV Internals)

Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 3 CYCLE 12 REFUELING OUTAGE INSERVICE INSPECTION (ISI) SCAN PLAN REV 000

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage ISI Scan Plan, Revision 000, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, 2001 Edition, through 2003Addenda.

This document was prepared by Harold E. Hodges of BFN Components Engineering and coordinated with Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO).

Harold E. Hodges

ISI Engineer

BFN Components Engineering

Matthew C. Welch

BFN ISO, NDE Level III

Froscello Jr. /

BFN ISO, NDE Specialist - ISI

BFN Mechanical Nuclear Design

Engineering (NUREG-0619, TSR3.4.3.2,

, C. Welch

BWRVIP-27, BWRVIP-49, BWRVIP-75,

SPP-9.7, APPENDIX. "B")

am Flood

Concurrence

cc: R. K. Golub, SAB-1B, BFN

M. L. Turnbow, STC-11, SQN

Revision 000 01/10/2006

Total Examinations: 194

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3 EXAMS SCHEDULED FOR CYCLE 12

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	TEMNO	CATEGORY	EXREQ	EXSCHID	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
FWS	3-47B415-34		3-ISI-0336-C-01	12	F1.10B	F-A	03E-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3-47B415-34		3-ISI-0336-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3-47B415-37		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-1		20.00		VAR SUP	
FWS	3-47B415-38		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-1		12.00	,	CFS	
FWS	3-47B415-39		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-1		12.00		VAR SUP	
FWS	3-47B415-49		3-ISI-0336-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3RFWA-17R	3-003-036	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWA-28P	3-003-037	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	TU	N-UT-26	CSW			GRID	
FWS	3RFWA-30P	3-003-038	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-25	CSW			GRID	
FWS	3RFWA-39E	3-003-039	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWB-13T	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW	24.00	1.531	GRID	
FWS	3RFWB-16T	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW	20.00	1.281	GRID	
FWS	3RFWB-20E	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	ur	N-UT-26	CSW	12.75	0.844	GRID	
FWS	3RFWB-39E	3-003-043	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3-47B400-095		3-ISI-0338-C-02	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-114-IA		3-ISI-0338-C-02	12	B10.20	B-K	03E-03	MT	N-MT-6			1.625	WLD ATT	
MSS	3-47B400-115		3-ISI-0338-C-02	12	F1.10D	F-A	03E-03	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-115-IA		3-ISI-0338-C-02	12	B10.20	В-К	03E-03	MT	N-MT-6			0.750	WLD ATT	
MSS	3-47B400-116		3-ISI-0338-C-02	. 12	F1.10D	F-A	03E-03	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-116-IA		3-ISI-0338-C-02	. 12	B10.20	B-K	03E-03	MT	N-MT-6			0.625	WLD ATT	
MSS	3-47B400-204		3-ISI-0338-C-02	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-204	•	3-ISI-0338-C-02	12	F1.10B	F-A	S01-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-68		3-ISI-0338-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-82		3-ISI-0338-C-01	. 12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-83-JA		3-ISI-0338-C-01	. 12	B10.20	B-K	03E-03	MT	N-MT-6			1.500	WLD ATT	
MSS	3MSZ-MS1A-19E	3-001-036	3-ISI-0329-C-01	. 12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3MSZ-MS2B-13E	3-001-037	3-ISI-0329-C-02	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3MSZ-MS2B-14P	3-001-037	3-ISI-0329-C-02	12	R1.18	R-A	03E-03	UΓ	N-UT-26	CSW			GRID	
MSS	DSAS-3-03	3-001-002	ISI-0354-C-02	12	R1.11	R-A	03E-03	UT .	N-UT-76	ALTCS	06.00	0.432	EL	P
MSS	HPAS-3-H-03		3-ISI-0355-C-02	2 12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
MSS	HPAS-3-H-10		3-ISI-0355-C-02	2 12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
RECIR	3-47B465-497		3-ISI-0337-C-02	2 12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-498		3-ISI-0337-C-02	2 12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-499		3-ISI-0337-C-02	2 12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-500		3-ISI-0337-C-02	2 12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	

Page 1 of 5

SORT ORDER: SYSTEM-WELDNO

SYSTEM	WELDNO	SEGMENT	ISONO ·	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RECIR	3-47B465-501		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	
RECIR	3-47B465-502		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	
RECIR	3-47B465-503		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	NU0313	E	B02-02	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	NU0313	E	B02-02	UΓ	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-63		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	UT	N-UT-64	ALTSS	28.00	1.138	VLV	P
RECIR	GR-3-63		3-ISI-0328-C-02	12	NU0313	E	B02-02	UT	N-UT-65	SIZING	28.00	1.138	VLV	P
RECIR	KR-3-02		3-ISI-0328-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-02		3-JSI-0328-C-01	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	. 12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RHRS	3-SI-3.3.8.C		N/A	12	C7.20	C-II	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C	•	N/A	12	C7.40	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.60	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DSRIIR-3-01	3-074-005	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS	24.00	1.219	EL	P
RHRS	DSRIIR-3-01	3-074-005	3-ISI-0330-C-01	12	NU0313	С	B02-02	Uľ	N-UT-64	ALTSS	24.00	1.219	EL	P
RHRS	DSRIIR-3-08	3-074-007	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	υr	N-UT-64	ALTSS	20.00	1.031	BRCN	P
RHRS	DSRHR-3-08	3-074-007	3-ISI-0330-C-01	12	NU0313	С	B02-02	UL	N-UT-64	ALTSS	20.00	1.031	BRCN	P
RHRS	RHRG-3-05-B		3-ISI-0422-C-01	12	C2.33	C-B	89E-02	VT-2	N-VT-4				NOZ	SHL
RHRS	RIIRG-3-06-B		3-ISI-0422-C-01	12	C2.33	C-B	89E-02	VT-2	N-VT-4			0.813	NOZ	SHL
RPV	CRDN-3-0219-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VI	ſ			BLTG	
RPV	CRDN-3-0223-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-0639-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-0647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-1035-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-1051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-1427-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	ſ			BLTG	
RPV	CRDN-3-1823-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-1839-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-2611-BC	•	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-2647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-3011-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-3051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	

	M WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPI
V	CRDN-3-3055-BC		ISI-0293-C-01	. 12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
V	CRDN-3-3403-BC		ISI-0293-C-01	12 -	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
7	CRDN-3-3451-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
,	CRDN-3-4239-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
7	CRDN-3-4607-BC	•	ISI-0293-C-01	. 12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
7	CRDN-3-4615-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
,	CRDN-3-4647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
	CRDN-3-5027-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
	CRDN-3-5035-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
	CRDN-3-5827-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
	CRDN-3-5835-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
	N10-SE		ISI-0445-C-01	12	N/A	BWRVIP-27	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	er.
	NI 1A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE SE
	N11B-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
	N12A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	
	N12B-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00			SE
	NI6A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
	N16B-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
	NI A-IR		3-ISI-0328-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT		2.00	0.250	NOZ	SE
	NIA-NV		3-ISI-0328-C-01	12	B3.90	B-D	03E-03	UL	N-UT-78	BF-18	20.00	6.600	NOZ IR	
	N2B-IR		3-ISI-0328-C-02	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT	D1-10	28.00	6.600	SHL	NOZ
	N2B-NV-		3-ISI-0328-C-02	12	B3.90	B-D	03E-03	υr	N-UT-78	BF-18	12.00		NOZ IR	
	N2D-IR		3-ISI-0328-C-02	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT	Dt-19	12.00	6.600	NOZ	SHL
	N2D-NV		3-ISI-0328-C-02	12	B3.90	B-D	03E-03	UT	N-UT-78	DD 10	12.00		NOZ IR	
	N2F-IR		3-ISI-0328-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT	BF-18	12.00	6.600	NOZ	SHL
	N2F-NV		3-ISI-0328-C-01	12	B3.90	B-D	03E-03	UT		DD 40			NOZ IR	
	N2G-IR		3-ISI-0328-C-01	12	B3.100	B-D	89E-02		N-UT-78	BF-18	12.00	6.600	NOZ	SHL
	N2G-NV		3-ISI-0328-C-01	12	B3.90	B-D B-D	89E-02	VT-1E	VENDOR VT	DD 40			NOZ IR	
	N2H-IR		3-ISI-0328-C-01	12	B3.100	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
	N2H-NV-		3-ISI-0328-C-01	12	B3.90	B-D		VT-1E	VENDOR VT				NOZ IR	
	N2J-IR		3-ISI-0328-C-01	12	B3.100	B-D	89E-02 89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
	N2J-NV-		3-ISI-0328-C-01	12	B3.90	B-D		VT-1E	VENDOR VT				NOZ IR	
	N2K-IR		3-ISI-0328-C-01	12	B3.100		89E-02	UT		BF-18	12.00	6.600	NOZ	SHL
	N2K-NV		3-ISI-0328-C-01	12		B-D	89E-02	VT-IE	VENDOR VT				NOZ IR	
	N3B-IR		3-ISI-0329-C-02	12	B3.90 B3.100	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
	N3B-NV		3-ISI-0329-C-02			B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
	N3C-IR			12	B3.90	B-D	03E-03	υr		BF-18	26.00	6.600	SHL	NOZ
	N3C-NV		3-ISI-0329-C-02	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
	N3D-IR		3-ISI-0329-C-02	12	B3.90	B-D	89E-02	UT ·		BF-18	26.00	6.600	SHIL	NOZ
	N3D-NV·		3-ISI-0329-C-01	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
	ODDED. CVCTEM		3-ISI-0329-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	26.00	6.600	SHL	NOZ

RPV N4B- RPV N4B- RPV N4B- RPV N4C- RPV N5A- RPV N5A- RPV N8A- RPV N8A-	A-FW-SPARG B-FW-SPARG B-IR/NB B-IR/NB B-NV- B-C-FW-SPARG B-C-IR/NB B-C-NV B-D-FW-SPARG B-FW-SPARG B	3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02	12 12 12 12 12 12 12 12 12 12 12 12	N/A N/A B3.100 NU0619 B3.90 N/A B3.100 NU0619 B3.90 N/A N/A	NU0619 NU0619 B-D B-D NU0619 B-D B-D B-D NU0619 NU0619	B01-02 B01-02 03E-03 B01-02 03E-03 B01-02 03E-03 B01-02 03E-03 B01-02	VT-1E VT-1E UT UT VT-1E UT VT-1E UT UT	VENDOR VT VENDOR UT VENDOR UT N-UT-78 VENDOR VT VENDOR UT VENDOR UT N-UT-78	BF-18 BF-18 BF-18	12.00	6.600	NOZ IR SNOZFWB NOZ NOZ IR SNOZFWB	SSE SHL SSE
RPV N4B- RPV N4B- RPV N4C- RPV N5A- RPV N5A- RPV N8A-	B-IR B-IR/NB B-NV- C-FW-SPARG C-IR B-C-IR/NB B-C-NV B-FW-SPARG B-F	3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0231-C-01	12 12 12 12 12 12 12 12 12 12	B3.100 NU0619 B3.90 N/A B3.100 NU0619 B3.90 N/A N/A	B-D B-D NU0619 B-D B-D B-D NU0619	03E-03 B01-02 03E-03 B01-02 03E-03 B01-02	UT UT UT VT-1E UT UT	VENDOR UT VENDOR UT N-UT-78 VENDOR UT VENDOR UT VENDOR UT	BF-18 BF-18 BF-18			SNOZFWB NOZ NOZ IR SNOZFWB	SHIL
RPV N4B RPV N4C RPV N4C RPV N4C RPV N4C RPV N4C RPV N4C RPV N4D RPV N4E RPV N4F RPV N5A RPV N5A	B-IR/NB B-NV- C-FW-SPARG C-IR/NB C-IR/NB C-NV D-FW-SPARG IE-FW-SPARG IF-FW-SPARG SA-IR SA-IR	3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12 12 12 12 12 12	NU0619 B3.90 N/A B3.100 NU0619 B3.90 N/A N/A	B-D B-D NU0619 B-D B-D B-D NU0619	B01-02 03E-03 B01-02 03E-03 B01-02 03E-03	UT UT VT-1E UT UT	VENDOR UT N-UT-78 VENDOR VT VENDOR UT VENDOR UT	BF-18 BF-18 BF-18			SNOZFWB NOZ NOZ IR SNOZFWB	SHIL
RPV N4B RPV N4C RPV N4C RPV N4C RPV N4C RPV N4C RPV N4D RPV N4E RPV N4F RPV N5A RPV N5A	B-NV- C-FW-SPARG C-IR C-IR/NB C-NV D-FW-SPARG E-FW-SPARG F-FW-SPARG SA-IR SA-NV	3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12 12 12 12 12	B3.90 N/A B3.100 NU0619 B3.90 N/A N/A	B-D NU0619 B-D B-D B-D NU0619	03E-03 B01-02 03E-03 B01-02 03E-03	UT VT-1E UT UT	N-UT-78 VENDOR VT VENDOR UT VENDOR UT	BF-18 BF-18 BF-18			NOZ NOZ IR SNOZFWB	SHIL
RPV N4C RPV N4C RPV N4C RPV N4C RPV N4C RPV N4E RPV N4E RPV N4F RPV N5A RPV N5A	C-FW-SPARG C-IR/NB C-IR/NB C-NV D-FW-SPARG E-FW-SPARG F-FW-SPARG 5-A-IR 5-A-IR 6-A-IR	3-ISI-0220-C-02 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12 12 12 12	N/A B3.100 NU0619 B3.90 N/A N/A	NU0619 B-D B-D B-D NU0619	B01-02 03E-03 B01-02 03E-03	VT-1E UT UT	VENDOR VT VENDOR UT VENDOR UT	BF-18 BF-18			NOZ IR SNOZFWB	
RPV N4C RPV N4C RPV N4C RPV N4E RPV N4E RPV N4F RPV N5A RPV N5A	C-IR C-IR/NB C-NV D-FW-SPARG IE-FW-SPARG IF-FW-SPARG SA-IR SA-NV BA-IR	3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12 12 12	B3.100 NU0619 B3.90 N/A N/A	B-D B-D B-D NU0619	03E-03 B01-02 03E-03	ur ur	VENDOR UT VENDOR UT	BF-18			SNOZFWB	SSE
RPV N4C RPV N4D RPV N4E RPV N4F RPV N5A RPV N5A RPV N8A	C-IR/NB C-NV B-FW-SPARG IE-FW-SPARG IF-FW-SPARG 5A-IR 5A-NV BA-IR	3-ISI-0327-C-01 3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12 12	NU0619 B3.90 N/A N/A	B-D B-D NU0619	B01-02 03E-03	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV N4C RPV N4D RPV N4E RPV N4F RPV N5A RPV N5A	C-NV D-FW-SPARG IE-FW-SPARG IF-FW-SPARG 5A-IR 5A-NV BA-IR	3-ISI-0327-C-01 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12 12	B3.90 N/A N/A	B-D NU0619	03E-03							SSE
RPV N4D RPV N4E RPV N4F RPV N5A RPV N5A	D-FW-SPARG IE-FW-SPARG IF-FW-SPARG 5A-IR 5A-NV BA-IR	3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12 12	N/A N/A	NU0619		UT	N-UT-78					
RPV N4E RPV N5A RPV N5A RPV N8A	IE-FW-SPARG IF-FW-SPARG 5A-IR 5A-NV BA-IR	3-ISI-0220-C-02 3-ISI-0220-C-02 3-ISI-0331-C-01	12 12	N/A		B01-02			BF-18	12.00	6.600	NOZ .	SHIL
RPV N4F RPV N5A RPV N5A	FFW-SPARG 5A-IR 5A-NV 3A-IR	3-ISI-0220-C-02 3-ISI-0331-C-01	12		NU0619		VT-1E	VENDOR VT					
RPV N5A RPV N5A RPV N8A	5A-IR 5A-NV BA-IR	3-ISI-0331-C-01		BT/A	1.0001	B01-02	VT-1E	VENDOR VT					
RPV NSA	5A-NV BA-IR		10	N/A	NU0619	B01-02	VT-1E	VENDOR VT					
RPV N8A	BA-IR		12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
		3-ISI-0331-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	10.00	6.600	NOZ	SHL
DDU NRA	BA-NV	3-ISI-0411-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
101 4 14054		3-ISI-0411-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	04.00	6.600	SHL	NOZ
RPV N8B	BB-IR ·	3-ISI-0411-C-01	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
RPV N8B	8B-NV 4	3-ISI-0411-C-01	12	B3.90	B-D	89E-02	υr	N-UT-78	BF-18	04.00	6.600	SHL	NOZ
RPV RPV	PV INTERIOR	ISI-0220-C-02	12	B13.10	B-N-1	03E-03	VT-3	VENDOR VT				INT	
RPV RPV	PV-NUTS-3-01	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-02	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-03	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-04	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-05	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-06	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-07	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-08	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-09	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-10	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-11	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-12	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-13	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-14	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-15	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RPV	PV-NUTS-3-16	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RP	PV-NUTS-3-17	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RP	PV-NUTS-3-18	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV RP	PV-NUTS-3-19	3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
	PV-NUTS-3-20	3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
	LPV-NUTS-3-21	3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	

SYSTEM	MELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHID	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	RPV-NUTS-3-22		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	•
RPV	RPV-NUTS-3-23		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-24		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-25		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-26	•	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-27		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1	•	08.50		CL HD BLT	
RPV	RPV-NUTS-3-28		3-ISI-0267-C-01	12 .	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-29		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-30		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-WASH-3-01	4	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASII	
RPV	RPV-WASH-3-02		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-03		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-04		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-05		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-06		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASII-3-07		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-08		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-09		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-10	•	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-11		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	Vſ-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-12		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-13		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-14		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASII-3-15		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-16		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-17		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-18		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-19		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-20		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-21		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	Wash	
RPV	RPV-WASII-3-22		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	MASH	
RPV	RPV-WASH-3-23		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-24		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-25		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-26		3-ISI-0267-C-01	12	R6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-27		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-28		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-29		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-30		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	

Revision 000 02/22/2006

Total Examinations: 200

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3 EXAMS SCHEDULED FOR CYCLE 12

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
FWS	3-47B415-34		3-ISI-0336-C-01	12	F1.10B	F-A	03E-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3-47B415-34		3-ISI-0336-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3-47B415-37		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-I		20.00		VAR SUP	
FWS	3-47B415-38		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-1		12.00		CFS	
FWS	3-47B415-39		3-ISI-0336-C-01	12	F1.10C	F-A	03E-03	VT-3	N-VT-1		12.00		VAR SUP	
FWS	3-47B415-49		3-ISI-0336-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		24.00		RGD HGR	
FWS	3RFWA-17R	3-003-036	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWA-28P	3-003-037	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWA-30P	3-003-038	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWA-39E	3-003-039	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
FWS	3RFWB-13T	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UI	N-UT-26	CSW	24.00	1.531	GRID	
FWS	3RFWB-16T	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW	20.00	1.281	GRID	
FWS	3RFWB-20E	3-003-040	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW	12.75	0.844	GRID	
FWS	3RFWB-39E	3-003-043	3-ISI-0327-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3-47B400-095		3-ISI-0338-C-02	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-114-IA		3-ISI-0338-C-02	. 12	B10.20	B-K	03E-03	MΓ	N-MT-6			1.625	WLD ATT	
MSS	3-47B400-115		3-ISI-0338-C-02	12	F1.10D	F-A	03E-03	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-115-IA	•	3-ISI-0338-C-02	12	B10.20	B-K	03E-03	MT	N-MT-6			0.750	WLD ATT	
MSS	3-47B400-116		3-ISI-0338-C-02	12	F1.10D	F-A	03E-03	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-116-IA		3-ISI-0338-C-02	12	B10.20	B-K	03E-03	MT	N-MT-6			0.625	WLD ATT	
MSS	3-47B400-204		3-ISI-0338-C-02	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-204		3-ISI-0338-C-02	. 12	F1.10B	F-A	S01-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-68		3-ISI-0338-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-82		3-ISI-0338-C-01	12	F1.10B	F-A	P03-03	VT-3	N-VT-1		26.00	•	RGD HGR	
MSS	3-47B400-83-IA		3-ISI-0338-C-01	12	B10.20	B-K	03E-03	MT	N-MT-6			1.500	WLD ATT	
MSS	3MSZ-MS1A-19E	3-001-036	3-ISI-0329-C-01	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3MSZ-MS2B-13E	3-001-037	7 3-ISI-0329-C-02	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	3MSZ-MS2B-14P	3-001-037	7 3-ISI-0329-C-02	12	R1.18	R-A	03E-03	UT	N-UT-26	CSW			GRID	
MSS	DSAS-3-03	3-001-002	2 ISI-0354-C-02	12	R1.11	R-A	03E-03	UT	N-UT-76	ALTCS	06.00	0.432	EL	P
MSS	HPAS-3-H-03		3-ISI-0355-C-02	. 12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
MSS	HPAS-3-H-10		3-ISI-0355-C-02	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
MSS	MS-3-II-12		3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		24.00		VAR SUP	
MSS	MS-3-H-13		3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		24.00		VAR SUP	
MSS	MS-3-H-13-IA		3-ISI-0355-C-01	12	C3.20	C-C	03E-03	MT	N-MT-6			1.500	WLD ATT	
MSS	MS-3-H-17	•	3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		30.00		VAR SUP	

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SORT ORDER: SYSTEM-WELDNO

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLI	TEMNO	CATEGORY	EXREQ	EXSCHID	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RECIR	3-47B465-497		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-498		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1	••			SNBR	
RECIR	3-47B465-499		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-500		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-I				CFS	
RECIR	3-47B465-501		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1	•			CIS	
RECIR	3-47B465-502		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	
RECIR	3-47B465-503		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-513		3-ISI-0337-C-01	12	F1.40D	F-A	P03-03	VT-3	N-VT-1				SNBR	
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	NU0313	E	B02-02	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	NU0313	E	B02-02	UT	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-63		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	Uľ	N-UT-64	ALTSS	28.00	1.138	VLV	P
RECIR	GR-3-63		3-ISI-0328-C-02	12	NU0313	E	B02-02	UT	N-UT-65	SIZING	28.00	1.138	VLV	P
RECIR	KR-3-02		3-ISI-0328-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-02		3-ISI-0328-C-01	12	NU0313	С	B02-02	υr	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	. 12	R1.16C	R-A	03E-03	Uľ	N-UT-64	ALTSS	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	28.00	1.322	EL	P
RIIRS	3-SI-3.3.8.C		N/A	12	C7.20	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.40	C-H	89E-02	VT-2	N-VI-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.60	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C	0.7	N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRIIR-3-13B	3-074-013	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DSRHR-3-01	3-074-005	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	UΤ	N-UT-64	ALTSS	24.00	1.219	EL	P
RHRS	DSRHR-3-01	3-074-005	3-ISI-0330-C-01	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	EL	P
RHRS	DSRIIR-3-08	3-074-007	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS	20.00	1.031	BRCN	P
RHRS	DSRIIR-3-08	3-074-007	3-ISI-0330-C-01	. 12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	20.00	1.031	BRCN	P
RHRS	RHRG-3-05-B		3-ISI-0422-C-01	12	C2.33	C-B	89E-02	VT-2	N-VT-4				NOZ	SHL
RHRS	RHRG-3-06-B		3-ISI-0422-C-01	12	C2.33	C-B	89E-02	VT-2	N-VT-4			0.813	NOZ	SIIL
RPV	CRDN-3-0219-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Г			BLTG	
RPV	CRDN-3-0223-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-0639-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-0647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	Γ			BLTG	
RPV	CRDN-3-1035-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	г			BLTG	
RPV	CRDN-3-1051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	r			BLTG	
RPV	CRDN-3-1427-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V	T			BLTG	
RPV	CRDN-3-1823-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR V				BLTG	

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEFROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	CRDN-3-1839-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-2611-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-2647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-3011-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-i	VENDOR VT				BLTG	
RPV	CRDN-3-3051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-3055-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-3403-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-3451-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-4239-BC	~	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-4607-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-4615-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-4647-BC	**	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-5027-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
rpv	CRDN-3-5035-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-5827-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	CRDN-3-5835-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	VENDOR VT				BLTG	
RPV	N10-SE		ISI-0445-C-01	12	N/A	BWRVIP-27	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N11A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N11B-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N12A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N12B-SE	•	3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N16A-SE		3-ISI-0346-C-01	12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N16B-SE		3-ISI-0346-C-01	. 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	NIA-IR		3-ISI-0328-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
RPV	NIA-NV		3-ISI-0328-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	28.00	6.600	SHL	NOZ
RPV	N2B-IR		3-ISI-0328-C-02	12	B3.100	B-D	03E-03	VT-1E	VENDOR VI				NOZ IR	
RPV	N2B-NV		3-ISI-0328-C-02	12	B3.90	B-D	'03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2D-IR		3-ISI-0328-C-02	12	B3.100	B-D .	03E-03	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N2D-NV		3-ISI-0328-C-02	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2F-IR		3-ISI-0328-C-01	· 12	B3.100	B-D	03E-03	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N2F-NV		3-ISI-0328-C-01	12.	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2G-IR		3-ISI-0328-C-01	. 12	B3.100	B-D	89E-02	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N2G-NV		3-ISI-0328-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2II-IR		3-ISI-0328-C-01	12	B3.100	B-D	89E-02	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N2H-NV		3-ISI-0328-C-01	12	B3.90	B-D	89E-02	UΓ	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2J-IR		3-ISI-0328-C-01		B3.100	B-D	89E-02	VT-1E	VENDOR VI				NOZ IR	
RPV	N2J-NV		3-ISI-0328-C-01		B3.90	B-D	89E-02	UΓ	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2K-IR		3-ISI-0328-C-01		B3.100	B-D	89E-02	VT-1E	VENDOR VI				NOZ IR	
RPV	N2K-NV		3-ISI-0328-C-01		B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N3B-IR		3-ISI-0329-C-02		B3.100	B-D	03E-03	VT-1E	VENDOR V				NOZ IR	

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCIID	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	N3B-NV		3-ISI-0329-C-02	12	B3.90	B-D	03E-03	Uľ	N-UT-78	BF-18	26.00	6.600	SHL	NOZ
RPV	N3C-IR		3-ISI-0329-C-02	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
RPV	N3C-NV		3-ISI-0329-C-02	12	B3.90	B-D	89E-02	UT	N-UT-78 .	BF-18	26.00	6.600	SHIL	NOZ
RPV	N3D-IR		3-ISI-0329-C-01	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
RPV	N3D-NV		3-ISI-0329-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	26.00	6.600	SHIL	NOZ
RPV	N4A-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VT					
RPV	N4B-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VT					
RPV	N4B-IR		3-ISI-0327-C-01	12	B3.100	B-D	03E-03	UΤ	VENDOR UT	BF-18			NOZ IR	
RPV	N4B-IR/NB		3-ISI-0327-C-01	12	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4B-NV		3-ISI-0327-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SIIL
RPV	N4C-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VT					
RPV	N4C-IR		3-ISI-0327-C-01	12	B3.100	B-D	03E-03	UT	VENDOR UT	BF-18			NOZ IR	
RPV	N4C-IR/NB		3-ISI-0327-C-01	12	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4C-NV		3-ISI-0327-C-01	12	B3.90 ·	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4D-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VT					
RPV	N4D-NV		3-ISI-0327-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4E-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VI	•				
RPV	N4F-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1E	VENDOR VT	•				
RPV	N5A-IR		3-ISI-0331-C-01	12 .	B3.100	B-D	03E-03	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N5A-NV		3-ISI-0331-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	10.00	6.600	NOZ	SHL
RPV	N8A-IR	•	3-ISI-0411-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N8A-NV		3-ISI-0411-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	04.00	6.600	SHL	NOZ
RPV	N8B-IR	•	3-ISI-0411-C-01	- 12	B3.100	B-D	89E-02	VT-1E	VENDOR VI	•			NOZ IR	
RPV	N8B-NV		3-ISI-0411-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	04.00	6.600	SHIL	NOZ
RPV	RPV INTERIOR		ISI-0220-C-02	12	B13.10	B-N-1	03E-03	VT-3	VENDOR VI	•			INT	
RPV	RPV-NUTS-3-01		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-02		3-ISI-0267-C-01	. 12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-03		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-04		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-05		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-06		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-07		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-08		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-09		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-10		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	G
RPV	RPV-NUTS-3-11		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1	•	08.50		CL HD BLT	
RPV	RPV-NUTS-3-12		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-13		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-14		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-15		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BL1	
					•			• - •	• • • •		- 0.2 -			

	WELDNO	SEGMENT	S ISONO			CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDES
PV PV	RPV-NUTS-3-16		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1	:	08.50		CL HD BLTG	
	RPV-NUTS-3-17		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
V	RPV-NUTS-3-18		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
v	RPV-NUTS-3-19		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
V	RPV-NUTS-3-20		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
v 	RPV-NUTS-3-21		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
V 	RPV-NUTS-3-22		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL IID BLTG	
V	RPV-NUTS-3-23		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL IID BLTG	
V	RPV-NUTS-3-24		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
V	RPV-NUTS-3-25		3-ISI-0267-C-01	, 12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50	•	CL HD BLTG	
V	RPV-NUTS-3-26		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
v	RPV-NUTS-3-27		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL IID BLTG	
V	RPV-NUTS-3-28		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
V	RPV-NUTS-3-29		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLTG	
7	RPV-NUTS-3-30		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50	•		
7	RPV-WASH-3-01		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	CL HD BLTG	
7	RPV-WASH-3-02		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
,	RPV-WASH-3-03		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
J	RPV-WASH-3-04	•	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00		WASH	
7	RPV-WASH-3-05		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
,	RPV-WASH-3-06		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1			08.62	WASH	
7	RPV-WASH-3-07		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASII	
7	RPV-WASH-3-08		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
V	RPV-WASH-3-09		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASII	
7	RPV-WASH-3-10		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
J	RPV-WASH-3-11		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VI-1	N-VT-1		06.00	08.62	WASH	
J	RPV-WASH-3-12		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-13		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-14		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-15		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1			06.00	08.62	WASH	
7	RPV-WASH-3-16		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-17		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
J	RPV-WASH-3-18		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-19		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03		N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-20		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
7	RPV-WASH-3-21		3-ISI-0267-C-01	12	B6.50			VT-1	N-VT-1	•	06.00	08.62	WASH	
,	RPV-WASH-3-22		3-ISI-0267-C-01	12	B6.50		03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
,	RPV-WASH-3-23		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
,	RPV-WASH-3-24		3-ISI-0267-C-01	12		B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASII	
v	RPV-WASH-3-25		3-ISI-0267-C-01		B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
	ORDER SYSTEM			12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	

SYSTE	M WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA COMP	'DESB
RPV	RPV-WASH-3-26		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASII-3-27		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-28	,	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-29		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1	٠.	06.00	08.62	WASH	
RPV	RPV-WASH-3-30		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	

Page 6 of 6

110071	20.00	OVOTELL	- OLIFONIENT INCLUTICIEN		DEWISION I	DE ASON FOR RELIGION	APPROVED I	APPROVED	ISI DATA	ISI DATA
CYCLE		SYSTEM	COMPONENT IDENTIFIER	SME	REVISION	REASON FOR REVISION	BY ISVNDE	BY NDE	BASE	BASE
	REV.			×				LEVEL III SIGN AND DATE	REVISED BY ISO SIGN AND	REVISION VERIFIED BY
						•			DATE	ISI/NDE SIGN AND DATE
	~1	1.1	N4D-NV	H	Add UT exams to	Added in accompanie			4811-11L	1 100
3/12	O'	FW	• • •	X	Scan Plan FOR	with corrective +	1	1000	T. Mary	1/31/00
""		003	N4D-IR	'	NUD-NV. NUD-IR.	with corrective action FOR FERT	In bath	11/1/1/2 J	AN 13/1/00	1.100
}	}		N4D-IR/NB		N4D-NV, N4D-IR, and N4D-IRNB	96089.	2/1/06	10 1/21/04	Oil.	May have
	 			 _	A (1):		01.1		7 14	
h -		MS	MS-3-H-12		Add Visual VT-3 and MTexams:	Originally Schedular	1	1	LM. Mal	1 Shall
13/12	0	001	MS-3-H-13	lx	ms-3-f1-12	FOR Precutage but	1) Mylle	with the	10000	IN July
\'	}		MS-3-H-13-IA	Ι,	ms-3-H-13 ms-3-H-13-IA	were movel to outage usciz.	106	11/2/2/20	12/03/	13/00
		l 1	MS-3-H-17	ļ	MS-3-H-17	on a general contract of the c	ا ، عرائق	, , M,		W'
7		FW	N4D-IR	1,	Domare From 11342	Completed in 3rd		/ / /	10. NA	/ / /
3/12	رما	, ,,	N4D-IR/NB	X	Outage, NOT REQUIRED.	Wenied and Interval	لرياد الله ال	while -	The state of	ما ينار بالا
1/10	101	003	11470 217110		N49-IR	Not required in 1st Period, 3 Intervel	Miles	Marsh John	Ky v	14.75 X
ł	l			l	NYD-IRINB	1st Period, SINKING	1003/15/06	1/2		10
	 	m. 1		+-		C 114 1 - 40		/	· 3/10	
3/12	01	FW	NHD-NV	X	Change Code Year	Gredit to a o to	1/1/2 /1	11/2/2.10	AN 13-6	Link St.
112	101	003			OF NUD-NV FROM	U3, 3ulperion,	Milm	Milmila	2/2010	1/1/2/1/20
		ļ			03E-03 TO 89E-03	2nd Interval to	3/15/04	1/2/1/3		Mich
		<u> </u>	den.	4	J 450	1989 Asme II Coll	ļ		A	
3/		RPV	CRD4-3-0219,0223, 0639,0647,1035,1051,	X	Change NDEPROC" from Vendor VT " to " N-VT-1"	VT-1 exams pyrimed	1.1600	1	Malling	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1/12	101	'	1427,1823,1837,2611,		Vendor VT to "N-VT-1"	by TVA/IST personnel	MANUM	White !	1/20 /6	Million Physics
['	1	Į.	3403, 3451, 4239, 4607,			1 '	Non Klair	12/10/00	17/2/1	12/1/2/1/2
			4615, 4647, 5027, 5035, 5827 and 5835-BC				3/12/10	分		ري/
HSCAN	DI ANI DE	VLOG XLS			· · · · · · · · · · · · · · · · · · ·	·^		,	1216	

H.SCAN PLAN REV LOG XLS

PAGE 1 OF 34 gy strace

CYCLE	SCAN PLAN REV.	SYSTEM	COMPONENT IDENTIFIER	ASME XI	REVISION	REASON FOR REVISION	BY ISVNDE SIGN AND	BY NDE LEVEL III SIGN AND DATE	ISI DATA BASE REVISED BY ISO SIGN AND DATE	ISI DATA BASE REVISION VERIFIED BY ISIVNDE SIGN AND DATE
3/12	01	M5	3MSZ-MSZB-14P 4342-005	x	REMOVE COMPONENT	GRID DOES NOT EXIST ON PIPING SYSTEM.	MARINE	Mary		Want of the
3/2	ol	M6	M\$-3-002-021 -43C12-005 244 3/18/00	X	ADD GHPONENT PSI EXAM CAT: B-J ITEM: B9.11	PSI EXAM	Mynulus 13/15/06	War la for	The della	hen high
3/12	01	MS	FCV-1-014	X	Add value FCV-1-014 ISI EXAM BM-2, IT#B12.50	ISI-EXAM	1 1/3/15/04	Jan Ja	13/15/06	Market State of the State of th
3/12	01	M5	FCV-1-0H-BC	X	Add FCV-1-014-BC ISI EXAM B-G-J-B7.70	ISI EXAM	13/15/06	Jane 1	3/5/0	Mary 18
3/12	-01	M5	PCV-1-3-034-BC	, X	Add PCV-13-034-BC ISI EXAM B-G-2, B1.50	ISI EXAM	13/16/04	Marker Stranger	1 W- WAT	Marie 1

PAGE 2 OF 2 Justiles

CYCLE	SCAN PLAN REV.	SYSTEM	COMPONENT IDENTIFIER	ASME XI	REVISION	REASON FOR REVISION	BY ISVNDE SIGN AND	BY NDE LEVEL III SIGN AND DATE	ISI DATA BASE REVISED BY ISO SIGN AND DATE	ISI DATA BASE REVISION VERIFIED BY ISI/NDE SIGN AND DATE
3/12	01	RPV	B-N-2 II# B13.30 B13.40	Х	Add Components BN-2 B13.30 BN-2 B13.40	Components Covered and Inspected under OTI-365	127/2016 227/2016	Wanteloo	13/27/06	War let ex
3/12	01	M5	VVeld MS-3-002-021	X	Delete Rtexam of Weld M5-3-002-021 From U3C12 Scan Plan.	Preservice Exam not required.	4/4/1/2	Salve Jalo	Jan 19 0	Doeline Desem Wilde
3/13	ol	FW	N4E-NV	X	Add UT exam to scan plan For N4E-NV	Added in according with corrective action FOR PERST	1/12/00 (Jarour Jaro	14/3/010	Daine Simply
3/12	01	MS		Ì	Acld Component PCV1-3-034-VBC B-6-2-B7.70, PSI P03-03	Preservice Exam W.O.03-004255-001	5/2/2006	5/3/06	TW-0129	Delave Suem C/3/06
3/12	01	M3	Valve pcv-1-3-042-4BG	1	Add Component PCVI-3-034042-VBC BG-2, BT-70 PSI BG-2, BT-70 P03-03	Reserved Evam WO.03-004168-00/	jalar Sprtude	Aglop Anga Daigang	INV YADA	Stalop Stalop

PAGE 3 OF 34 gut stilles

CYCLE	PLAN REV.		COMPONENT IDENTIFIER	ME XI		REASON FOR REVISION	BY ISVNDE SIGN AND DATE	BY NDE LEVEL III SIGN AND DATE	BASE REVISED BY ISO SIGN AND	ISI DATA BASE REVISION VERIFIED BY ISI/NDE SIGN AND DATE
312	0	Pocire	3-478465-573	X	Add support 3-478465-573 F-A, F1.40D-P03-03 PSI	PSI exam ferformed 01/20/06 fer W.O. 06-7/0779-000	Shahwor	Marida	The state of	Million
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PAGE 4 OF 4

Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 12 REFUELING OUTAGE INSERVICE INSPECTION (ISI) SCAN PLAN REV 001

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage ISI Scan Plan, Revision 001, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, 2001 Edition, through 2003Addenda.

This document was prepared by Harold E. Hodges of BFN Components Engineering and coordinated with Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO).

In Ingr

5/2/2006

Harold E. Hodges

ISI Engineer

BFN Components Engineering

Frederick W. Frescello Jr.

BFN ISO, NDE Specialist - ISI

Matthew C. Welch

BFN ISO, NDE Level III

BFN Mechanical Nuclear Design

Engineering (NUREG-0619, TSR3.4.3.2,

Thun C. Willes

BWRVIP-27, BWRVIP-49, BWRVIP-75,

SPP-9.7, APPENDIX. "B")

Sam Flood ANI/ANII

Concurrence

cc: R. K. Golub, SAB-1B, BFN

M. L. Turnbow, STC-11, SQN

Revision 001 05/12/2006

Total Examinations: 242

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3 EXAMS SCHEDULED FOR CYCLE 12

CSS 3-SI-3.3.6 N/A 12 C7.40 C-H 89E-02 VT-2 N-VT-4 SYSLEAK CSS 3-SI-3.3.6 N/A 12 C7.60 C-H 89E-02 VT-2 N-VT-4 SYSLEAK CSS 3-SI-3.3.6 N/A 12 C7.80 C-H 89E-02 VT-2 N-VT-4 SYSLEAK CSS 3-SI-3.3.14.A N/A 12 C7.80 C-H 89E-02 VT-2 N-VT-4 SYSLEAK EECWS 3-SI-3.3.14.A N/A 12 D2.10 D-B 89E-02 VT-2 N-VT-4 SYSLEAK EECWS 3-SI-3.3.14.B N/A 12 D2.10 D-B 89E-02 VT-2 N-VT-4 SYSLEAK EECWS 3-47B415-34 3-ISI-0336-C-01 12 F1.10B F-A 03E-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-34 3-ISI-0336-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-37 3-ISI-0336-C-01 12 F1.10C F-A 03E-03 VT-3 N-VT-1 20.00 VAR SUP FWS 3-47B415-38 3-ISI-0336-C-01 12 F1.10C F-A 03E-03 VT-3 N-VT-1 12.00 CFS FWS 3-47B415-39 3-ISI-0336-C-01 12 F1.10C F-A 03E-03 VT-3 N-VT-1 12.00 CFS FWS 3-47B415-49 3-ISI-0336-C-01 12 F1.10C F-A 03E-03 VT-3 N-VT-1 12.00 VAR SUP FWS 3-47B415-49 3-ISI-0336-C-01 12 F1.10C F-A 03E-03 VT-3 N-VT-1 12.00 VAR SUP FWS 3-47B415-49 3-ISI-0336-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 12.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 12.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 12.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 12.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 24.00 RGD HGR FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 P0-VT-26 CSW GRID FWS 3-47B415-49 3-ISI-0326-C-01 12 F1.18 R-A 03E-03 UT N-VT-26 CSW GRID FWS 3-47B415-49 3-ISI-0327-C-01 12 F1.18 R-A 03E-03 UT N-VT-26 CSW GRID
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FWS 3RFWA-39E 3-003-039 3-ISI-0327-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW GRID
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FWS 3RFWB-13T 3-003-040 3-ISI-0327-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW 24.00 1.531 GRID
FWS 3RFWB-16T 3-003-040 3-ISI-0327-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW 20.00 1.281 GRID
FWS 3RFWB-20E 3-003-040 3-ISI-0327-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW 12.75 0.844 GRID
FWS 3RFWB-39E 3-003-043 3-ISI-0327-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW GRID
HPCIS 3-SI-3.3.9 N/A 12 C7.40 C-H 89E-02 VT-2 N-VT-4 SYSLEAK
HPCIS 3-SI-3.3.9 N/A 12 C7.60 C-H 89E-02 VT-2 N-VT-4 SYSLEAK
HPCIS 3-SI-3.3.9 N/A 12 C7.80 C-H 89E-02 VT-2 N-VT-4 SYSLEAK
MSS 3-47B400-095 3-ISI-0338-C-02 12 F1.10B F-A P03-03 VT-3 N-VT-1 26.00 RGD HGR
MSS 3-47B400-114-IA 3-ISI-0338-C-02 12 B10.20 B-K 03E-03 MT N-MT-6 1.625 WLD ATT
MSS 3-47B400-115 3-ISI-0338-C-02 12 F1.10D F-A 03E-03 VT-3 N-VT-1 26.00 SNBR
MSS 3-47B400-115-IA 3-ISI-0338-C-02 12 B10.20 B-K 03E-03 MT N-MT-6 0.750 WLD ATT
MSS 3-47B400-116 3-ISI-0338-C-02 12 F1.10D F-A 03E-03 VT-3 N-VT-1 26.00 SNBR
MSS 3-47B400-116-IA 3-ISI-0338-C-02 12 B10.20 B-K 03E-03 MT N-MT-6 0.625 WLD ATT
MSS 3-47B400-204 3-ISI-0338-C-02 12 F1.10B F-A P03-03 VT-3 N-VT-1 26.00 RGD HGR
MSS 3-47B400-204 3-1SI-0338-C-02 12 F1.10B F-A S01-02 VT-3 N-VT-1 26.00 RGD HGR
MSS 3-47B400-68 3-ISI-0338-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 26.00 RGD HGR
MSS 3-47B400-82 3-ISI-0338-C-01 12 F1.10B F-A P03-03 VT-3 N-VT-1 26.00 RGD HGR
MSS 3-47B400-83-IA 3-ISI-0338-C-01 12 B10.20 B-K 03E-03 MT N-MT-6 1.500 WLD ATT
MSS 3MSZ-MS1A-19E 3-001-036 3-ISI-0329-C-01 12 R1.18 R-A 03E-03 UT N-UT-26 CSW GRID
MSS 3MSZ-MS2B-13E 3-001-037 3-ISI-0329-C-02 12 R1.18 R-A 03E-03 UT N-UT-26 CSW GRID

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SORT ORDER: SYSTEM-WELDNO

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD (COMPDIA	NOMTHCK	COMPDESA	COMPDESB
MSS	3-SI-3.3.1.C		N/A	12	C7.40	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
MSS	3-SI-3.3.1.C		N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
MSS	DSAS-3-03	3-001-002	ISI-0354-C-02	12	R1.11	R-A	03E-03	UT	N-UT-76	ALTCS/WB 78	06.00	0.432	EL	P
MSS	FCV-1-014		3-ISI-0329-C-01	12	B12.50	B-M-2	03E-03	VT-3	N-VT-I		26.00		INT	
MSS	FCV-1-014-BC		3-ISI-0329-C-01	12	B7.70	B-G-2	03E-03	VT-1	N-VT-I				BLTG	
MSS	HPAS-3-H-03		3-ISI-0355-C-02	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
MSS	HPAS-3-H-10		3-ISI-0355-C-02	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		06.00		VAR SUP	
MSS	MS-3-H-12		3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		24.00		VAR SUP	
MSS	MS-3-H-13		3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		24.00		VAR SUP	
MSS	MS-3-H-13-IA		3-ISI-0355-C-01	12	C3.20	C-C	03E-03	MT	N-MT-6			1.500	WLD ATT	
MSS	MS-3-H-17		3-ISI-0355-C-01	12	F1.20C	F-A	03E-03	VT-3	N-VT-1		30.00		VAR SUP	
MSS	PCV1-3-034-PBC	,	3-ISI-0313-B-01	12	B7.50	B-G-2	03E-03	VT-1	N-VT-I				BLTG	
MSS	PCV1-3-034-VBC	•	3-ISI-0313-B-01	12	B7.70	B-G-2	P03-03	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-042-VBC		3-ISI-0313-B-01	12	B7.70	B-G-2	P03-03	VT-1	N-VT-I				BLTG	
RCICS	3-SI-3.3.10		N/A	12	C7.40	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RCICS	3-SI-3.3.10		N/A	12	C7.60	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RCICS	3-S1-3.3.10		N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RECIR	3-47B465-497		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-498		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-I				SNBR	
RECIR	3-47B465-499		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-500		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	
RECIR	3-47B465-501		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-I				CFS	
RECIR	3-47B465-502		3-ISI-0337-C-02	12	F1.40C	F-A	03E-03	VT-3	N-VT-1				CFS	
RECIR	3-47B465-503		3-ISI-0337-C-02	12	F1.40D	F-A	03E-03	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-513		3-ISI-0337-C-01	12	F1.40D	F-A	P03-03	VT-3	N-VT-1				SNBR	
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-03(OL)		3-ISI-0328-C-01	12	NU0313	Е	B02-02	UT	N-UT-66	BF-83	28.00	1.322	VLV	EL
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	UT	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-27(OL)		3-ISI-0328-C-02	12	NU0313	E	B02-02	UT	N-UT-66	BF-83	28.00	1.322	PUMP	P
RECIR	GR-3-63		3-ISI-0328-C-02	12	R1.16E	R-A	03E-03	UT	N-UT-64	ALTSS WB85	28.00	1.138	VLV	P
RECIR	GR-3-63		3-ISI-0328-C-02	. 12	NU0313	Е	B02-02	υτ	N-UT-65	SIZING/WI 85	3 28.00	1.138	VLV	P
RECIR	KR-3-02		3-ISI-0328-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS WB85	28.00	1.322	EL	P
RECIR	KR-3-02		3-ISI-0328-C-01	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS WB85	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	2 12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS WB85	28.00	1.322	EL	P
RECIR	KR-3-24		3-ISI-0328-C-02	2 12	NU0313	С	B02-02	UT	N-UT-64	ALTSS	28.00	1.322	EL	P

SORT ORDER: SYSTEM-WELDNO

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RHRS	3-SI-3.3.8.A		N/A	12	C7.20	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.A		N/A	12	C7.40	С-Н	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.A		N/A	. 12	C7.60	С-Н	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.A		N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C2.33	C-B	89E-02	VT-2	N-VT-4	•			SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.20	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	•
RHRS	3-SI-3.3.8.C		N/A	12	C7.40	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C		N/A	12	C7.60	С-Н	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	3-SI-3.3.8.C	* .	N/A	12	C7.80	C-H	89E-02	VT-2	N-VT-4				SYSLEAK	
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	12	R1.16G	R-A	03E-03	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	12	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DSRHR-3-01	3-074-005	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS/WB 85	24.00	1.219	EL	P
RHRS	DSRHR-3-01	3-074-005	3-ISI-0330-C-01	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS/WB 85	24.00	1.219	EL	P
RHRS	DSRHR-3-08	3-074-007	3-ISI-0330-C-01	12	R1.16C	R-A	03E-03	UT	N-UT-64	ALTSS/WB 85	20.00	1.031	BRCN	P
RHRS	DSRHR-3-08	3-074-007	3-ISI-0330-C-01	12	NU0313	С	B02-02	UT	N-UT-64	ALTSS/WB	20.00	1.031	BRCN	P
RHRS	RHRG-3-05-B		3-ISI-0422-C-01	12	C2.33	C-B	89E-02	VT-2	N-VT-4				NOZ	SHL
RHRS	RHRG-3-06-B		3-ISI-0422-C-01	. 12		C-B	89E-02	VT-2	N-VT-4			0.813	NOZ	SHL
RHRSW	3-SI-3.3.13		N/A	12	D2,10	D-B	89E-02	VT-2	N-VT-4				SYSLEAK	
RPV	3-SI-3.3.1.A		N/A	12	B15.10	B-P	03E-03	VT-2	N-VT-4				SYSLEAK	
RPV	3-SI-3.3.1.A		N/A	12	C7.10	C-H	03E-03	VT-2	N-VT-4				SYSLEAK	
RPV	CRDN-3-0219-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-I				BLTG	
RPV	CRDN-3-0223-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-0639-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-0647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-1035-BC		ISI-0293-C-01	12	В7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-1051-BC		ISI-0293-C-01	. 12	B7.80	B-G-2	95E-03	VT-I	N-VT-I				BLTG	
RPV	CRDN-3-1427-BC	•	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-I	N-VT-I				BLTG	
RPV	CRDN-3-1823-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-1839-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-2611-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-2647-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	•
RPV	CRDN-3-3011-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	PT	N-PT-1				BLTG	
RPV	CRDN-3-3051-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3055-BC		ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
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YSTEM	WELDNO SI	EGMENT ISONO	CYCL	E ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPE
PV	CRDN-3-3403-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	CRDN-3-3451-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	CRDN-3-4239-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	CRDN-3-4607-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	I-TV	N-VT-1				BLTG	
PV	CRDN-3-4615-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-I	N-VT-I				BLTG	
PV	CRDN-3-4647-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	CRDN-3-5027-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-I	N-VT-I				BLTG	
PV	CRDN-3-5035-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV .	CRDN-3-5827-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	CRDN-3-5835-BC	ISI-0293-C-01	12	B7.80	B-G-2	95E-03	VT-1	N-VT-1				BLTG	
PV	N10-SE	ISI-0445-C-01	12	N/A	BWRVIP-27	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	NIIA-SE	3-ISI-0346-C-	01 : 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	NIIB-SE	3-ISI-0346-C-	01 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	N12A-SE	3-ISI-0346-C-	01 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	N12B-SE	3-ISI-0346-C-	01 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE .
PV	N16A-SE	3-ISI-0346-C-	01 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	N16B-SE	3-ISI-0346-C-	01 12	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
PV	NIA-IR	3-ISI-0328-C-	01 12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
PV	NIA-NV	3-ISI-0328-C-	01 12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	28.00	6.600	SHL	NOZ
PV	N2B-IR	3-ISI-0328-C-	02 12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
PV	N2B-NV	3-ISI-0328-C-	02 12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2D-IR	3-ISI-0328-C-	02 12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
PV	N2D-NV	3-ISI-0328-C-	-02 12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2F-IR	3-ISI-0328-C-	01 12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
PV	N2F-NV	3-ISI-0328-C-	-01 12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2G-IR	3-ISI-0328-C-	-01 12	B3.100	B-D	89E-02	VT-1E	VENDOR VT				NOZ IR	
PV	N2G-NV	3-ISI-0328-C	-01 12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2H-IR	3-ISI-0328-C	-01 12	B3.100	B-D	89E-02	VT-IE	VENDOR VT				NOZ IR	
PV	N2H-NV	3-ISI-0328-C	-01 12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2J-IR	3-ISI-0328-C	-01 12	B3.100	B-D	89E-02	VT-1E	VENDOR VT	•			NOZ IR	
PV	N2J-NV	3-ISI-0328-C	-01 12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV	N2K-IR	3-ISI-0328-C	-01 12	B3.100	B-D	89E-02	VT-1E	VENDOR VT	•			NOZ IR	
RPV	N2K-NV	3-ISI-0328-C	-01 12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
PV.	N3B-IR	3-ISI-0329-C		B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
PV	N3B-NV	3-ISI-0329-C		B3.90	B-D	03E-03	UT	N-UT-78	BF-18	26.00	6.600	SHL	NOZ
PV	N3C-IR	3-ISI-0329-C		B3.100	B-D	89E-02	VT-1E	VENDOR VT			•	NOZ IR	
PV	N3C-NV	3-ISI-0329-C		B3.90	B-D	89E-02	UT	N-UT-78	BF-18	26.00	6.600	SHL	NOZ
₽V	N3D-IR	3-ISI-0329-C		B3.100	B-D	89E-02	VT-1E	VENDOR VI				NOZ IR	
PV	N3D-NV	3-ISI-0329-C		B3.90	B-D	89E-02	ur	N-UT-78		26.00	6.600	SHL	NOZ
.PV	N4A-FW-SPARG	3-ISI-0220-C		N/A	NU0619	B01-02	VT-1	VENDOR VI					

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	пемно	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESE
RPV	N4B-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1	VENDOR VT					
RPV	N4B-IR		3-ISI-0327-C-01	12	B3.100	B-D	03E-03	UT	VENDOR UT	BF-18			NOZ IR	
RPV	N4B-IR/NB		3-ISI-0327-C-01	12	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4B-NV		3-ISI-0327-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4C-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1	VENDOR VT	•				
RPV	N4C-IR		3-ISI-0327-C-01	12	B3.100	B-D	03E-03	UT	VENDOR UT	BF-18			NOZ IR	
RPV	N4C-IR/NB		3-ISI-0327-C-01	12	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4C-NV		3-ISI-0327-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4D-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-1	VENDOR VT					
RPV	N4D-NV		3-ISI-0327-C-01	12	B3.90	B-D	V01-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4E-FW-SPARG		3-ISI-0220-C-02	12	N/A	NU0619	B01-02	VT-I	VENDOR VT					
RPV	N4E-NV		3-ISI-0327-C-01	12	B3.90	B-D	V01-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4F-FW-SPARG		3-ISI-0220-C-02	- 12	N/A	NU0619	B01-02	VT-1	VENDOR VT	•				
RPV	N5A-IR	•	3-ISI-0331-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT				NOZ IR	
RPV	N5A-NV		3-ISI-0331-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	10.00	6.600	NOZ	SHL
RPV	N8A-IR		3-ISI-0411-C-01	12	B3.100	B-D	03E-03	VT-1E	VENDOR VT	•			NOZ IR	
RPV	N8A-NV		3-ISI-0411-C-01	12	B3.90	B-D	03E-03	UT	N-UT-78	BF-18	04.00	6.600	SHL	NOZ
RPV	N8B-IR		3-ISI-0411-C-01	12	B3.100	B-D	89E-02	VT-1E	VENDOR VT	•			NOZ IR	
RPV	N8B-NV		3-ISI-0411-C-01	12	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	04.00	6.600	SHL	NOZ
RPV	RPV CORE PLATE		ISI-0220-C-02	12	N/A	N/A	OT1365	EVT	VENDOR VT	• .			INT	
RPV	RPV CORE PLATE		ISI-0220-C-02	12	N/A	N/A	OT1365	VT-3	VENDOR VI	•			INT	
RPV	RPV CORE SUPPORT		ISI-0220-C-02	12	B13.40	B-N-2	03E-03	VT-3	VENDOR VI	•			INT	
RPV	RPV CRD GUIDE TUBE	S	ISI-0220-C-02	12	N/A	N/A	OT1365	EVT	VENDOR VT	•			INT	
RPV	RPV CRD GUIDE TUBE	S	ISI-0220-C-02	12	N/A	N/A	OT1365	VT-3	VENDOR VI	•			INT	
RPV	RPV CS PIPING WELDS	;	ISI-0220-C-02	12	N/A	N/A	0TI365	UT	VENDOR UT	Γ			INT	
RPV	RPV CS PIPING WELDS	;	ISI-0220-C-02	12	N/A	N/A	OT1365	EVT	VENDOR VI	Γ			INT	
RPV	RPV CS PIPING WELDS	;	ISI-0220-C-02	12	N/A	N/A	OT1365	VT-3	VENDOR VI	Γ			INT	
RPV	RPV INT ATT NBLR		ISI-0220-C-02	12	B13.30	B-N-2	03E-03	VT-3	VENDOR VI	Γ			INT	
RPV	RPV INTERIOR	•	ISI-0220-C-02	12	B13.10	B-N-1	03E-03	VT-3	VENDOR VI	٢			INT	
RPV	RPV JET PMP BEAMS		ISI-0220-C-02	12	N/A	N/A	0T1365	UT	VENDOR UT	Γ			INT	
RPV	RPV JET PMPS		ISI-0220-C-02	12	N/A	N/A	OTI365	EVT	VENDOR VI	Γ N/A			INT	
RPV	RPV JET PMPS		ISI-0220-C-02	12	N/A	N/A	0TI365	VT-1	VENDOR VI	N/A			INT	
RPV	RPV JET PMPS		ISI-0220-C-02	12	N/A	N/A	OT1365	VT-3	VENDOR V	Γ			INT	
RPV	RPV SHROUD WELDS		ISI-0220-C-02	12	N/A	N/A	0T1365	UT.	VENDOR U	Г			INT	
RPV	RPV STEAM DRYER		ISI-0220-C-02	12	N/A	N/A	OT1365	VT-1	VENDOR V				INT	
RPV	RPV-NUTS-3-01		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-I	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-02		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-03		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-I	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-04		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-05		3-ISI-0267-C-01		B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	•

Page 5 of 7

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLI	E ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	RPV-NUTS-3-06		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-I	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-07		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-08		3-ISI-0267-C-01	12	B6.10	B-G-I	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-09		3-ISI-0267-C-01	12	B6.10	B-G-I	03E-03	VT-I	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-10		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-11		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-I	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-12		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-13		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-14		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-15		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-16		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-17	1	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-18		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-19		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-20		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-21		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-22		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-23		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-24		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-I	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-25		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-I		08.50		CL HD BLT	
RPV	RPV-NUTS-3-26		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-27	•	3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-I	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-28		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-29		3-ISI-0267-C-01	. 12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-30		3-ISI-0267-C-01	12	B6.10	B-G-1	03E-03	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-WASH-3-01	į.	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASII	
RPV	RPV-WASH-3-02		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-03		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-04		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-05		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	- N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASII-3-06		3-1SI-0267-C-01	12	B6.50	B-G-1	03E-03	1-TV	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-07		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASII-3-08		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-09		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-10		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-11		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-12		3-ISI-0267-C-01		B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-13		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-14		3-1S1-0267-C-01		B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-15	•	3-ISI-0267-C-01		B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
								-						

SORT ORDER: SYSTEM-WELDNO

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	RPV-WASH-3-16		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASII	
RPV	RPV-WASH-3-17		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	N-VT-I	•	06.00	08.62	WASH	
RPV	RPV-WASH-3-18		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-19		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1	•	06.00	08.62	WASH	
RPV	RPV-WASH-3-20		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-21		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-22		3-ISI-0267-C-01	-12	B6.50	B-G-1	03E-03	VT-I	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-23	•	3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-24		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-25		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-26		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-I	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-27		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	1-TV	N-VT-I		06.00	08.62	WASH	
RPV	RPV-WASH-3-28		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-29		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-30		3-ISI-0267-C-01	12	B6.50	B-G-1	03E-03	VT-1	N-VT-I		06.00	08.62	WASH	

ORDER: SYSTEM-WELDNO

EXAM RL REMENTS OWNER: TENNESSEE VALLEY AUTHORITY
03E-03
NUCLEAR POWER CROWN

95E-03

89E-02

P03-03

NUCLEAR POWER GROUP
1101 MARKET STREET

PLANT: BROWNS FERRY NUCLEAR PLANT
P.O. BOX 2000
DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

S01-02 UNIT: THREE CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	item Number	Exam Scheduled	Calibration Standard	Exam Date	∴ Exam Report	Exam Results	Comments
FWS	3-47B415-34	3-ISI-0336-C-01 01	P03-03	F-A	F1.10B	VT-3	•	20060307	R-038	P	WF-2220 (b)
FWS	3-47B415-34	3-ISI-0336-C-01 01	03E-03	F-A	F1.10B	VT-3		20060307	R-038	P	
FWS	3-47B415-37	3-ISI-0336-C-01 01	03E-03	F-A	F1.10C	VT-3		20060307	R-040	P	
FWS	3-47B415-38	3-ISI-0336-C-01 01	03E-03	F-A	F1.10C	VT-3		20060307	R-042	P	
FWS	3-47B415-39	3-ISI-0336-C-01 01	03E-03	F-A	F1.10C	VT-3		20060307	R-039	P	
FWS	3-478415-49	3-ISI-0336-C-01 01	P03-03	F-A	F1.10B	VT-3		20060307	R-041	P	WF- 2220 (b)
FWS	3RFWA-17R	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-065	P	
FWS	3RFWA-28P	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	CSW	20060313	R-069	P	
FWS	3RFWA-30P	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-062	P	
FWS	3RFWA-39E	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	CSW	20060313	R-066	P	
FWS	3RFWB-13T	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	CSW	20060313	R-064	Р	
FWS	3RFWB-16T	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-060	P	
FWS	3RFWB-20E	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-061	P	
FWS	3RFWB-39E	3-ISI-0327-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-063	P	
MSS	3-47B400-095	3-ISI-0338-C-02 02	P03-03	F-A	F1.10B	VT-3		20060303	R-035	P	IWE- 2220 (b)
MSS	3-47B400-114-IA	3-ISI-0338-C-02 02	03E-03	B-K	B10.20	MT		20060307	r-044	P	
MSS	3-47B400-115	3-ISI-0338-C-02 02	03E-03	F-A	F1.10D	VT-3		20060305	R-024	P	RFR# 3-ISI-2
MSS	3-47B400-115-IA	3-ISI-0338-C-02 02	03E-03	в-к	B10.20	MT		20060305	R-025	P	
MSS	3-47B400-116	3-ISI-0338-C-02 02	03E-03	F-A	F1.10D	VT-3		20060305	R-023	P	RFR# 3-ISI-2
MSS	3-47B400-116-IA	3-ISI-0338-C-02 02	03E-03	в-к	B10.20	MT		20060305	R-026	P	
MSS	3-47B400-204	3-ISI-0338-C-02 02	P03-03	F-A	F1.10B	VT-3		20060303	R-036	P	WE-2220(b)
MSS	3-47B400-204	3-ISI-0338-C-02 02	S01-02	F-A	F1.10B	VT-3		20060307	R-036	P	Successive Exam
MSS	3-47B400-68	3-ISI-0338-C-01	P03-03	F-A	F1.10B	VT-3		20060303	R-034	P	WF-22210 (b)
MSS	3-47B400-82	3-ISI-0338-C-01 01	P03-03	F-A	F1.10B	VT-3		20060303	R-018	P	WE- 2220 (b). THIS CLEARS NO# U3C12- 002
MSS	3-47B400-83-IA	3-ISI-0338-C-01	03E-03	В-К	B10.20	MT		20060307	R-043	P	
MSS	3MSZ-MS1A-19E	3-ISI-0329-C-01	03E-03	R-A	R1.18	UT	csw	20060313	R-058	Þ	
MSS	3MSZ-MS2B-13E	3-ISI-0329-C-02	03E-03	R-A	R1.18	UT	csw	20060313	R-059	P	
MSS	DSAS-3-03	ISI-0354-C-02 02	03E-03	R-A	R1.11	UT	ALTCS/W B78	20060307	R-037	P	
MSS	FCV-1-014	3-ISI-0329-C-01 01	03E-03	B-M-2	B12.50	VT-3		20060305	R-033	P	
MSS	FCV-1-014-BC	3-ISI-0329-C-01 01	03E-03	B-G-2	B7.70	VT-1		20060305	R-032	P	
MSS	HPAS-3-H-03	3-ISI-0355-C-02 02	03E-03	F-A	F1.20C	VT-3		20060308	R-046	P	

Page 1 of 8

EXAM RL .REMENTS OWNER: TENNESSEE VALLEY AUTHORITY
03E-03
NUCLEAR POWER GROUP

95E-03

89E-02

NUCLEAR POWER GROUP 1101 MARKET STREET PLANT: BROWNS FERRY NUCLEAR PLANT
P.O. BOX 2000
DECATUR, ALABAMA 35609-2000

P03-03 CHATTANOOGA, TENNESSEE 37402 S01-02

UNIT: THREE CYCLE: 12 COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
MSS	HPAS-3-H-10	3-ISI-0355-C-02 02	03E-03	F-A	F1.20C	VT-3		20060309	R-052	Р	
MSS	MS-3-H-12	3-ISI-0355-C-01 01	03E-03	F-A	F1.20C	VT-3		20060308	R-048	P	
MSS	MS-3-H-13	3-ISI-0355-C-01 01	03E-03	F-A	F1.20C	VT-3		20060308	R-050	P	THIS CLEARS NO# U312-019.
MSS	MS-3-H-13-IA	3-ISI-0355-C-01 01	03E-03	C-C	C3.20	MT		20060308	R-047	Р	
MSS	MS-3-H-17	3-ISI-0355-C-01 01	03E-03	F-A	F1.20C	VT-3		20060308	R-045	P	THIS CLEARS NO# U3C12-015
MSS	PCV1-3-034-PBC	3-ISI-0313-B-01 01	03E-03	B-G-2	B7.50	VT-1		20060308	R-049	P	
MSS	PCV1-3-034-VBC	3-ISI-0313-B-01 01	P03-03	B-G-2	B7.70	VT-1		20051206	R-090	P	VALVE S/N 1021 W.O. 03-004255-001, 12 NUTS
MSS	PCV1-3-042-VBC	3-ISI-0313-B-01 01	P03-03	B-G-2	B7.70	VT-1		20051206	R-091	P	VALVE S/N 1026 W.O. 03-004268-001, 12 NUTS
RECIR	3-47B465-497	3-ISI-0337-C-02 02	03E-03	F-A	F1.40D	VT-3		20060302	R-014	P	RFR# 3-ISI-2
RECIR	3-47B465-498	3-ISI-0337-C-02 02	03E-03	F-A	F1.40D	VT-3		20060302	R-015	P	RFR# 3-ISI-2
RECIR	3-47B465-499	3-ISI-0337-C-02 02	03E-03	F-A	F1.40D	VT-3		20060320	R-016	P	RFR# 3-ISI-2
RECIR	3-47B465-500	3-ISI-0337-C-02 02	03E-03	F-A	F1.40C	VT-3		20060302	R-021	. Р	THIS CLEARS NO# U3C12-008
RECIR	3-47B465-501	3-ISI-0337-C-02 02	03E-03	F-A	F1.40C	VT-3		20060303	R-019	Р	THIS CLEARS NO# U3C12-003
RECIR	3-478465-502	3-ISI-0337-C-02 02	03E-03	F-A	F1.40C	VT-3		20060302	R-020	Р	THIS CLEARS NO# U3C12-004
RECIR	3-47B465-503	3-ISI-0337-C-02 02	03E-03	F-A	F1.40D	VT-3		20060302	R-017	P	RFR# 3-ISI-2
RECIR	3-47B465-513	3-ISI-0337-C-01 01	P03-03	F-A	F1.40D	VT-3	:	20060120	R-013	P	W.O. 06-710779-000
RECIR	GR-3-03(OL)	3-ISI-0328-C-01 01	03E-03	R-A	R1.16E	UT	BF-83	20060303	R-029	P	PROCEDURE PDI-UT-8, REV. E
RECIR	GR-3-27(OL)	3-ISI-0328-C-02 02	03E-03	R-A	R1.16E	UT	BF-83	20060303	R-029	P	PROCEDURE PDI-UT-8, REV. E
RECIR	GR-3-63	3-ISI-0328-C-02 02	03E-03	R-A	R1.16E	UT	ALTSS WB85	20060305	R-031	P	PROCEDURE PDI-UT-2, REV. C. ADDENDUM #1
RECIR	KR-3-02	3-ISI-0328-C-01 01	03E-03	R-A	R1.16C	UT	ALTSS WB85	20060303	R-028	Р	PROCEDURE PDI-UT-2, REV. C, ADDENDUM #1
RECIR	KR-3-24	3-ISI-0328-C-02 02	03E-03	R-A	R1.16C	UT	ALTSS WB85	20060302	R-027	Р	PROCEDURE PDI-UT-2, REV.C, ADDENDUM #1
RHRS	3-SI-3.3.8.C	N/A	89E-02	С-В	C2.33	VT-2		20041022	R-006	P	LOOP II
RHRS	DRHR-3-03B	3-ISI-0330-C-01 01	03E-03	R-A	R1.16G	VT-2		20060319	R-068	P	
RHRS	DRHR-3-13B	3-ISI-0330-C-01 01	03E-03	R-A	R1.16G	VT-2		20060319	R-068	₽	
RHRS	DSRHR-3-01	3-ISI-0330-C-01 01	03E-03	R-A	R1.16C	UT	ALTSS/W B85	20060309	R-051	P	
RHRS	DSRHR-3-08	3-ISI-0330-C-01 01	03E-03	R-A	R1.16C	UT	ALTSS/W B85	20060310	R-056	Р	
RHRS	RHRG-3-05-B	3-ISI-0422-C-01 01	89E-02	C-B	C2.33	VT-2		20041022	R-006	P	LOOP II
RHRS	RHRG-3-06-B	3-ISI-0422-C-01 01	89E-02	С-В	C2.33	VT-2		20041022	R-006	P	LOOP !!

Page 2 of 8

05/12/2006

EXAM RE __REMENTS 03E-03

95E-03

OWNER: TENNESSEE VALLEY AUTHORITY

PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000

NUCLEAR POWER GROUP 1101 MARKET STREET

89E-02 P03-03

CHATTANOOGA, TENNESSEE 37402

DECATUR, ALABAMA 35609-2000

S01-02 **UNIT: THREE CYCLE: 12**

COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CRDN-3-0219-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1	•	20060304	R-022	Р	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-0223-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-0639-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-0647-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-1035-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	. P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-1051-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V MAHONEY
RPV	CRDN-3-1427-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-1823-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-1839-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-2611-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-2647-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-3011-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-3051-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	PT		20060304	R-022	P	N-VT-1 PARAGRAPH A.1.3, SUPPLEMENTAL EXAM FOR VT-1 VISUAL LINEAR INDICATION.
RPV	CRDN-3-3051-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-3055-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	7 BOLTS ACCEPTABLE 1 REJECT. DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY NO#U3C12-012 CLEARED.
RPV	CRDN-3-3403-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-3451-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-4239-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	7 ACCEPTABLE 1 REJECT. DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY NO#U3C12-012 CLEARED.

EXAM RL __REMENTS OWNER: TENNESSEE VALLEY AUTHORITY 03E-03

NUCLEAR POWER GROUP

PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000

95E-03 1101 MARKET STREET 89E-02

DECATUR, ALABAMA 35609-2000

P03-03 S01-02 CHATTANOOGA, TENNESSEE 37402

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

UNIT: THREE CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1977

System	Component	ISO Drawing	Exam	Category	Item	Exam	Calibration	Exam	Exam	Exam	Comments
	Number		Requirement		Number	Scheduled	Standard	Date	Report	Results	
RPV	CRDN-3-4607-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-4615-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-4647-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Þ	7 ACCEPTABL;E 1 REJECT. DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY NO#U3C12-012 CLEARED.
RPV	CRDN-3-5027-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	Р	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-5035-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-5827-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	CRDN-3-5835-BC	ISI-0293-C-01	95E-03	B-G-2	B7.80	VT-1		20060304	R-022	P	DATE: 20060309, TVA/ISO; PATRICK V. MAHONEY
RPV	N1A-IR	3-ISI-0328-C-01 01	03E-03	B-D	B3.100	VT-1E		20060307	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03 90% COVERAGE
RPV	N1A-NV	3-ISI-0328-C-01 01	03E-03	B-D	B3.90	UΤ	BF-18	20060310	R-079	P	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2B-IR	3-ISI-0328-C-02 02	03E-03	B-D	B3.100	VT-1E	, .	20060307	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N2B-NV	3-ISI-0328-C-02 02	03E-03	B-D	B3.90	UΤ	BF-18	20060310	R-080	P	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2D-IR	3-ISI-0328-C-02 02	03E-03	B-D	B3.100	VT-1E		20060307	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N2D-NV	3-ISI-0328-C-02 02	03E-03	B-D	B3.90	UT	BF-18	20060310	R-081	Р	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2F-IR	3-ISI-0328-C-01 02	03E-03	B-D	B3.100	VT-1E		20060307	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N2F-NV	3-ISI-0328-C-01 02	03E-03	B-D	B3.90	UΤ	BF-18	20060310	R-082	P	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2G-IR	3-ISI-0328-C-01 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	P	Deferred from Cycle 11, 2nd Interval. *54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N2G-NV	3-ISI-0328-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-070	Р	Deferred from Cycle 11, 2nd Interval. 54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00, 30-9015396-00 PER# 99373, 99581

EXAM RL. REMENTS OWNER: TENNESSEE VALLEY AUTHORITY 03E-03

95E-03

NUCLEAR POWER GROUP

P.O. BOX 2000 1101 MARKET STREET

89E-02

CHATTANOOGA, TENNESSEE 37402 P03-03 S01-02

UNIT: THREE CYCLE: 12 COMMERCIAL SERVICE DATE: MARCH 1, 1977

DECATUR, ALABAMA 35609-2000

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

PLANT: BROWNS FERRY NUCLEAR PLANT

System	Component Number	ISO Drawing	Exam Requirement	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	N2H-IR	3-ISI-0328-C-01 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	Р	Deferred from Cycle 11, 2nd Interval. *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N2H-NV	3-ISI-0328-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-071	P	Deferred from Cycle 11, 2nd Interval. 54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2J-IR	3-ISI-0328-C-01 01	89E-02	B-D	B3.100	VT-1E	· ,	20060307	R-057	Р	Deferred from Cycle 11, 2nd Interval, *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N31-NV	3-ISI-0328-C-01 01	89E-02	B-D	B3.90	UΤ	BF-18	20060317	R-072	P	Deferred for Cycle 11, 2nd Interval. 54-ISI- 850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N2K-IR	3-ISI-0328-C-01 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	P	Deferred from Cycle 11, 2nd Interval, *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03, 40% COVERAGE
RPV	N2K-NV	3-ISI-0328-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-073	P	Deferred from Cycle 11, 2nd Interval. 54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N3B-IR	3-ISI-0329-C-02 02	03E-03	B-D	B3.100	VT-1E		20060307	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 90% COVERAGE
RPV	N3B-NV	3-ISI-0329-C-02 02	03E-03	B-D	B3.90	UT	BF-18	20060307	R-083	Р	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N3C-IR	3-ISI-0329-C-02 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	P	Deferred from Cycle 11, 2nd Interval. *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03. 90% COVERAGE
RPV	N3C-NV	3-ISI-0329-C-02 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-074	P	Deferred from Cycle 11, 2nd Interval, 54-ISI- 850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N3D-IR	3-ISI-0329-C-01 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	P	Deferred from Cycle 11, 2nd Interval. *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03. 90% COVERAGE
RPV	N3D-NV	3-ISI-0329-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-075	P	Deferred from Cycle 11, 2nd Interval. 54-ISI- 850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N4B-IR	3-ISI-0327-C-01 01	03E-03	B-D	B3.100	UT	BF-18	20060309	R-084	Р	
RPV	N4B-NV	3-ISI-0327-C-01 01	03E-03	B-D	B3.90	υτ	BF-18	20060309	R-085	P	54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00, 30-9015396-00 PER# 99373, 99581

EXAM RE _ REMENTS

P03-03

S01-02

OWNER: TENNESSEE VALLEY AUTHORITY NUCLEAR POWER GROUP

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

03E-03 95E-03

89E-02

1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	N4C-IR	3-ISI-0327-C-01 01	03E-03	B-D	B3.100	UT	BF-18	20060309	R-086	P	
RPV	N4C-NV	3-ISI-0327-C-01 01	03E-03	B-D	B3.90	UT	BF-18	20060309	R-087	Р	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N5A-IR	3-ISI-0331-C-01 01	03E-03	B-D	B3.100	VT-1E		20060307	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N5A-NV	3-ISI-0331-C-01 01	03E-03	B-D	B3.90	UT	BF-18	20060308	R-088	P	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N8A-IR	3-ISI-0411-C-01 01	03E-03	B-D	B3.100	VT-1E		20060307	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03, 40% COVERAGE
RPV	N8A-NV	3-ISI-0411-C-01 01	03E-03	B-D	B3.90	UT	BF-18	200603	R-089	P	54-ISI-850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	N8B-IR	3-ISI-0411-C-01 01	89E-02	B-D	B3.100	VT-1E		20060307	R-057	. Р	Deferred from Cycle 11, 2nd Interval. *54-ISI- 363-02, SDCN'S# 30-5038911-02, 305038911-03. 40% COVERAGE
RPV	N8B-NV	3-ISI-0411-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20060317	R-078	P	Deferred from Cycle 11, 2nd Interval. 54-ISI- 850-03 SDCN# 30-5037583-000, 30- 9011321-00, 30-9015396-00 PER# 99373, 99581
RPV	RPV CORE SUPPORT	ISI-0220-C-02	03E-03	B-N-2	B13.40	VT-3		20060307	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03
RPV	RPV INT ATT NBLR	ISI-0220-C-02	03E-03	B-N-2	B13.30	VT-3		20060307	R-057	P	•
RPV	RPV INTERIOR	ISI-0220-C-02	03E-03	B-N-1	B13.10	VT-3		20060307	. R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-03
RPV	RPV-NUTS-3-01	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-02	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	·
RPV	RPV-NUTS-3-03	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-04	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	Р	
RPV	RPV-NUTS-3-05	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	·
RPV	RPV-NUTS-3-06	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-07	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	Р	
RPV	RPV-NUTS-3-08	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-09	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	Р	
RPV	RPV-NUTS-3-10	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-11	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-12	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	

EXAM RL __ AREMENTS

OWNER: TENNESSEE VALLEY AUTHORITY

PLANT: BROWNS FERRY NUCLEAR PLANT

03E-03 95E-03

NUCLEAR POWER GROUP

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

89E-02 P03-03 S01-02

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CYCLE: 12

1101 MARKET STREET

COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-NUTS-3-13	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-14	3-ISI-0267-C-01 01	03E-03	B-G-1	86.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-15	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-16	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-17	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1	٠	20060310	R-054	P	
RPV	RPV-NUTS-3-18	3-ISI-0267-C-01 01	03E-03	B-G-1	86.10	VT-1		20060310	R-054	P ·	,
RPV	RPV-NUTS-3-19	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1	. '	20060310	R-054	Р	
RPV	RPV-NUTS-3-20	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-21	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-22	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-23	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-24	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-25	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-26	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	Þ	•
RPV	RPV-NUTS-3-27	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-28	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
RPV	RPV-NUTS-3-29	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.10	VT-1		20060310	R-054	P	
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RPV	RPV-WASH-3-09	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-10	3-ISI-0267-C-01 01	03E-03	B-G-1	86.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-11	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Þ	
RPV	RPV-WASH-3-12	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-13	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-14	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	

EXAM R. REMENTS OWNER: TENNESSEE VALLEY AUTHORITY
03E-03
95E-03
89E-02
NUCLEAR POWER GROUP
1101 MARKET STREET

P03-03

S01-02

PLANT: BROWNS FERRY NUCLEAR PLANT
P.O. BOX 2000
DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CYCLE: 12 COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-WASH-3-15	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-16	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-17	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-18	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-19	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	,
RPV	RPV-WASH-3-20	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-21	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-22	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-23	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-24	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-25	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-26	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-27	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-28	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	P	
RPV	RPV-WASH-3-29	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	
RPV	RPV-WASH-3-30	3-ISI-0267-C-01 01	03E-03	B-G-1	B6.50	VT-1		20060310	R-055	Р	

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT:

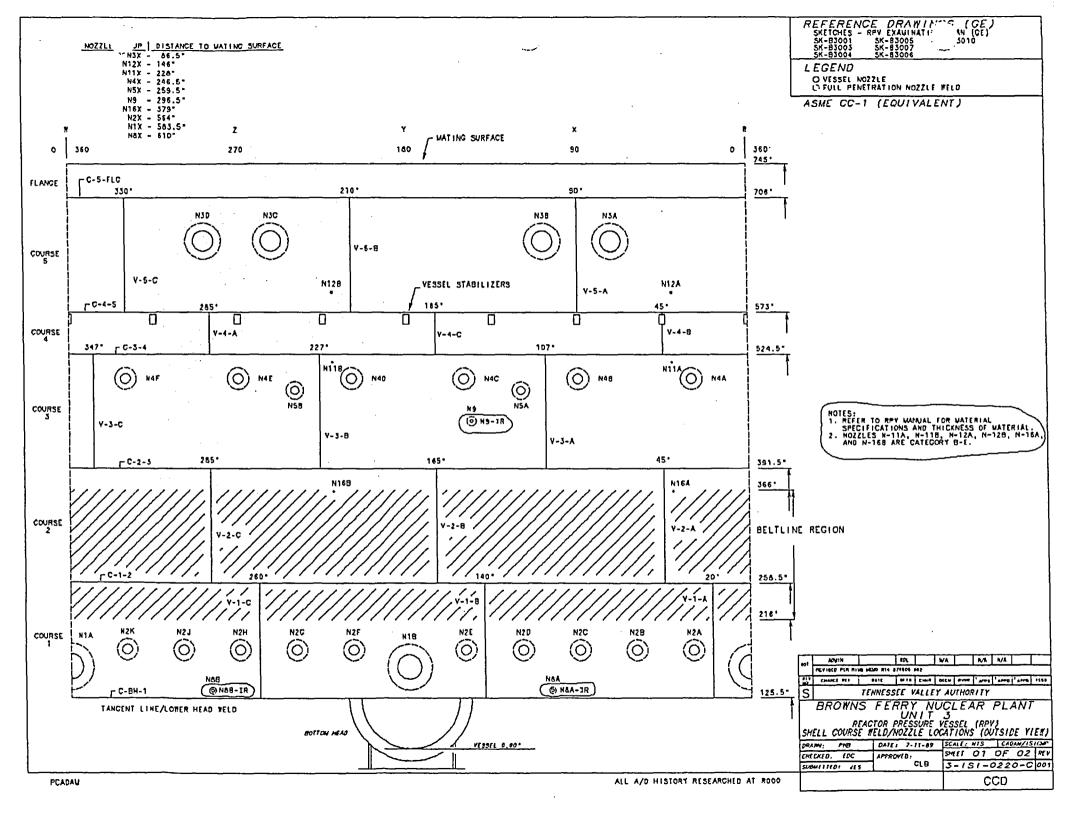
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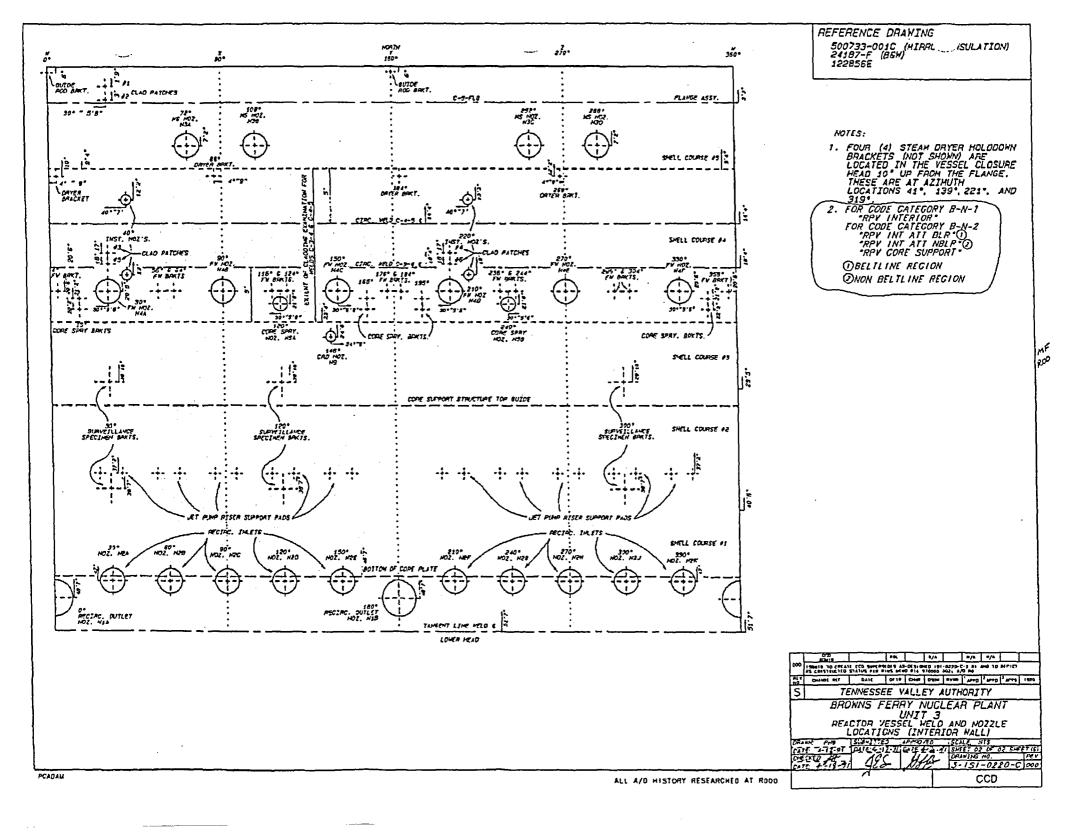
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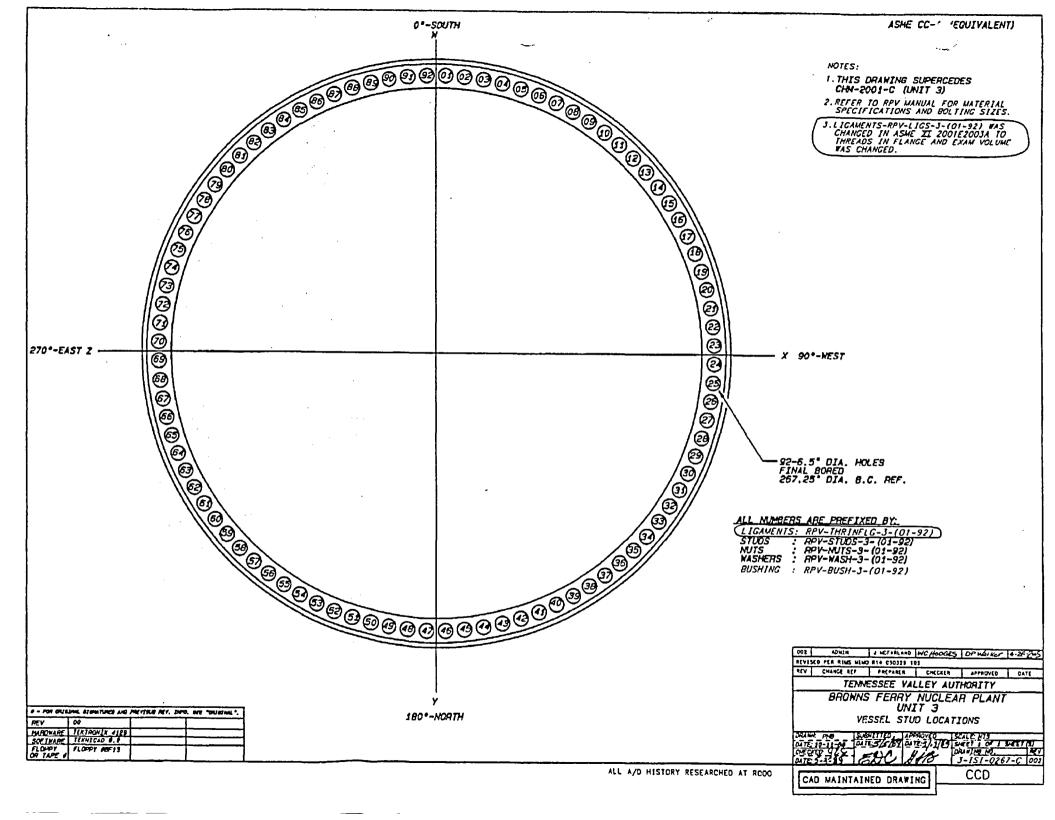
COMMERCIAL SERVICE DATE: MARCH 1, 1977

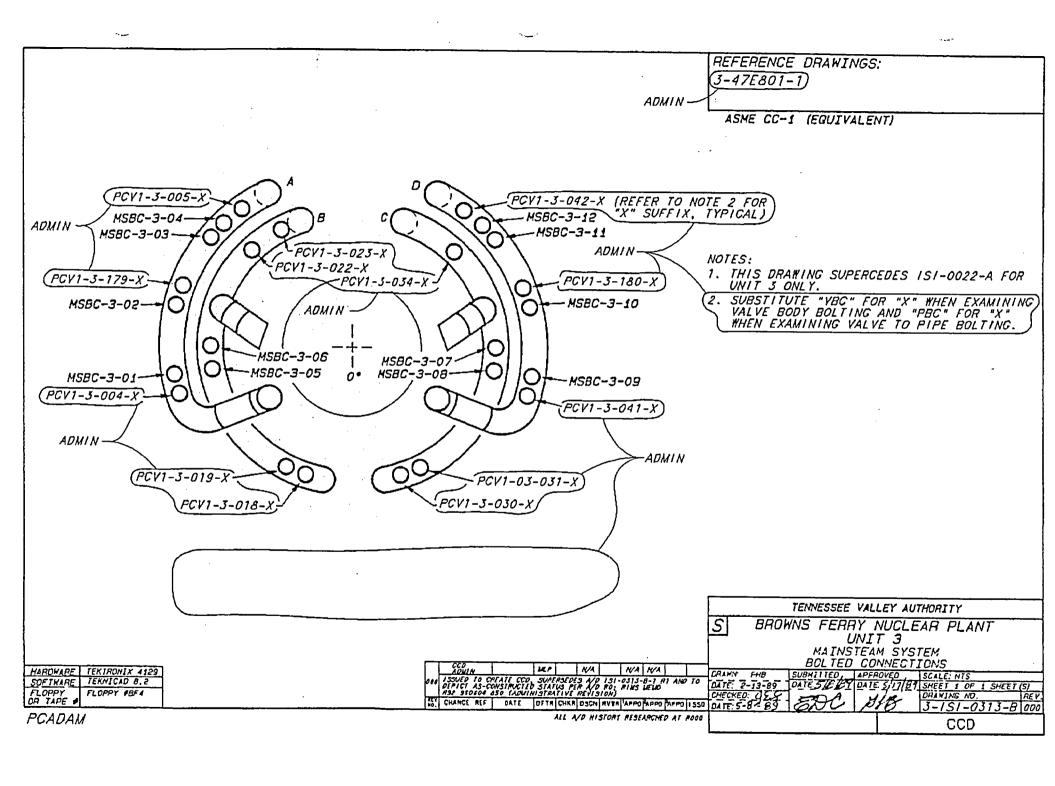
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

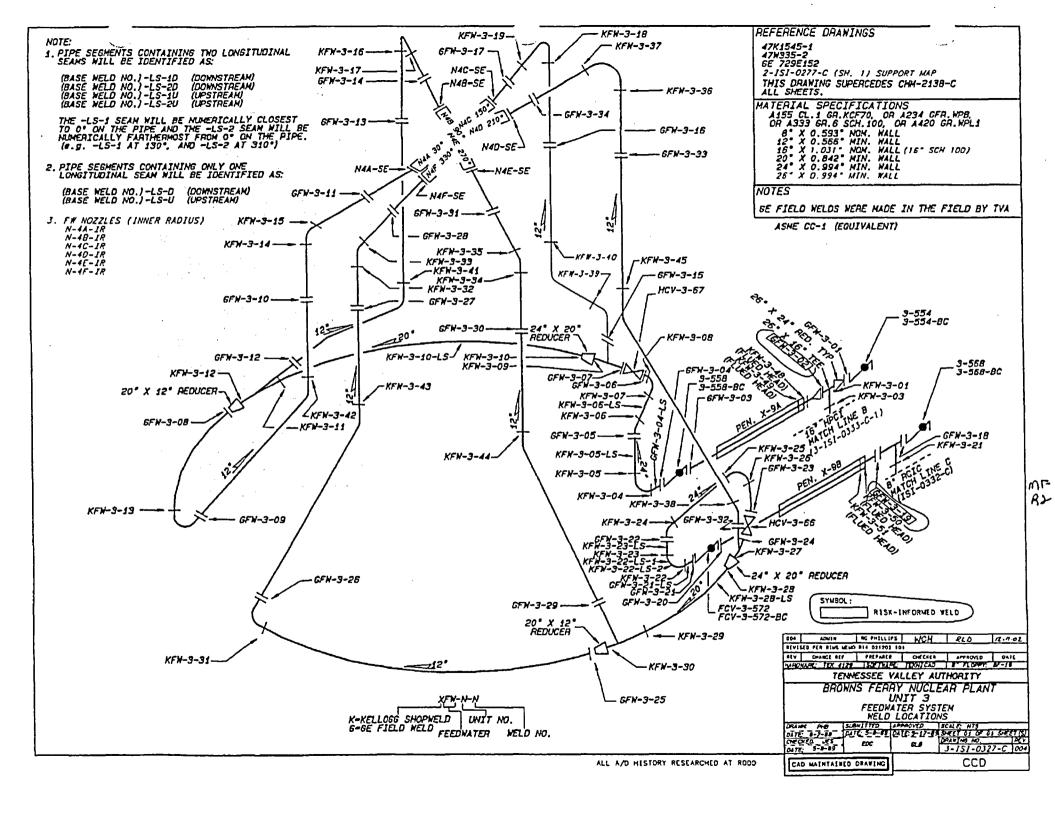
ISOMETRICS FOR COMPONENT LOCATIONS

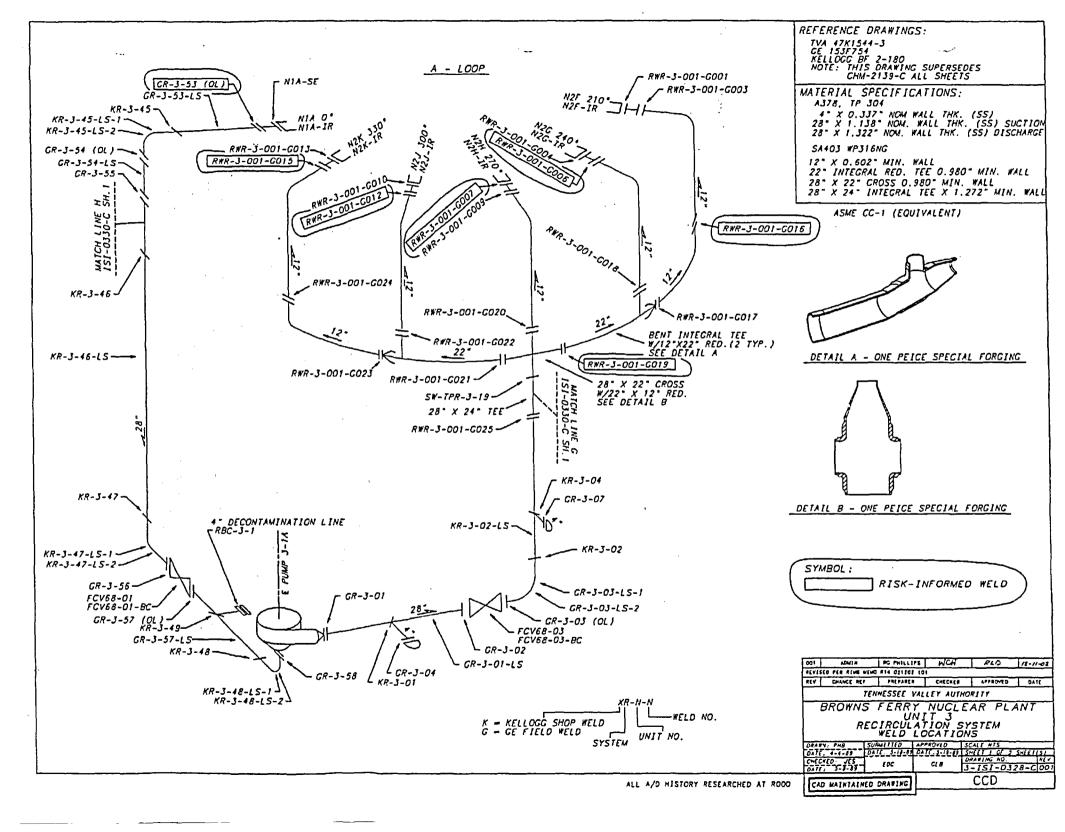


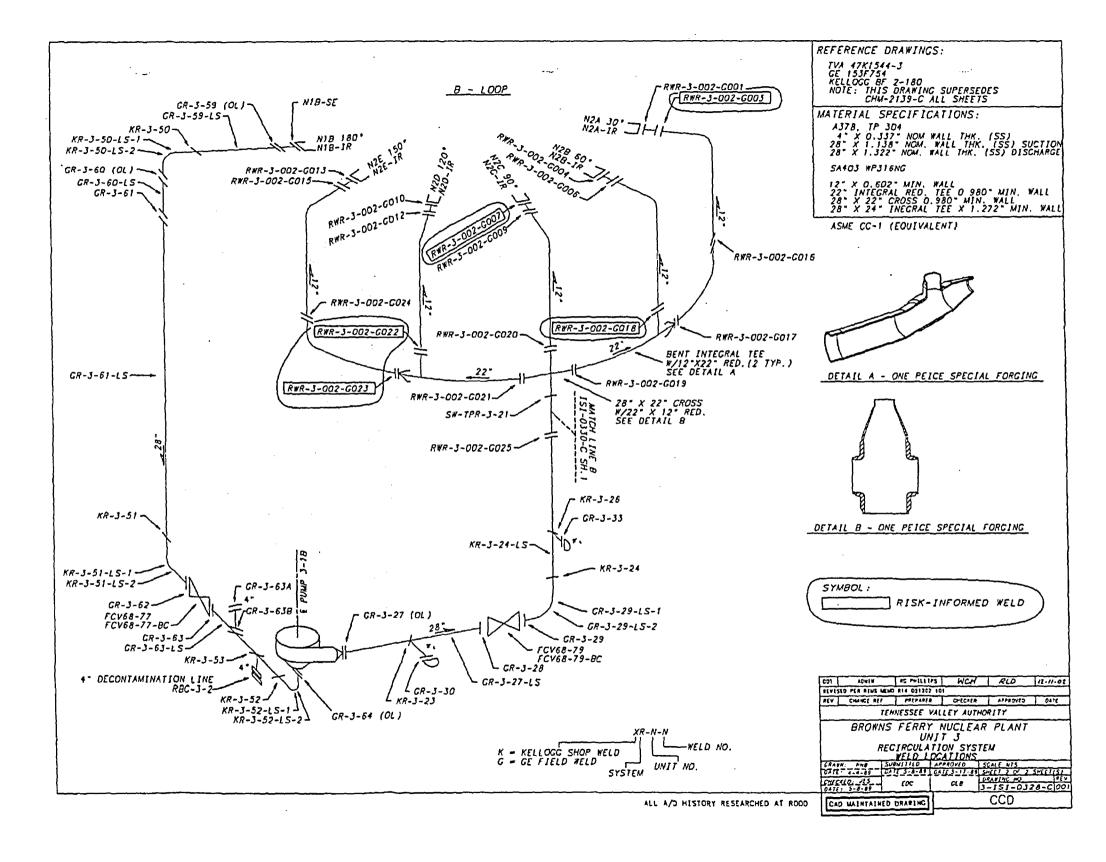


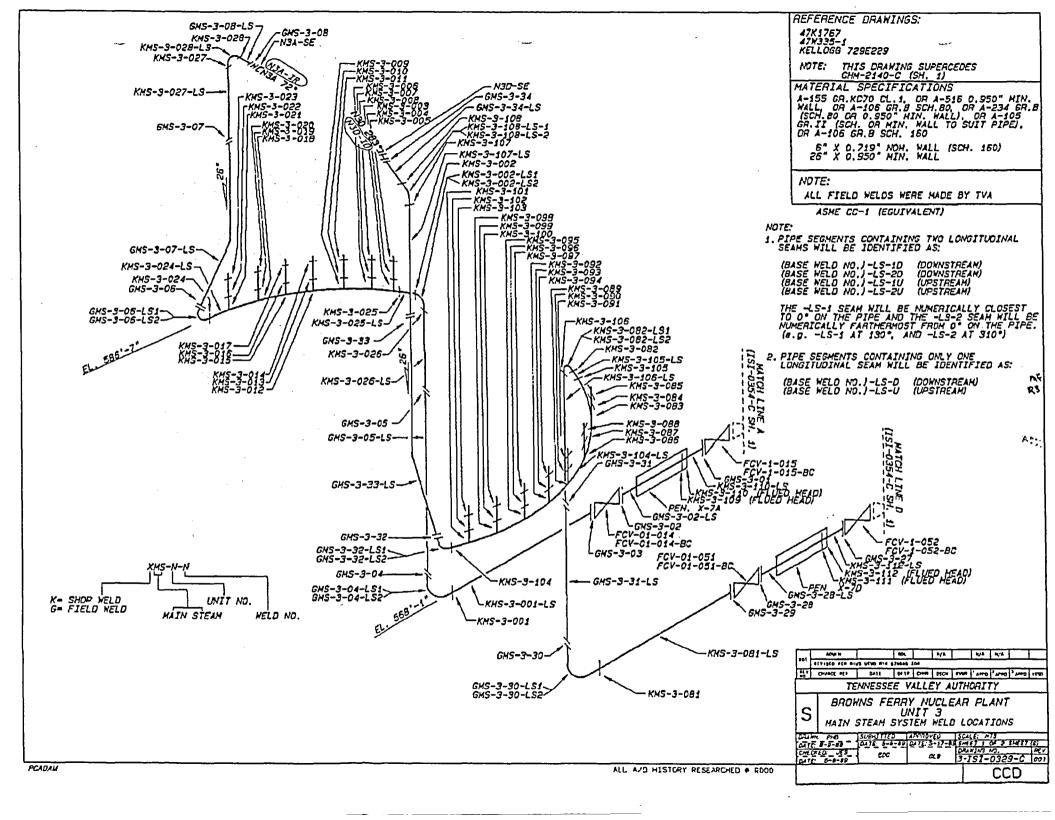


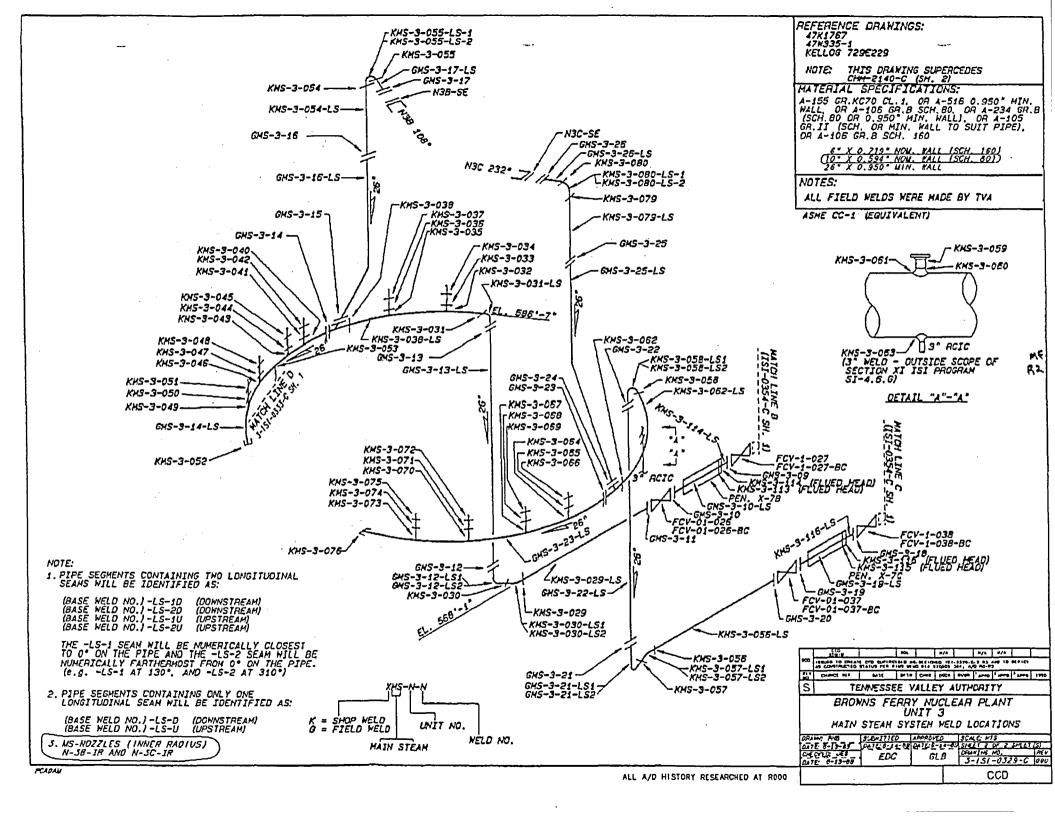


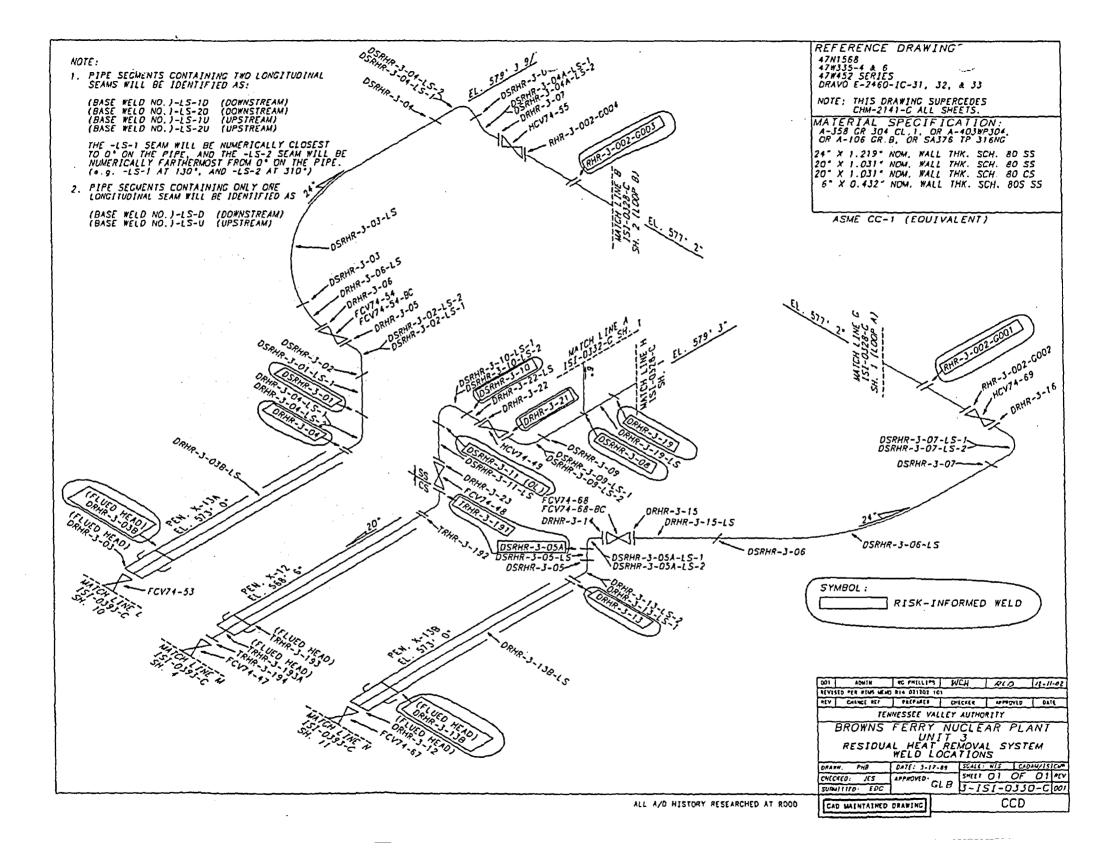


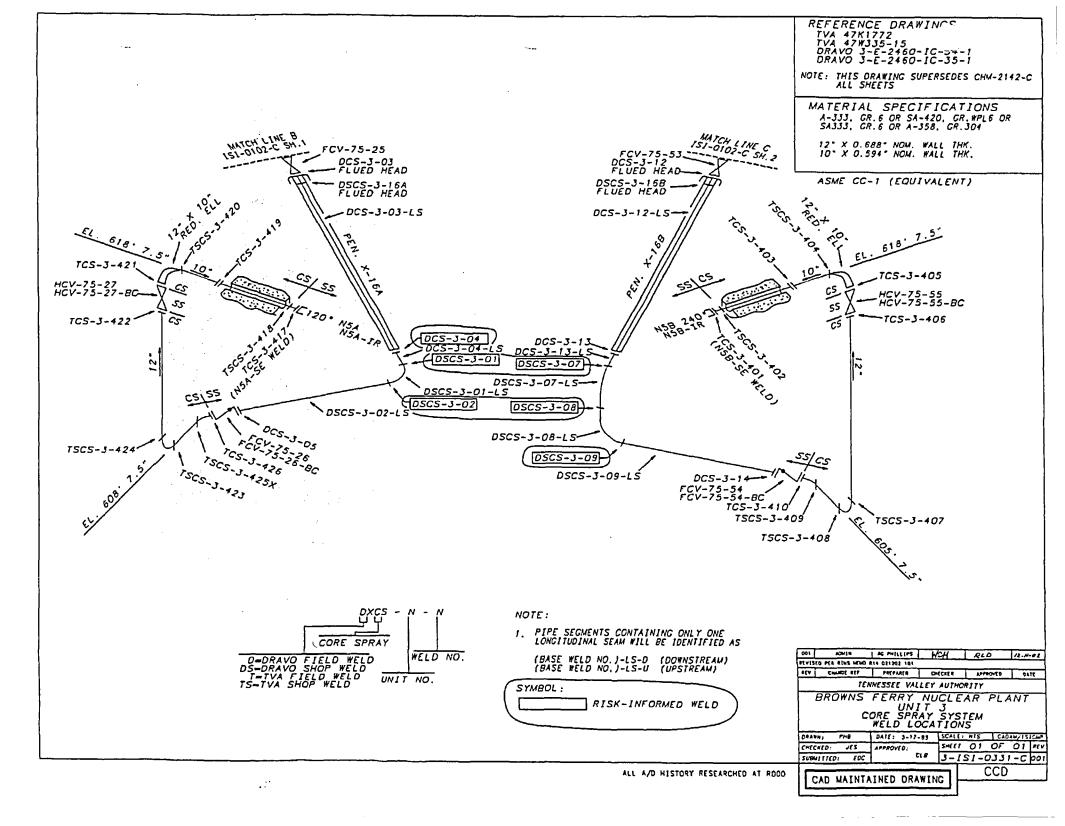


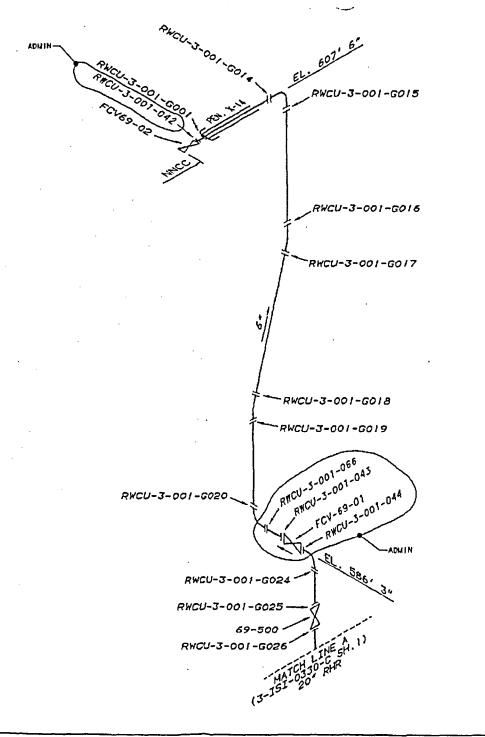












REFERENCE DRAWIL

RHCU-3-001 (TVA WELL MAP)

NOTE: THIS DRAWING SUPERSEDES A PORTION OF CHM-2144-C

MATERIAL SPECIFICATIONS

FITTINGS

6" SA403 WP316NG SCH. 80

PIPING

6" SA376 TP316NG SCH. 80

ASME CC-1 (EQUIVALENT)

PLD/H 10-29-98 000 CCD/ADMIN PGP JT ISSED TO CREATE CCD. SUPERSCOES A/D JS1-0332-C-1 FD3 AMD TO BEFICE AS-CONSTRUCTED STATUS FER A/D RD-R2; REVISED PER RIMS MEMO R21 941013 003 (ADMINISTRATIVE REVISION)

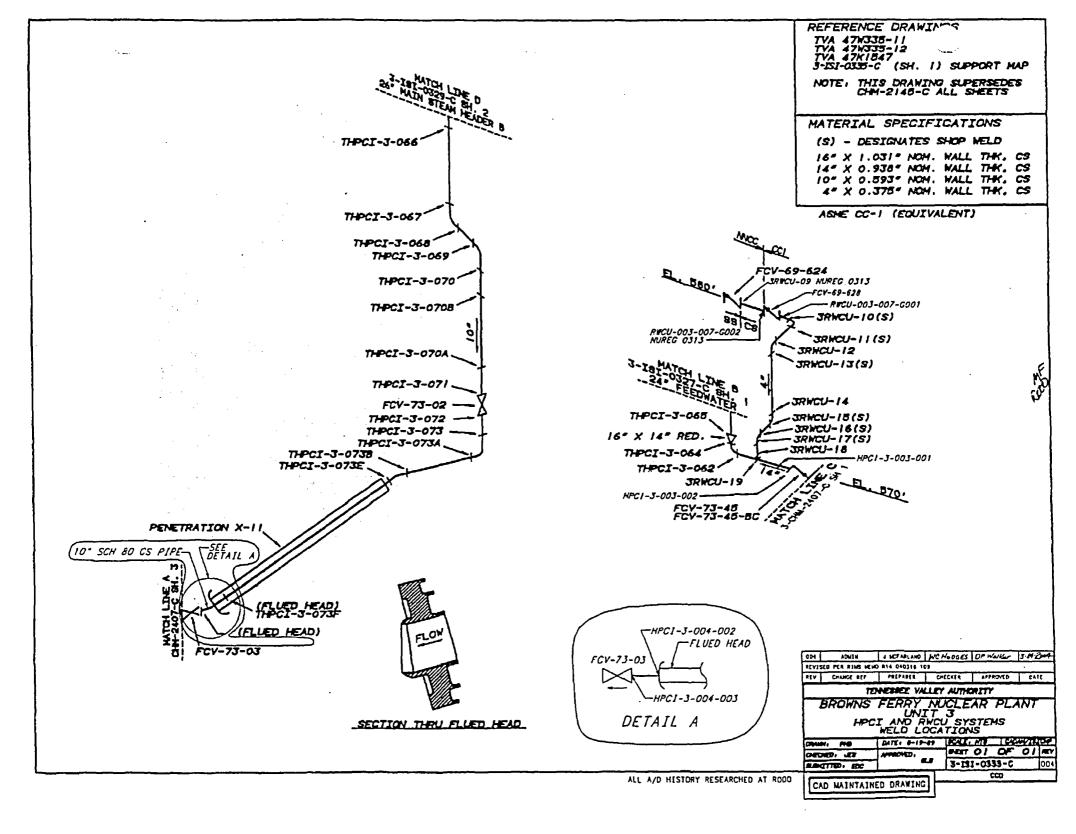
REV CHANGE REP PREPARER CHECKER APPROVED DATE

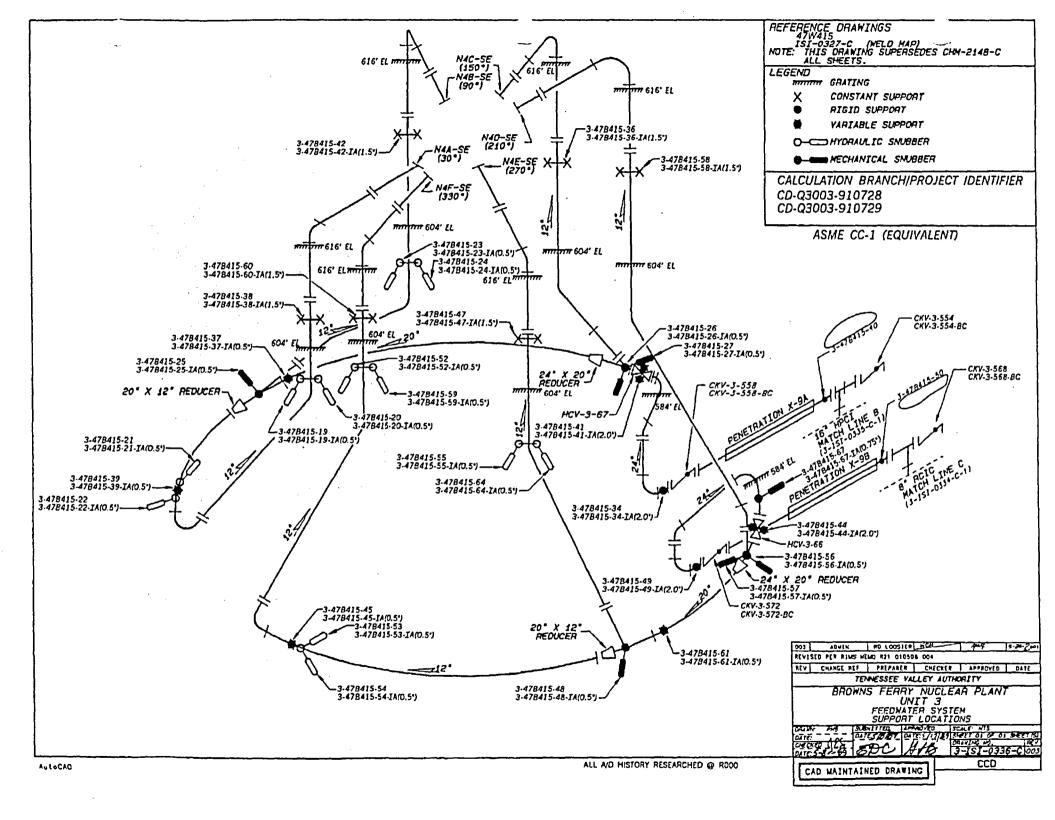
TENNESSEE VALLEY AUTHORITY

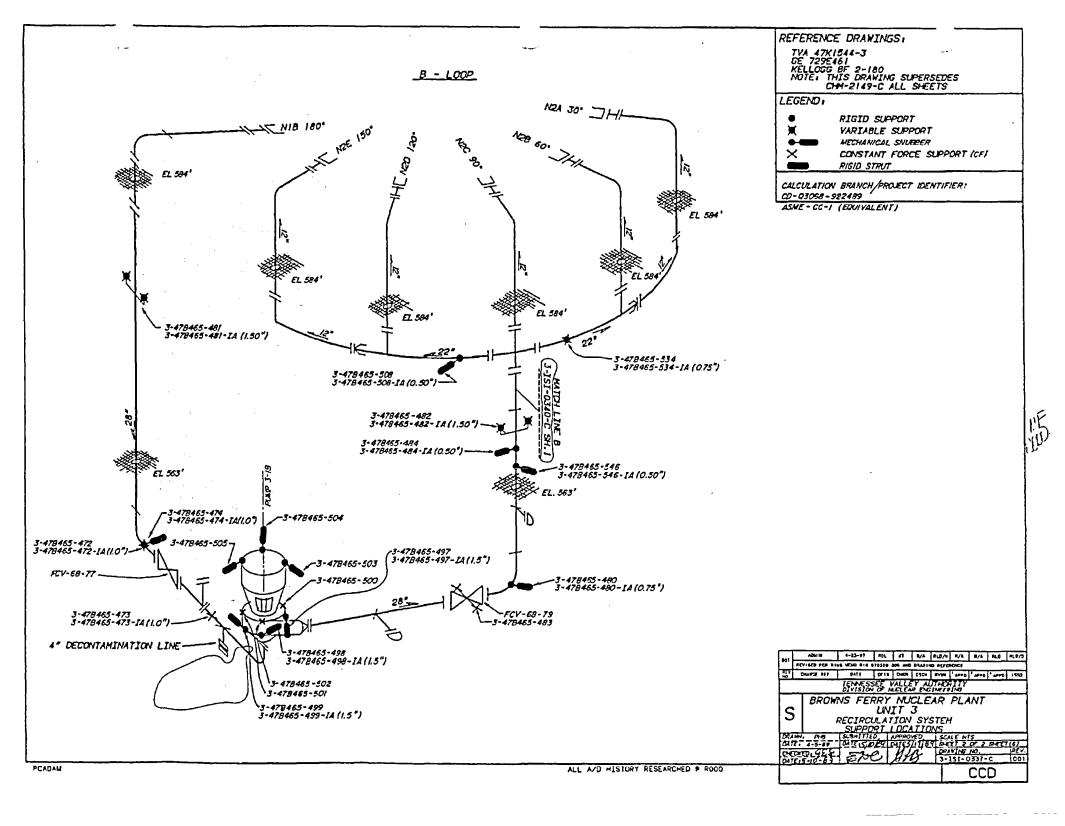
BROWNS FERRY NUCLEAR PLANT
UNIT 3
REACTOR WATER CLEAN UP, RCIC, AND CRD
WELD IDENTIFICATION

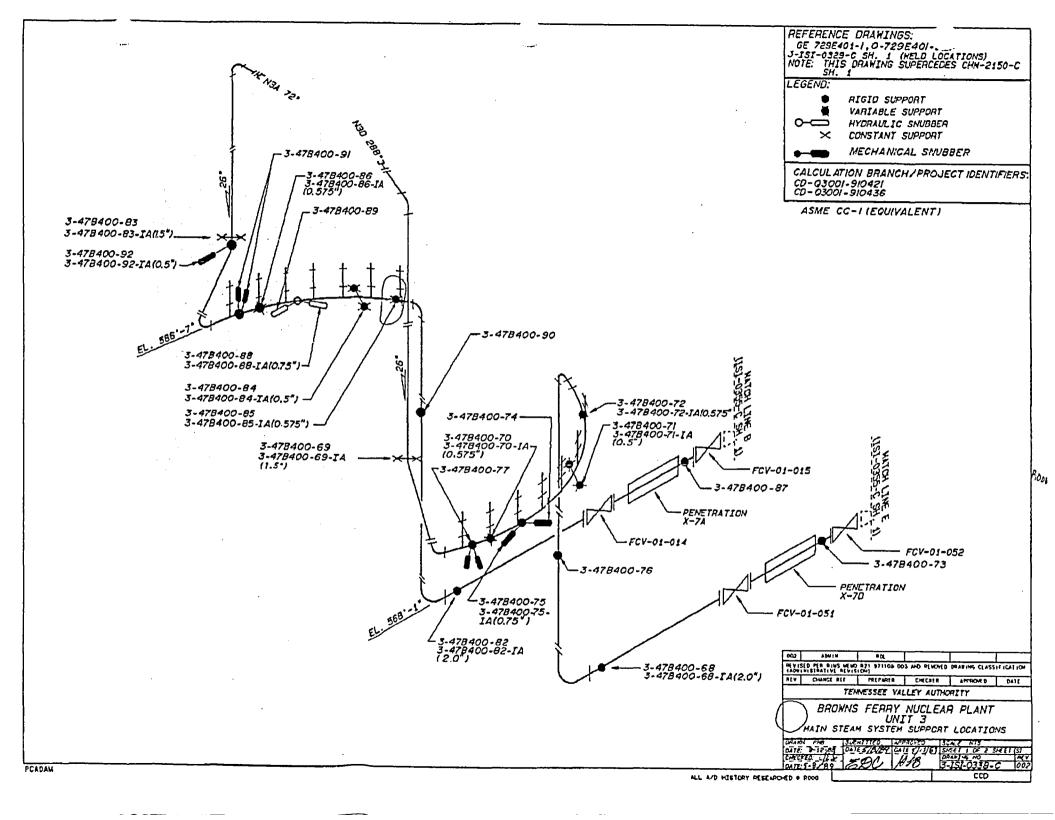
DRAMM, PHB CHECKED: JES SUBMITTED . EDC_

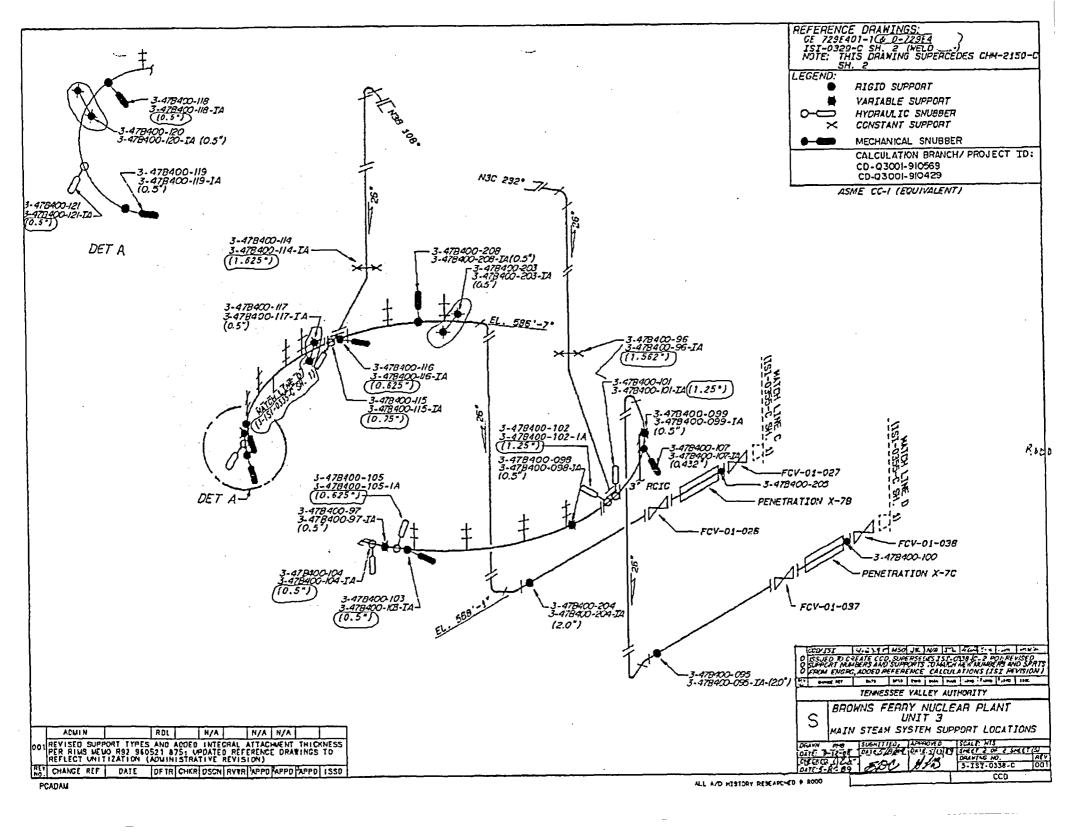
DATE: 8-17-89 SCALE: HTS CADAVIGICAP
APPROVED: SHEET OI OF O2 PEV 3-ISI-0332-C 000

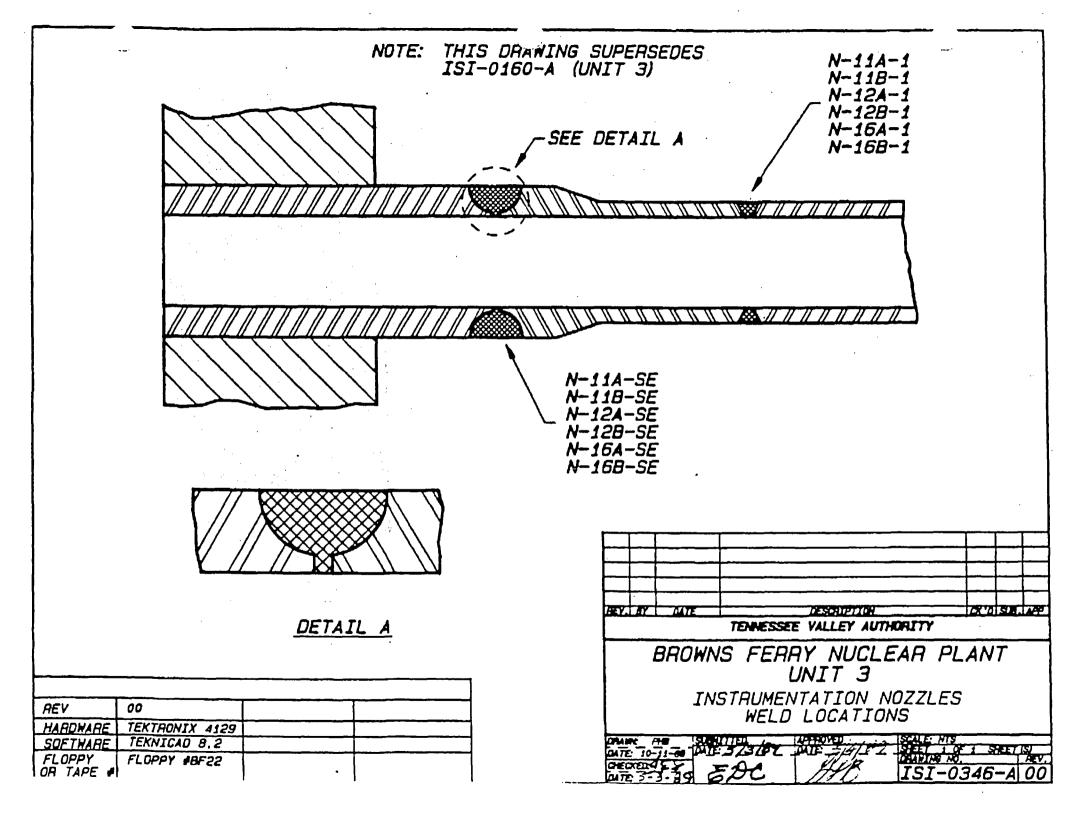


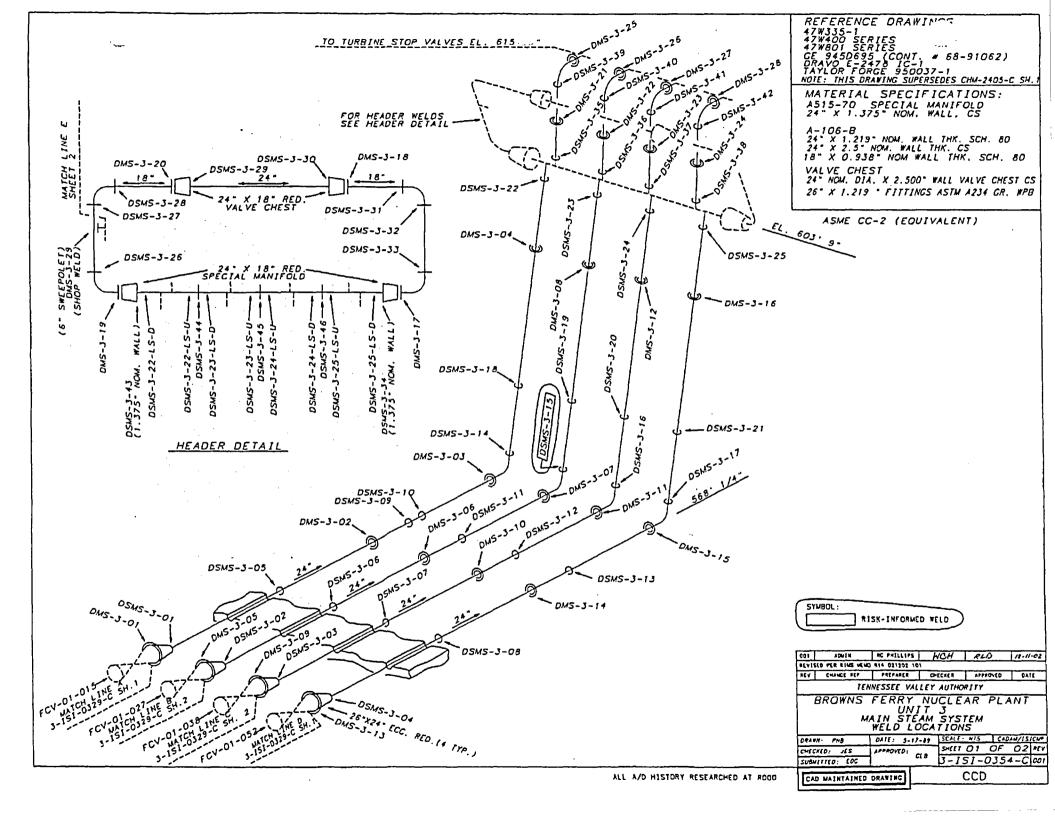


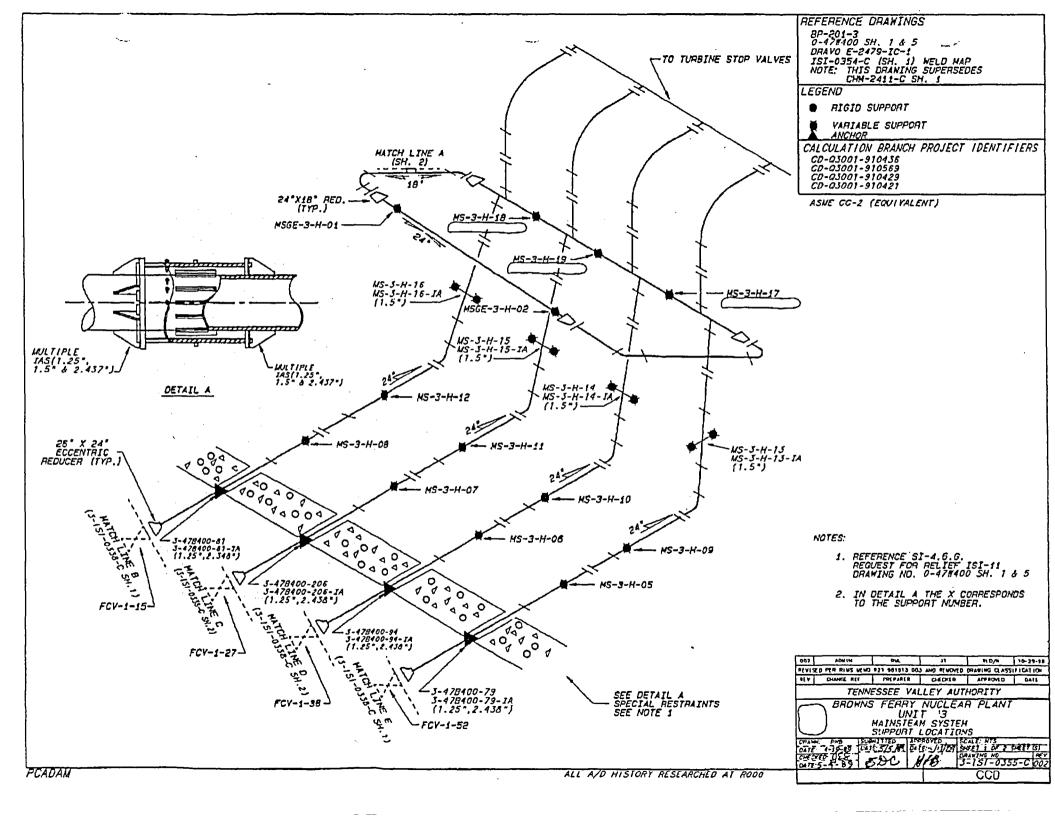


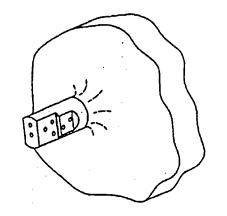












REFERENCE DRAWIN' 112D3838 GE (84P6 135271) 769E957 GE (84P64-535271) 135271) ISI-0220-C (NOZZLE LOCATIONS) RWR-3-003 (TVA WELD MAP) NOTE: THIS DRAWING SUPERSEDES

DATE: 2-28-92 SCALE, MTS CADAM/ISION

SHEET O1 OF OI PEY

3-151-0411-C 000

CCD

DRAWN: PHB

CHECKED! NPG

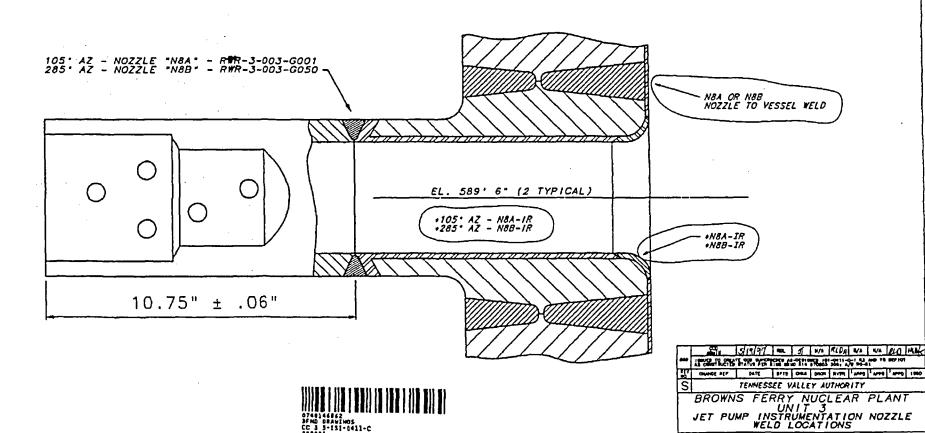
SUBWITTED: JES

APPROVED:

CL B

MATERIAL SPECIFICATIONS DISSIMILAR METAL WELD

ASME CC-1 (EQUIVALENT)



0740146862 3FMD DRAWINGS CC 3 3-151-0411-C 089001 951997 000

"CENTEDIAL"

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX VI SUMMARY OF INDICATIONS

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Summary of Indications

Indications detected during the performance of examinations for Browns Ferry Nuclear Plant Unit 3 Cycle 12 were evaluated in accordance with approved written procedures. Generally, examination results yielded either No Recordable Indications (NRI) or Recordable Indications.

Recordable Indications were evaluated to determine their origin. Indications determined to be of a geometric, metallurgical, or similar origin were typically dispositioned as non-relevant. Indications determined to be of a non-geometric, non-metallurgical, or similar origin were typically dispositioned as relevant. Such indications required additional measures such as further evaluation in accordance with ASME Section XI acceptance standards, engineering analysis, repair, or replacement.

NOI No.	Code	Component	Indication	Resolution	Additional
	Cat.	Identifier	Description		samples
U3C12-002	F-A	3-47B400-82	BOLT MISSING LOOSE	EVALUATED ACCEPTABLE	NOT
			BOLTING	(No Corrective Measures Required)	REQUIRED
U3C12-003	F-A	3-47B465-501	BENT AND	EVALUATED ACCEPTABLE	NOT
			DISTORTED	(No Corrective Measures Required)	REQUIRED
			STRUCTURAL STEEL		
U3C12-004	F-A	3-47B465-502	CONSTANT FORCE	EVALUATED ACCEPTABLE	NOT
			SUPPORT HOUSING	(No Corrective Measures Required)	REQUIRED
		<u> </u>	DENTED		
U3C12-008	F-A	3-47B465-500	SPRING CAN OUT OF	EVALUATED ACCEPTABLE	NOT
			SETTING RANGE	(No Corrective Measures Required)	REQUIRED
U3C12-012	B-G-2	CRDN-3-3055-BC	UPSET/RAISED METAL	NOT SERVICE INDUCED	NOT
		CRDN-3-4239-BC	ON HEAD OF BOLT	REPLACE BOLTS	REQUIRED
		CRDN-3-4647-BC		(No Corrective Measures Required)	
U3C12-015	F-A	MS-3-H-17	SPRING CAN OUT OF	EVALUATED ACCEPTABLE	NOT
			SETTING RANGE	(No Corrective Measures Required)	REQUIRED
			LOOSE BOLTING		
U3C12-019	F-A	MS-3-H-13	LOOSE BOLTING/NUT	EVALUATED ACCEPTABLE	NOT
			MISSING	(No Corrective Measures Required)	REQUIRED
U3C12-022	B-N-2	RPV -INT-NBLR	ABNORMAL WEAR OF	REPAIRED IN ACCORDANCE	EXAMINED
			PIN ON FEEDWATER	WITH DCN# 66546	ALL SIX (6)
			SPARGER END	•	FEEDWATER
			BRACKET AT 185'		SPARGERS

ADDITIONAL SAMPLES

None

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 1

SECTION 1

UNIT 3 CYCLE 12 AUGMENTED EXAMINATION SUMMARY

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

PLANT: BROWNS FERRY NUCLEAR PLANT

DECATUR, ALABAMA 35609-2000

1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

This section includes augmented examinations performed to comply with NRC or TVA self-imposed requirements. Typical sources include generic letters, IE Bulletins, technical specifications, vendor recommendations, and industry experience. The following summarizes the augmented examinations performed during the Unit 3 Cycle 12 Refueling Outage and references the corresponding paragraph in 3-SI-4.6.G.

<u>Paragraph 7.11.3 Augmented Examination of Austenitic Stainless Steel and Dissimilar Metal</u> Welds Susceptible to IGSCC (BWRVIP-75)

Austenitic stainless steel and dissimilar metal circumferential welds in piping four inches or larger in nominal pipe diameter which contain reactor coolant at temperatures above 200 degrees F during power operation shall be examined. There was no new IGSCC identified in Cycle 12.

Reference: BWRVIP-75

NUREG-0313 CATEGORY	TOTAL NUMBER OF WELDS	WELDS EXAMINED DURING U3/C12 Outage
Α	71	0
В	N/A	N/A
C	79	4
D	2	0
Е	10	3
F	N/A	N/A
G	2	2 (VT-2)

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Paragraph 7.11.4 Reactor Pressure Vessel Interior

Augmented examinations of the RPV interior components are performed in accordance with 0-TI-365, Revision 20, Reactor Pressure Vessel Internals Inspection (RPVII) Units 1, 2 and 3. This is also reported in a separate report to the BWRVIP Committee.

Core Spray Internals Visual Examinations: BWRVIP-18-A

- o Enhanced visual (EVT-1) examination of Piping T-Box Welds (Loops A and B) per BWRVIP-18-A No recordable indications.
- o EVT-1 examination of T-Box Repair Brackets, Arc Strike (117°), and Linear Indication (240°) No change.
- Ultrasonic (UT) examination of Downcomer B Elbow Welds per BWRVIP-18-A -No recordable indications.
- o UT examination of Downcomer A, B, D Sleeve Welds per BWRVIP-18-A No recordable indications.

Core Plate Bolts and Core Plate PlugsVisual Examinations: BWRVIP-25

- o VT-3 examination of Location 10 (Rim Holddown Bolts) performed per BWRVIP-25 for all 34 bolts - No recordable indications.
- o VT-3 examination of Location 13 (Core Plate Plugs) performed per BWRVIP-25 for all accessible plugs No loose plugs observed.

Core Shroud Welds - Ultrasonic (UT) Examinations: BWRVIP-76

- Horizontal Welds H1 thru H7 and Vertical Welds V5 & V6 to be reinspected (UT examination) per BWRVIP-76.
- Welds H6 and H7 were at the end of their 10-year reinspection interval. Due to mechanical and physical accessibility problems with the UT inspection equipment, inspected length (ONE-SIDED) of both the H6 (24.41 percent) and H7 (19.44 percent) Welds was less than the BWRVIP-76 mandated minimum of 50 percent. A plant-specific evaluation (Distributed Ligament Length (DLL) analysis) was completed for Welds H6 and H7 to demonstrate adequate structural margin exists for continued operation through the U3C13 Fuel Cycle.

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Core Shroud Welds - Ultrasonic (UT) Examinations (cont'd): BWRVIP-76

A deviation disposition has been prepared per BWRVIP-94 R1 and will be sent to the BWRVIP for documentation and distribution to other BWRVIP member utilities. In addition, a cover letter will be sent to the NRC notifying them of our deviation from BWRVIP guidelines.

- o Both Horizontal Welds H6 and H7 will require reinspection using a two-sided UT technique during the U3C13 Refueling Outage (RFO) in 2008.
- The inspection interval for Horizontal Welds H1 through H5 and Vertical Welds V6 & V7 mandates reinspection no later than the U3C13 RFO in 2008. Attempts were made during the U3C12 RFO to obtain coverage of these welds so as to avoid mobilization costs during the U3C13 RFO. Results are as follows:
 - Horizontal Weld H1: 75.62 percent examined (ONE-SIDED), 5.65 percent flawed per examined weld length
 - Horizontal Weld H2: 86.10 percent examined (ONE-SIDED), 1.28
 percent flawed per examined weld length
 - Horizontal Weld H3: Not examined this outage
 - Horizontal Weld H4: 15.92 percent examined (ONE-SIDED), 3.24 percent flawed per examined weld length
 - Horizontal Weld H5: Not examined this outage
 - Vertical Weld V6: Not examined this outage
 - Vertical Weld V7: Not examined this outage
- o Horizontal Welds H1 thru H5 will require reinspection using a two-sided UT technique during the U3C13 RFO in 2008.
- o Vertical Welds V6 and V7 will require reinspection using a one-sided UT technique during the U3C13 RFO in 2008.

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Steam Dryer Visual Examinations: BWRVIP- 139

- o VT-1 examination of Inner Bank Welds performed per BWRVIP-139 No recordable indications.
- o VT-1 examination of Original Dryer Stabilizer/Tie Bars per BWRVIP-139 No recordable indications.
- o VT-1 examination of Repaired Dryer Stabilizer/Tie Bars per BWRVIP-139 No recordable indications.

Jet Pump Visual Examinations: BWRVIP-41

o HOLDDOWN BEAMS:

- Baseline inspection per BWRVIP-41 R1 and BWRVIP-138.
- UT examination of holddown beam locations BB-1, BB-2, BB-3 for Jet Pumps 1 thru 20. No recordable indications.

RESTRAINER BRACKET ASSEMBLY:

- Reinspection per BWRVIP-41 R1.
- Visual (VT-1) examination of inlet-mixer wedge (Location WD-1) for Jet
 Pumps 1 thru 20. No recordable wedge wear observed.
- VT-1 examination of Set Screw Locations AS-1 and AS-2 performed for Jet Pumps 1 thru 20. Six set screw gaps identified, all over 15 mils in width. Auxiliary spring wedges installed for Jet Pumps 4, 7, 10, 16, 18, and 20.
- o EVT-1 examination of Riser Pipe Welds RS-1, RS-2, RS-3 per BWRVIP-41 R1 (Jet Pumps 11 thru 20) No recordable indications.
- o EVT-1 examination of Diffuser and Adapter Welds DF-2, AD-1, AD-2, AD-3a, AD-3b (Jet Pumps 11 thru 20) No recordable indications.
- EVT-1 examination of Riser Pipe Welds RS-8, RS-9 (Jet Pumps 1 and 2) due to
 INPO concerns with past examination quality (Reference: PER Action 75633-006)
 No recordable indications.
- o Visual (VT-3) examination of Riser Brace Repair Clamp (Jet Pumps 5 and 6) No change.

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

CRD Guide Tube Examinations: BWRVIP-47

- New baseline performed per BWRVIP-47 due to INPO concerns in obtaining an adequate visual examination for Locations CRGT-2 and CRGT-3 during the U3C12 Refueling Outage (Reference: PER Action 75633-003).
- o 13 Control Rod Guide Tubes examined.
- o VT-3 examination of Locations CRGT-1 and FS/GT-ARPIN-1 performed. EVT-1 examination of Locations CRGT-2 and CRGT-3 performed. No recordable indications.

Feedwater Sparger Examinations: NUREG-0619 and ASME section XI

- o VT-1 examination of Sparger Nozzles performed per NUREG-0619 (non-BWRVIP inspection) No recordable indications.
- During a ASME Section XI examination, abnormal wear from the retaining pin was noted on the upper slot of the feedwater sparger end bracket located on Sparger N-4 D, azimuth 185-235. The pin had worn into the slot located on the bracket shoulder and slipped down approximately one-half inch (this is approximately one-quarter inch farther than was noted during an examination performed during the U3C11 RFO in March 2004). Reference NOI# U3C12-022. GE-NE performed a one-cycle repair to justify continued operation through the U3C13 Fuel Cycle. A permanent repair will be performed during the U3C13 RFO in 2008.

Paragraph 7.11.5 Level Instrument Nozzle Safe-Ends BWRVIP-49 Examinations:

According to BWRVIP-49, "Instrument Penetration Inspection and Flaw Evaluation Guidelines", it is the intent that the inspection and evaluation guidelines be followed in place of any prior GE SIL (i. e. GE SIL-571) related to essential safety functions of the instrument penetrations. The BWRVIP-49 document follows ASME Section XI Code examinations, with no additional augmented BWRVIP examinations.

For commercial dependability, an ASME Section XI, IWB-2500, Code Category B-P, VT-2 examination for instrument penetrations shall be performed as an augmented examination. A VT-2 leakage inspection shall be performed of the safe end to nozzle weld during the drywell leakage test performed each outage. Insulation removal is not necessary to perform the leak check.

Examination Results: VT-2 examinations of Instrumentation Nozzle Safe-Ends N11A-SE, N11B-SE, N12A-SE, N12B-SE N16A-SE and N16B-SE revealed no leakage.

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PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Paragraph 7.11.6 Core Plate delta/P/Standby Liquid Control (SLC) Nozzle BWRVIP-27 Examinations:

According to BWRVIP-27, "BWR Standby Liquid Control System/Core Plate deltaP Inspection and Flaw Evaluation Guidelines", it is the intent that the inspection and evaluation guidelines be followed in place of any prior GE SIL (i. e. GE SIL-571) related to essential safety functions of the instrument penetrations. The BWRVIP-27 document follows ASME Section XI Code examinations, with no additional augmented BWRVIP examinations. For commercial dependability, an ASME Section XI, IWB-2500, Code Category B-P, VT-2 examination for instrument penetrations shall be performed as an augmented examination. A VT-2 leakage inspection shall be performed of the safe end to nozzle weld and safe end during the drywell leakage test performed each outage. Insulation removal is not necessary to perform the leak check.

Examination Results: VT-2 examinations of Instrumentation Nozzle Safe-End N10-SE revealed no leakage.

Paragraph 7.11.8 Weld Inspection For Pipe Whip Protection

Additional examinations shall be performed each inspection interval on selected circumferential pipe welds to provide additional protection against pipe whip in accordance with TSR 3.4.3.2. This TSR identifies the need to meet as closely as possible the requirements of ASME Section XI and NRC accepted alternatives. Therefore, examination volumes, examination methods, and acceptance standards for piping welds examined in accordance with TSR 3.4.3.2 should be similar to the RI-ISI Program. These examination criteria utilized for the RI-ISI Program is specified in Table 1, Examination Category R-A, Item No. R1.11 and R1.16 of Code Case N-577, with the more detailed provisions provided in WCAP-14572, Revision 1-NPA, "Westinghouse Owners Group Application Of Risk - Informed Methods To Piping Inservice Inspection Topical Report"

No examinations were performed this outage.

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

P.O. BOX 2000

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DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 1

SECTION 2

EXAMINATIONS PERFORMED DURING UNIT 3 CYCLE 12 OUTAGE

EXAM REQUIREMENTS 0TI365 B01-02

B02-02

B06-02

V01-02

OWNER: TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CYCLE: 12

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	N4D-FW-SPARG	3-ISI-0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	P	THIS CLEARS NOI# U3C12-022.
RPV	N4D-NV	3-ISI-0327-C-01 01	V01-02	B-D	B3.90	UT	BF-18	20060317	R-076	Р	54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00 30-9015396-00 PER# 96089, 99373, 99581
RPV	N4E-FW-SPARG	3-ISI-0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	Р	
RPV	N4E-NV	3-ISI-0327-C-01 01	V01-02	B-D	B3.90	UT	BF-18	20060317	R-077	P	54-ISI-850-03 SDCN# 30-5037583-000, 30-9011321-00 30-9015396-00 PER# 99123, 99581
RPV	N4F-FW-SPARG	3-ISF0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	Р	
RPV	RPV CORE PLATE	' ISI-0220-C-02	0T1365	N/A	N/A	EVT		20060313	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911- 03. CORE PLATE BOLTS
RPV	RPV CORE PLATE	ISI-0220-C-02	OT1365	N/A	N/A	VT-3		20060313	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV CRD GUIDE TUBES	ISI-0220-C-02	OT 1365	N/A	N/A	EVT		20060312	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV CRD GUIDE TUBES	ISI-0220-C-02	0TI365	N/A	N/A	VT-3		20060312	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV CS PIPING WELDS	ISI-0220-C-02	0T1365	N/A	N/A	EVT		20060313	R-057	Р	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV CS PIPING WELDS	ISI-0220-C-02	OT1365	N/A	N/A	UT		20060310	R057	P	*54-ISI-160-04
RPV	RPV CS PIPING WELDS	ISI-0220-C-02	0T1365	N/A	N/A	VT-3		20060313	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV JET PMP BEAMS	ISI-0220-C-02	OT1365	N/A	N/A	UT		20060313	R-057	Р	*54-ISI-159-07 SDCN# 30-5061633-000
RPV	RPV JET PMPS	ISI-0220-C-02	0TI365	N/A	N/A	EVT	N/A	20060313	R-057	P.	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-
RPV	RPV JET PMPS	ISI-0220-C-02	0T 1365	N/A	N/A	VT-1	N/A	20060313	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-0
RPV	RPV JET PMPS	ISI-0220-C-02	0T1365	N/A	N/A	VT-3		20060313	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-
RPV	RPV SHROUD WELDS	ISI-0220-C-02	OT1365	N/A	N/A	UT		20060315	R-057	. Р	*54-ISI-858-02. WELDS H-1, H-2, H-4, H-6 & H-7.
RPV	RPV STEAM DRYER	ISI-0220-C-02	OT 1365	N/A	N/A	VT-1	N/A	20060306	R-057	P	*54-ISI-363-02, SDCN'S# 30-5038911-02, 305038911-

COMMERCIAL SERVICE DATE: MARCH 1, 1977

EXAM REQUIREMENTS OWNER: TENNESSEE VALLEY AUTHORITY

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

0TI365 B01-02 B02-02

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

B06-02 V01-02

UNIT: THREE CYCLE: 12

NUCLEAR POWER GROUP

COMMERCIAL SERVICE DATE: MARCH 1, 1977

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exam Requirement	Category	. Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RECIR	GR-3-03(OL)	3-ISI-0328-C-01 01	B02-02	E	NU0313	UT	BF-83	20060303	R-029	Р	PROCEDURE PDI-UT-8, REV. E
RECIR	GR-3-27(OL)	3-ISI-0328-C-02 02	B02-02	E	NU0313	υτ	BF-83	20060303	R-029	P	PROCEDURE PDI-UT-78, REV. E
RECIR	GR-3-63	3-ISI-0328-C-02 02	B02-02	E	NU0313	UT	SIZING/W B85	20060306	R-031	P	3rd SUCCESSIVE EXAM. PROCEDURE PDI-UT-2 REV. C. ADDENDUM #1
RECIR	KR-3-02	3-ISI-0328-C-01 01	B02-02	С	NU0313	UT	ALTSS WB85	20060303	R-028	P	PROCEDURE PDI-UT-2, REV. C, ADDENDUM #1
RECIR	KR-3-24	3-ISI-0328-C-02 02	B02-02	С	NU0313	UT	ALTSS	20060302	R-027	P	PROCEDURE PDI-UT-2, REV. C, ADDENDUM #1
RHRS	DRHR-3-03B	3-ISI-0330-C-01 01	B02-02	G	NU0313	VT-2		20060319	R-068	P	
RHRS	DRHR-3-13B	3-ISI-0330-C-01 01	B02-02	G	NU0313	VT-2		20060319	R-068	P	
RHRS	DSRHR-3-01	3-ISI-0330-C-01 01	B02-02	С	NU0313	UΤ	ALTSS/W B85	20060309	R-051	P	
RHRS	DSRHR-3-08	3-ISI-0330-C-01 01	B02-02	С	NU0313	UT	ALTSS/W B85	20060310	R-056	Р	
RPV	N10-SE	ISI-0445-C-01 01	B06-02	BWRVIP- 27	N/A	VT-2		20060319	R-068	Р	•
RPV	N11A-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	Р	
RPV	N11B-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	Р	
RPV	N12A-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	Р	
RPV	N12B-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	P	
RPV	N16A-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	Р	
RPV	N16B-SE	3-ISI-0346-C-01	B06-02	BWRVIP- 49	N/A	VT-2		20060319	R-068	Р	
RPV	N4A-FW-SPARG	3-ISI-0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	Р	
RPV	N4B-FW-SPARG	3-ISI-0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	Р	
RPV	N4B-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20060309	R-084	. Р	
RPV	N4C-FW-SPARG	3-ISI-0220-C-02	B01-02	NU0619	N/A	VT-1			R-057	Р	
RPV	N4C-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20060309	R-086	P	

PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

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DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 2

BFN IWE - CONTAIMENT INSERVICE INSPECTION **PROGRAM**

Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 3 CYCLE 12 REFUELING OUTAGE CONTAINMENT INSERVICE INSPECTION (CISI) SCAN PLAN REV 000

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage CISI Scan Plan, Revision 000, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, Subsection IWE, 1992 Edition and 1992 Addenda.

This document was prepared by D. Kelvin Green of BFN Components Engineering and forwarded to Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO) as notification of work scope.

D. Kelvin Green

BFN Components Engineering

Matthew C. Welch

BFN ISO, NDE Level III

BFN ISO, NDE Specialist - ISI

Concurrence

cc: R. K. Golub, SAB-1B, BFN

M. L. Turnbow, STC-11, SQN

Revision 0
01/31/2006
Total Examinations: 98

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT UNIT 3 IWE EXAMS SCHEDULED FOR CYCLE 12

CYCLE ITEMNO CATEGORY EXREO SYSTEM WELDNO ISONO EXSCIID NDEPROC SCV DW FLG-3-1 BFN-CISI-012-(1-3) 12 E8.10 E-G 92E-92 VT-1 N-VT-15 SCV DW HD-3-1 BFN-CISI-012-(1-3) 12 E1,11 E-A 92E-92 VT-GEN 3-TI-173 scv DW HD-3-1 BFN-CISI-012-(1-3) E1.12 VT-3 N-VT-15 12 E-A 92E-92 SCV **DW LNR-3-1** 3-719E532-4 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SCV DW LNR-3-1 3-719E532-4 E1.12 VT-3 12 92E-92 N-VT-15 E-A SCV **DW LNR-3-2** BFN-CISI-010&11 . 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SCV **DW LNR-3-2** BFN-CISI-010&11 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV **DW LNR-3-3** BFN-CISI-010&11 E1,11 E-A 92E-92 12 VT-GEN 3-TI-173 SCV **DW LNR-3-3** BFN-CISI-010&11 E1.12 12 E-A 92E-92 VT-3 N-VT-15 SCV **DW LNR-3-4** BFN-CISI-010&11 E1.11 12 E-A 92E-92 VT-GEN 3-TI-173 SCV **DW LNR-3-4** BFN-CISI-010&11 12 E1,12 E-A 92E-92 VT-3 N-VT-15 scv **DW LNR-3-5** BFN-CISI-010&11 Ė1.11 12 E-A 92E-92 VT-GEN 3-TI-173 SCV **DW LNR-3-5** BFN-CISI-010&11 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV **DW LNR-3-6** BFN-CISI-010&11 12 E1,11 92E-92 E-A VT-GEN 3-T1-173 SCV **DW LNR-3-6** BFN-CISI-010&11 E1.12 12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-1 BFN-CISI-002-1 12 E1,11 E-A 92E-92 VT-GEN 3-TI-173 SCV ECCS RH 3-1 BFN-CISI-002-1 12 E1,12 E-A 92E-92 VT-3 N-VT-15 SCV **ECCS RH 3-10** BFN-CISI-002-1 E1,11 12 E-A 92E-92 VT-GEN 3-TI-173 scv **ECCS RH 3-10** BFN-CISI-002-1 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV **ECCS RH 3-11** BFN-CISI-002-1 12 E1.11 92E-92 E-A VT-GEN 3-TI-173 SCV **ECCS RH 3-11** BFN-CISI-002-1 12 E1.12 92E-92 E-A VT-3 N-VT-15 SCV ECCS RH 3-12 BFN-CISI-002-1 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SCV ECCS RH 3-12 BFN-CISI-002-1 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV **ECCS RH 3-13** E1.11 BFN-CISI-002-1 12 92E-92 E-A VT-GEN 3-TI-173 SCV **ECCS RH 3-13** BFN-CISI-002-1 12 E1,12 92E-92 VT-3 N-VT-15 E-A

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SYSTEM	WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
scv	ECCS RH 3-14	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
SCV	ECCS RH 3-14	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	ECCS RH 3-15	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-15	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	ECCS RH 3-16	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-16	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-2	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-2	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-3	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-3	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-4	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-4	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-5	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-5	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	ECCS RH 3-6	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
SCV	ECCS RH 3-6	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	ECCS RH 3-7	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-7	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-8	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-8	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-9	BFN-CISI-002-1	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	ECCS RH 3-9	BFN-CISI-002-1	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	MSB-3-1	41N1015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	MSB-3-2	41N1015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	MSB-3-3	41N1015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-10A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-10A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-11A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173

SYSTEM	WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
scv	PSC INT 3-B-11A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-12A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-12A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-13A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-13A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv .	PSC INT 3-B-14A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-14A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-15A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-15A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-16A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-16A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-1A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-1A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-2A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-2A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-3A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-3A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-4A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-4A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-5A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-5A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-6A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-6A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-7A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-7A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-8A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173
scv	PSC INT 3-B-8A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	PSC INT 3-B-9A	BFN-CISI-007	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173

SORT ORDER: SYSTEM-WELDNO

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SYSTEM	M WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCIID	NDEPROC	12.24
scv	PSC INT 3-B-9A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-1A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-1A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-2A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-2A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-3A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-3A	BFN-CISI-017&18	. 12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-4A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-Tİ-173	
scv	VNT HDR-3-4A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
SCV	VNT HDR-3-5A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-5A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-6A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-6A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-7A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
scv	VNT HDR-3-7A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	
scv	VNT HDR-3-8A	BFN-CISI-017&18	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	
SCV	VNT HDR-3-8A	BFN-CISI-017&18	12	E1.20	E-A	92E-92	VT-3	N-VT-15	

SORT ORDER: SYSTEM-WELDNO
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Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 12 REFUELING OUTAGE CONTAINMENT INSERVICE INSPECTION (CISI) SCAN PLAN REV 001

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage CISI Scan Plan, Revision 001, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, Subsection IWE, 1992 Edition and 1992 Addenda.

This document was prepared by D. Kelvin Green of BFN Components Engineering and forwarded to Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO) as notification of work scope.

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Revision 1 03/01/2006

Total Examinations: 52

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT UNIT 3 IWE EXAMS SCHEDULED FOR CYCLE 12

SYSTEM	I WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	
scv	DW FLG-3-1	BFN-CISI-012	12	E8.10	E-G	92E-92	VT-1	N-VT-15	
scv	DW HD-3-1	BFN-CISI-012	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	DW LNR-3-1	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	DW LNR-3-2	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	DW LNR-3-3	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	DW LNR-3-4	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3 .	N-VT-15	
scv	DW LNR-3-5	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	DW LNR-3-6	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-1	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-10	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-11	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-12	BFN-CISI-002	. 12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-13	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-14	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-15	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
SCV	ECCS RH 3-16	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-2	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-3	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-4	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-5	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-6	BFN-CISI-002	12 .	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-7	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-8	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	ECCS RH 3-9	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15	
scv	GEN-VTE	3-47E872-1-ISI	12	E1.11	E-A	92E-92	VT-GEN	3-TI-173	

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SYSTEM	WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
scv	MSB-3-1	BFN-CISI-015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	MSB-3-2	BFN-CISI-015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	MSB-3-3	BFN-CISI-015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-10A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-11A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-12A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-13A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-14A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-15A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15 .
scv	PSC INT 3-B-16A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-1A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-2A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	PSC INT 3-B-3A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-4A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-5A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-6A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-7A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	PSC INT 3-B-8A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-9A	BFN-CISI-007	12	E1.12.	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-1A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-2A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
SCV	VNT HDR-3-3A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
SCV	VNT HDR-3-4A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-5A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
SCV	VNT HDR-3-6A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-7A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-8A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15

SORT ORDER: SYSTEM-WELDNO

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Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 12 REFUELING OUTAGE CONTAINMENT INSERVICE INSPECTION (CISI) SCAN PLAN REV 002

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage CISI Scan Plan, Revision 002, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, Subsection IWE, 1992 Edition and 1992 Addenda.

This document was prepared by D. Kelvin Green of BFN Components Engineering and forwarded to Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO) as notification of work scope.

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M. L. Turnbow, STC-11, SQN

Revision 2 03/06/2006

Total Examinations: 67

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR POWER PLANT UNIT 3 IWE EXAMS SCHEDULED FOR CYCLE 12

SYSTEM	M WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
scv	DW HD-3-1	BFN-CISI-012	12	E1.12	E-A	92E-92	VT-3	N-VT-15
SCV	DW LNR-3-1	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	DW LNR-3-2	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	DW LNR-3-3	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	DW LNR-3-4	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	DW LNR-3-5	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	DW LNR-3-6	BFN-CISI-008-2	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-1	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-10	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-11	BFN-CISI-002	- 12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-12	BFN-CISI-002	12	E1.12	E-A	92E-92	· VT-3	N-VT-15
scv	ECCS RH 3-13	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-14	BFN-CISI-002	_: 12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-15	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-16	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-2	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-3	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-4	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-5	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-6	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-7	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-8	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	ECCS RH 3-9	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	GEN-VTE	3-47E872-1-ISI	12	E1.11	E-A	92E-92	VT-GEN	'3-TI-173
scv	MSB-3-1	BFN-CISI-015	12	E5.30	E-D	92E-92	VT-3	N-VT-15

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SYSTEM	WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
scv	MSB-3-2	BFN-CISI-015	12	E5.30	E-D	92E-92	VT-3	N-VT-15
scv	MSB-3-3	BFN-CISI-015	12	E5.30	E-D	92E-92	. A1-3	N-VT-15
scv	PSC INT 3-B-10A	BFN-CISI-007	12	E1.12	E-A	92E-92	. VT-3	N-VT-15
scv	PSC INT 3-B-11A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-12A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-13A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-14A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-15A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-16A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-1A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-2A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-3A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-4A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-5A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-6A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-7A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC INT 3-B-8A	BFN-CISI-007	12	E1.12	E-A	92E-92	. AL-3	N-VT-15
scv	PSC INT 3-B-9A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-1	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-8-10	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-11	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-12	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-13	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-14	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-15	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-16	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-2	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-3	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15

SYSTEM	WELDNO	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC
SCV	PSC MVH 3-B-4	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-5	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-6	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-7	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-8	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	PSC MVH 3-B-9	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-1A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-2A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-3A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-4A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-5A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-6A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-7A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15
scv	VNT HDR-3-8A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15

SORT ORDER: SYSTEM-WELDNO

Sam Flood, ANI/ANII, PEC-1C, BFN

BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 12 REFUELING OUTAGE CONTAINMENT INSERVICE INSPECTION (CISI) SCAN PLAN REV 003

Attached for your review is the BFN Unit 3 Cycle 12 Refueling Outage CISI Scan Plan, Revision 003, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, Subsection IWE, 1992 Edition and 1992 Addenda.

This document was prepared by D. Kelvin Green of BFN Components Engineering and forwarded to Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO) as notification of work scope.

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M. L. Turnbow, STC-11, SQN

Revision 003 04/10/2006

TENNESSEE VALLEY AUTHORITY **BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3** IWE EXAMS SCHEDULED FOR CYCLE 12

SYSTEM	COMPONENT	ISONO	CYCI.E	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
scv	DW HD-3-1	BFN-CISI-012	12	E1,12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR 3-1A	BFN-CISI-006	12	E1.12	E-A	92E-MS	VT-3	N-VT-15					
scv	DW LNR-3-1	BFN-CISI-008-2	12	E1,12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR-3-1	BFN-CISI-008-2	12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	DW LNR-3-2	BFN-CISI-008-2	2 12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR-3-2	BFN-CISI-008-2	2 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	DW LNR-3-3	BFN-CISI-008-2	2 12	E1,12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR-3-3	BFN-CISI-008-2	2 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	DW LNR-3-4	BFN-CISI-008-	2 12	E1.12	E-A	92E-92	VT-3	N-VT-15					
SCV	DW LNR-3-4	BFN-CISI-008-	2 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	DW LNR-3-5	BFN-CISI-008-	2 12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR-3-5	BFN-CISI-008-	2 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	DW LNR-3-6	BFN-CISI-008-	2 12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	DW LNR-3-6	BFN-CISI-008-	2 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	ECCS RH 3-1	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15			•		
scv	ECCS RH 3-10	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	ECCS RH3-11	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
SCV	ECCS RH 3-12	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15			•		
scv	ECCS RH 3-13	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					•
scv	ECCS RH 3-14	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	ECCS RH 3-15	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	ECCS RH 3-16	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	ECCS RH 3-2	BFN-CISI-002	12	E1.12	E-A	92E-92	VT-3	N-VT-15					

SORT ORDER: SYSTEM-COMPONEN SORT ORDER: SYSTEM-COMPONEN

SCV ECGS RH3-3 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-4 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-5 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-6 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-7 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-8 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECGS RH3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GCS RH3-9 BFN-CISI-002 12 E5.11 E-A 92E-92 VT-3 N-VT-15 SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92
SCV ECCS RH3-5. BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH3-6 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH3-7 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH3-8 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-3 N-VT-15 SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-046 12 E1.12 E-A P92-01 <
SCV ECCS RH 3-6 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-7 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-8 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-3 N-VT-15 SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-043 12 N/A N/A 92E-92
SCV ECCS RH 3-7 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-8 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-3 N-VT-15 SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01
SCV ECCS RH 3-8 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV ECCS RH 3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SHL SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P
SCV ECCS RH3-9 BFN-CISI-002 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SHL SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-007 12 E1.12 E-A 9
SCV GEN-VTE 3-47E872-1-ISI 12 E1.11 E-A 92E-92 VT-GEN 3-TI-173 SHL SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 N/A N/A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A <t< td=""></t<>
SCV MSB-3-1 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV MSB-3-2 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV MSB-3-3 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV MSB-3-3 BFN-CISI-015 12 E5.30 E-D 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 N/A N/A 92E-CV VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PEN 3-X-35F BFN-CISI-043 12 E1.12 E-A 92E-92 VT-3 N-VT-15 SCV PEN 3-X-35F BFN-CISI-043 12 N/A N/A 92E-CV VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PEN 3-X-35F BFN-CISI-043 12 N/A N/A 92E-CV VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PEN 3-X-48 BFN-CISI-046 12 E1.12 E-A P92-01 VT-3 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PEN 3-X-48 BFN-CISI-046 12 E8.10 E-G P92-01 VT-1 N-VT-15 SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PEN 3-X-48 BFN-CISI-046 12 E9.10 E-P P92-01 VT-1 N-VT-15 SCV PSC INT 3-B-10A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-10A BFN-CISI-007 12 E1,12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-11A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-12A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-13A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-14A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-15A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-16A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-1A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-2A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15
SCV PSC INT 3-B-3A BFN-CISI-007 12 E1.12 E-A 92E-92 VT-3 N-VT-15

SORT ORDER: SYSTEM-COMPONEN SORT ORDER: SYSTEM-COMPONEN

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SYSTEM	COMPONENT	ISONO	CYCLE		CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESE
scv	PSC INT 3-B-4A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
SCV	PSC INT 3-B-5A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
SCV	PSC INT 3-B-6A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	PSC INT 3-B-7A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
SCV	PSC INT 3-B-8A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	PSC INT 3-B-9A	BFN-CISI-007	12	E1.12	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-1	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-10	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15	`	•			
scv	PSC MVH 3-B-11	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-12	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-13	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-14	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-15	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-16	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-2	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-3	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-4	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-5	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-6	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
SCV.	PSC MVH 3-B-7	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-8	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	PSC MVH 3-B-9	BFN-CISI-017	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-1A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
SCV	VNT HDR-3-2A	BFN-CISI-018	3 12	E1.20	E-A .	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-2A	BFN-CISI-018	3 12	N/A	N/A	92E-PC	VT-3	N-VT-15					
scv	VNT HDR-3-3A	BFN-CISI-018	3 12	E1.20	E-A	92E-92	VT-3	N-VT-15					

SYSTEM	COMPONENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
SCV	VNT HDR-3-4A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-5A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-6A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-7A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					
scv	VNT HDR-3-8A	BFN-CISI-018	12	E1.20	E-A	92E-92	VT-3	N-VT-15					

NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT
PO BOX 2000
DECATUR, ALABAMA 35609-2000

IWE Exams EXREQ's 92E-92 P92-01

UNIT: 3 CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1975

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exreq	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
scv	DW HD-3-1	BFN-CISI-012	92E-92	E-A	E1.12	VT-3		20060310	CISI-312-050	Р	NOI# U3C12-021 CLEARED THIS REPORT.
scv	DW LNR-3-1	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060303	CISI-312-042	Р	CLEARED BY REPORT# CISI-312-045.
scv	DW LNR-3-2	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060308	CISI-312-043	Р	CLEARED BY NOI# U3C12-017 AND REPORT CICI-312-044.
scv	DW LNR-3-3	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060305	CISI-312-048	P	REPORT CISI-312-049 CLEARS THIS REPORT.
scv	DW LNR-3-4	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060303	CISI-312-010	Р	REPORT CISI-312-036 CLEARS NOI# U3C12-007.
SCV	DW LNR-3-5	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060308	CISI-312-040	P	REF. CISI-312-011. THIS CLEARED BY NOI# U3C12-014 & NOI# U3C12-006 AND REPORT# CISI-312-041.
scv	DW LNR-3-5	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060303	CISI-312-011	Р	CISI-312-035 CLEARS NOI# U3C12-006.
scv	DW LNR-3-6	BFN-CISI-008-2	92E-92	E-A	E1.12	VT-3		20060303	CISI-312-012	Р	REPORT CISI-312-034 CLEARS NOI# U3C12-005
scv	ECCS RH 3-1	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060223	CISI-312-029	Р	
scv	ECCS RH 3-10	BFN-CISI-002	92E-92	· E·A	E1.12	VT-3		20060223	CISI-312-015	Р	
scv	ECCS RH 3-11	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060224	CISI-312-032	Р	
scv	ECCS RH 3-12	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060223	3 CISI-312-033	Р	
scv	ECCS RH 3-13	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060224	CISI-312-037	Р	
scv	ECCS RH 3-14	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060222	2 CISI-312-014	Р	
scv	ECCS RH 3-15	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060222	2 CISI-312-013	P.	
scv	ECCS RH 3-16	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060302	2 CISI-312-006	s P	
SCV	ECCS RH 3-2	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		2006022	3 CISI-312-018	3 P	
scv	ECCS RH 3-3	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		2006022	3 CISI-312-017	Р	
scv	ECCS RH 3-4	BFN-CISI-002	92E-92	E-A	E1.12	VT-3			2 CISI-312-009		医小兔 计分析 医骨膜 医克朗氏 医阿拉尔氏试验检 医二种 计可能分析 医二甲基甲基 医二甲基甲基 医二甲基甲基 医二甲基甲基

NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT
PO BOX 2000
DECATUR, ALABAMA 35609-2000

IWE Exams EXREQ's 92E-92 P92-01

UNIT: 3 CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1975

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exreq	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
scv	ECCS RH 3-5	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060224	CISI-312-030	Р	
scv	ECCS RH 3-6	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060224	CISI-312-031	P	
scv	ECCS RH 3-7	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060302	CISI-312-008	Р	
scv	ECCS RH 3-8	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060302	CISI-312-007	Р	
scv	ECCS RH 3-9	BFN-CISI-002	92E-92	E-A	E1.12	VT-3		20060223	CISI-312-016	P	
SCV	GEN-VTE	3-47E872-1-ISI	92E-92	E-A	E1.11	VT-GE		20060221	CISI-312-002	Р	EXAMINERS: J. A. FERGERSON, H. B. BARNET R. C. PLASKON, D. BROWN, M. E. OGGS, & R. S SCAGLIONE.
SCV	MSB-3-1	BFN-CISI-015	92E-92	E-D	E5.30	VT-3		20060301	CISI-312-003	Р	EXAMINERS: J. A. FERGERSON, H. B. BARNET & R. C. PLASKON REFERENCE PER# 98978 & 99049. REPORT CISI-312-053 CLEARS THIS CONDITION.
SCV	MSB-3-2	BFN-CISI-015	92E-92	E-D	E5.30	VT-3		20060301	CISI-312-004	Р	EXAMINERS: J. A. FERGERSON, H. B. BARNET & R. C. PLASKON REFERENCE PER# 98978 & 99049. REPORT CISI-312-055 CLEARS THIS CONDITION.
SCV	MSB-3-3	BFN-CISI-015	92E-92	E-D	E5.30	VT-3		20060301	CISI-312-005	Р	EXAMINERS: J. A. FERGERSON, H. B. BARNET & R. C. PLASKON REFERENCE PER# 98978 & 99049, REPORT CISI-312-054 CLEARS THIS CONDITION.
scv	PEN 3-X-35F	BFN-CISI-043	92E-92	E-A	E1.12	VT-3		20060316	CISI-312-056	Р	W.O.06-713296-000, REPORT CISI-312-057 AND NOI# U3C12-024 CLEARS THIS REPORT.
scv	PEN 3-X-48	BFN-CISI-046	P92-01	E-A	E1.12	VT-3		20060315	CISI-312-051	Р	W. O. 04-712432-001, EXAMINED WELDS PNTS 3-006-001 & 002.
scv	PEN 3-X-48	BFN-CISI-046	P92-01	E-G	E8.10	VT-1		20060224	CISI-312-001	Р	W. O. 04-712432-001, EXAMINED 3' MN FLANG AND STUDS AND NUTS.
scv	PEN 3-X-48	BFN-CISI-046	P92-01	E-P	E9.10	VT-1		20060318	3 CISI-312-058	3 P	W. O. 04-712432-001, EXAMINED REPLACED PORTION ONLY. VT-1 PERFORMED AFTER PRESSURE TEST REF. 0-TI-376.

05/04/2006

NUCLEAR POWER GROUP

1101 MARKET STREET

UNIT: 3 CYCLE: 12

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT PO BOX 2000

DECATUR, ALABAMA 35609-2000

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

			<u>.</u>								
System	Component Number	ISO Drawing	Exreq	Category	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
scv	PSC INT 3-B-10A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-11A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-312-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
SCV	PSC INT 3-B-12A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
SCV	PSC INT 3-B-13A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-14A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-15A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-16A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-312-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-1A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-312-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-2A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-3A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-312-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
SCV	PSC INT 3-B-4A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	P	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-5A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC INT 3-B-6A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
SCV	PSC INT 3-B-7A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1975

IWE Exams EXREQ's

92E-92

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NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT
PO BOX 2000
DECATUR, ALABAMA 35609-2000

IWE Exams EXREQ's 92E-92 P92-01

UNIT: 3 CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1975

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exreq	Category	ttem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
SCV	PSC INT 3-B-8A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
SCV	PSC INT 3-B-9A	BFN-CISI-007	92E-92	E-A	E1.12	VT-3		20060310	CISI-213-059	Р	NOI# U3C12-023 CLEARED NO FURTHER REEXAMS REQUIRED.
scv	PSC MVH 3-B-1	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	P	NOI# U3C12-013 CLEARS THIS REPORT.
SCV	PSC MVH 3-B-10	BFN-CISI-017	92E-92	E-A	E1.20	VT-3	•	20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-11	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-12	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	P	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-13	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	P	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-14	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
SCV	PSC MVH 3-B-15	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-16	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-2	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-3	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-4	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-5	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-6	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	P	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-7	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-8	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	PSC MVH 3-B-9	BFN-CISI-017	92E-92	E-A	E1.20	VT-3		20060305	CISI-312-039	Р	NOI# U3C12-013 CLEARS THIS REPORT.
scv	VNT HDR-3-1A	BFN-CISI-018	92E-92	E-A	E1.20	VT-3		20060303	CISI-312-019	Р	NOI# U3C12-018 CLEARED THIS REPORT

NUCLEAR POWER GROUP

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PLANT: BROWNS FERRY NUCLEAR PLANT PO BOX 2000

DECATUR, ALABAMA 35609-2000

IWE Exams EXREQ's 92E-92 P92-01

UNIT: 3 CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1975

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing		Exreq	Calegory	ltem Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
scv	VNT HDR-3-2A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-020	Р	THIS REPORT CLEARED BY CISI-312-026 AND NO!# U3C12-009 CLEARED.
scv	VNT HDR-3-2A	BFN-CISI-018	•	92E-92	E-A	E1.20	VT-3		20060303	CISI-312-046	P	THIS CLEARS NOI# U3C12-046.
scv	VNT HDR-3-3A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-021	Р	NOI# U3C12-018 CLEARS THIS REPORT.
scv	VNT HDR-3-4A	BFN-CISI-018	V	92E-92	E-A	E1.20	VT-3		20060303	CISI-312-022	P	NOI# U3C12-018 CLEARS THIS REPORT.
scv	VNT HDR-3-5A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-023	P	NOI# U3C12-018 CLEARS THIS REPORT.
scv	VNT HDR-3-6A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-027	Р	NOI# U3C12-010 CLEARS THIS REPORT.
scv	VNT HDR-3-6A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-047	Р	NOI# U3C12 CLEARS THIS REPORT.
scv	VNT HDR-3-7A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-024	P	NOI# U3C12-018 CLEARS THIS REPORT.
scv	VNT HDR-3-8A	BFN-CISI-018		92E-92	E-A	E1.20	VT-3		20060303	CISI-312-025	Р	NOI# U3C12-018 CLEARS THIS REPORT.

NUCLEAR POWER GROUP

1101 MARKET STREET

PLANT: BROWNS FERRY NUCLEAR PLANT PO BOX 2000

DECATUR, ALABAMA 35609-2000

IWE Exams EXREQ's 92E-CV 92E-PC 92E-MS

CHATTANOOGA, TENNESSEE 37402

UNIT: 3 CYCLE: 12

COMMERCIAL SERVICE DATE: MARCH 1, 1975

CERTIFICATION OF AUTIIORIZATION: NOT REQUIRED NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Number	ISO Drawing	Exreq	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
scv	DW LNR 3-1A	BFN-CISI-006	92E-MS	E-A	E1.12	VT-3		20060315	CISI-213-052	Р	A VOLUNTARTY VT-1 WAS PERFORMED IN LIEU OF A VT-3. REFERENCE PER# 98978 NOI# U3C12-001.
scv	DW LNR-3-1	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060303	CISI-312-045	Р	Preservice following coating repair required by NOI U3C12-016
scv	DW LNR-3-2	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060308	CISI-312-044	P	Preservice following coating repair required by NOI U3C12-017
scv	DW LNR-3-3	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060305	CISI-312-049	Р	Preservice following coating repair required by NOI U3C12-020
scv	DW LNR-3-4	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		200603	CISI-312-036	Р	Preservice following coating repair required by NOI U3C12-007
scv	DW LNR-3-5	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060308	CISI-312-041	Р	THIS CLEARS NOI# U3C12-014 AND NOI# U3C12 006.
scv	DW LNR-3-5	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060305	CISI-312-035	Р	Preservice following coating repair required by NOI U3C12-006
scv	DW LNR-3-6	BFN-CISI-008-2	92E-PC	N/A	N/A	VT-3		20060305	CISI-312-034	, P	Preservice following coating repair required by NOI U3C12-006 and 014
scv	PEN 3-X-35F	BFN-CISI-043	92E-CV	N/A	N/A	VT-3		20060316	CISI-312-057	P	W.O.06-713296-000. NOI# U3C12-024 IS CLEARED: INDICATIONS ARE NOT WITHIN THE iwe CODE BOUDARY.
scv	VNT HDR-3-2A	BFN-CISI-018	92E-PC	N/A	N/A	VT-3		20060303	CISI-312-026	Р	Preservice following coating repair required by NOI U3C12-009

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

SUMMARY OF INDICATIONS

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The information contained in this report is provided in accordance with the requirements of 10CFR50.55a(b)(2)(x)(A), evaluation of inaccessible areas, and 10CFR50.55a(b)(2)(x)(D), evaluation for additional examinations, as they pertain to containment inservice examinations performed during the BFN Unit 3 Cycle 12 refueling outage.

The subject examinations were performed in accordance with ASME Section XI Subsection IWE, 1992 Edition/1992 Addenda. BFN Unit 3 is in the third period of the first examination interval.

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BFN CONTAINMENT INSERVICE INSPECTION (CISI) PROGRAM U3C12 REFUELING OUTAGE SUMMARY REPORT

Unit:

BFN Unit 3

Refueling Outage:

Period/Interval:

Third Period of the First Interval

Code of Record:

ASME Section XI, 1992 Edition/1992 Addenda

Program Procedure: 0-TI-376, Revision 4

Summary of Examinations

The records contained within the Site Final Report comprise the Containment Inservice examinations performed to implement the requirements of ASME Section XI, Subsection IWE. The examinations are summarized as follows:

Table IWE-2500-1, Examination Category E-A, Containment Surfaces

Periodic examinations were scheduled for the outage as well as examinations performed in support of maintenance activities. The examinations are as described below:

- Torus exterior (accessible portions)
- Drywell liner (drywell interior)
- Drywell Head
- Suppression chamber interior including: Vent Pipe from Drywell to Torus, Main Vent Header and Downcomers, Torus Interior above water line
- Drywell liner @ elevation 550' when exposed for repair of the moisture seal barrier

Table IWE-2500-1, Examination Category E-D, Seals, Gaskets and Moisture Barriers

During the refueling outage, accessible portions of the Drywell moisture barrier seal at elevation 550' were examined.

Table IWE-2500-1, Examination Category E-G, Pressure Retaining Bolting

Flange, nuts, and bolting for modified penetration X-48 was examined.

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-001

Report No: CISI-312-003,

Component: Drywell Moisture Seal Barrier

-004, -005

MSB-3-1, MSB-3-2, MSB-3-3

Condition/Indication: Moisture seal barrier is separated from the drywell liner / concrete and is damaged.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-001 and Report CISI-312-003,-004,-005 document conditions noted during the VT-3 Examination of the Drywell Moisture Seal Barrier at Elevation 550'. The reported conditions consisted of separation and damage of the moisture seal barrier. Inaccessible areas are located under the 6 foot wide air duct at the 90 degree azimuth and the 270 degree azimuth.

(2) Evaluation of each area, and the result of the evaluation:

The reported conditions consisted of separation and damage of the Moisture Seal Barrier. Due to age and/or damage, the seal separates from the liner allowing the potential for moisture, if present, to get entrapped between the seal and liner. Inaccessible areas are located under the six foot wide air duct at the 90 degree azimuth and the 270 degree azimuth. For each inaccessible area, the area under the duct is not accessible for visual inspection using VT-3 criteria. The physical condition of the Moisture Seal Barrier appears not to meet the acceptance criteria given in 0-SI-4.7.A.2.K (low spots, debris, and poor appearance). Sixteen areas of seal separation were identified in the accessible Moisture Seal Barrier inspection. Following the removal of the seal in these areas, a VT-1 examination of the liner was performed (Reference CISI-312-052). No reportable condition was found. It is not expected that similar separation of the moisture seal from the liner has occurred in the inaccessible areas. Because there was no moisture in the identified areas, the nitrogen atmosphere during plant operations, and that there is still some remaining ligament in the existing Moisture Seal Barrier, the present condition should be accepted for continued use. These results indicate that the inaccessible areas are acceptable for continued use.

(3) Description of necessary corrective actions:

Areas of Moisture Seal Barrier failure (e.g., separation from shell/concrete, damage, depression, etc.) were removed and then replaced to meet the standards specified in 0-SI-4.7.A.2.K.

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the containment vessel in the affected areas. Therefore, additional examinations are not warranted.

- (2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components: N/A. See (1) above.
- (3) A description of the necessary corrective actions:

N/A. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

N/A. See (1) above.

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-005

Report No: CISI-312-012

Component: Drywell Liner Elevation 633

DW-LNR-3-6

Condition/Indication: Coating / paint flaking and blistering of painted / coated surfaces on the metal containment

liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-005 and Report CISI-312-012 document conditions noted during the VT-3 Examination of the steel Drywell containment vessel on elevation 633'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking and blistering coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI 312-034.

(3) Description of necessary corrective actions:

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

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CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the shell containment vessel. The condition has been addressed by removal of the coating and examination of the liner in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-006

Report No: CISI-312-011

Component: Drywell Liner Elevation 616

DW-LNR-3-5

Condition/Indication: Coating / paint flaking and blistering of painted / coated surfaces on the metal containment

liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-006 and Report CISI-312-011 document conditions noted during the VT-3 Examination of the steel Drywell containment vessel on elevation 616'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking and blistering coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-035.

(3) Description of necessary corrective actions:

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by removal of the coating and examination of the liner in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-007

Report No: CISI-312-010

Component: Drywell Liner Elevation 604

DW-LNR-3-4

Condition/Indication: Blistering of painted / coated surface on the metal containment liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-007 and Report CISI-312-010 document conditions noted during the VT-3 Examination of the steel Drywell containment vessel on elevation 604'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of blistering of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coating prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-036.

(3) Description of necessary corrective actions:

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by removal of the coating and examination of the liner in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-009

Report No: CISI-312-020

Component: Vent Pipe from Drywell to Torus

VNT-HDR-3-2A

Condition/Indication: Coating / paint flaking, peeling, and discoloration of painted / coated surfaces on the Vent

pipe from Drywell to Torus.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-009 and Report CISI-312-020 document conditions noted during the VT-3 examination of the vent pipe from drywell to torus. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking, peeling, and discoloration of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indication noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coating prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-026.

(3) Description of necessary corrective actions:

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ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by removal of the coating and examination of the liner in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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NOI No: U3C12-010

Report No: CISI-312-027

Component: Vent Pipe from Drywell to Torus

VNT-HDR-3-6A

Condition/Indication: Coating / paint flaking, peeling, and discoloration of painted / coated surfaces on the Vent

pipe from Drywell to Torus.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-010 and Report CISI-312-027 document conditions noted during the VT-3 Examination of the Vent Pipe from Drywell to Torus. The reported conditions consisted of flaking, peeling, and discoloration of coatings.

(2) Evaluation of each area, and the result of the evaluation:

These NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE 2500(b) examination of coating prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected and was found to be in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exist that may be present in inaccessible areas. See VT-3 Report Number CISI-312-026.

(3) Description of necessary corrective actions:

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ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by removal of the coating and examination of the liner in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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NOI No: U3C12-011

Report No: 3-TI-173/

Component: PSC EXTERIOR

0-TI-417

PSC-EXT-3-B1 THRU B16

Condition/Indication: Various conditions (including nicks, scratches, surface rust) related to the PSC exterior

general visual inspection and coating inspection.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-011 and 3-TI-173 / 0-TI-417 document conditions noted during the General Visual Examination of the pressure suppression chamber exterior. The reported conditions consisted of random areas of nicks, scratches, and surface rust. There is no evidence of degradation that affects the containment structural integrity or leak tightness.

(2) Evaluation of each area, and the result of the evaluation:

The random areas of nicks, scratches, and surface rust are the results of time in service and mechanical damage. The conditions found have been evaluated and were found not to be detrimental for continued operation. No corrective actions are required for startup. The conditions identified have been documented on PER #98500. There is no evidence of degradation that affects the containment structural integrity or leak tightness.

(3) Description of necessary corrective actions:

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ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

All areas with the similar condition and coating have been evaluated. No additional examinations are required.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-013

Report No: CISI-312-039

Component: Main Vent Header and Downcomers

PSC-MVH-3-B-1 THRU -16

Condition/Indication: Coating / paint flaking, discoloration, signs of distress of painted / coated surfaces on the

· Main Vent Header and Downcomers.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-013 and Report CISI-312-039 document conditions noted during the VT-3 examination of the main vent header and downcomers. This examination was performed to satisfy the requirements of IWE-2500 (b). The indications noted consist of flaking, discoloration, and rust bloom of the applied coating.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface (Main Vent Header Downcomers). This examination was performed to satisfy the requirements of IWE 2500 (b). The indications noted consist of flaking, discoloration, and rust bloom of the applied coating. The areas of discoloration exist throughout the entire Vent Header. The steel surface of the Header is not exposed and the coating has strong adherence. 100% of the vent header was inspected. All 96 downcomers were inspected and 17 had indications of flaking and rust bloom on the lower portion of the 45 degree miter joint. The nitrogen atmosphere and dry conditions during operation will prevent corrosion of the weld joint. Indications of rust bloom and flaking have been evaluated and found to be coating failures. Poor application, due to accessibility, resulted in a thin Dry Film Thickness (DFT) on the weld joint. Environmental conditions and thin DFT has caused the rust bloom and flaking of the coating at the lower portion of the 45 degree miter weld joint in the Downcomer. To avoid Torus FME, no scrapings of the loose coatings on the welds will be performed. Based on the nitrogen atmosphere and dry conditions during operation, the corrosion rate is zero. There is no degradation that affects the structural integrity or leak tightness of the steel downcomers. The indication of discoloration found in the downcomers have been evaluated and found to be the results of carbon contamination on the surface of the coating. There is no exposed liner, and the coating adherence is good. Therefore, the structural integrity or leak tightness of the steel downcomers will not be compromised.

(3) Description of necessary corrective actions:

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ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-014

Report No: CISI-312-040

Component: Drywell Liner Elevation 616

DW-LNR-3-5

Condition/Indication: Coating / paint flaking, blistering on painted / coated surfaces on the metal containment

liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-014 and Report CISI-312-040 document conditions noted during the VT-3 examination of the steel Drywell containment vessel on elevation 616'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking and blistering of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-041.

(3) Description of necessary corrective actions:

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CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION:

NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-016

Report No: CISI-312-042

Component: Drywell Liner Elevation 550

DW-LNR-3-1

Condition/Indication: Coating / paint flaking, peeling, and discoloration of painted / coated surfaces on the metal

containment liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-016 and Report CISI-312-042 document conditions noted during the VT-3 examination of the steel drywell containment vessel on elevation 550'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking, peeling, and discoloration of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-045.

(3) Description of necessary corrective actions:

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-017

Report No: CISI-312-043

Component: Drywell Liner Elevation 563

DW-LNR-3-2

Condition/Indication: Blistering and peeling of painted / coated surfaces on the metal containment liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-017 and Report CISI-312-043 document conditions noted during the VT-3 examination of the steel drywell containment vessel on elevation 563'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of peeling and blistering of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-044.

(3) Description of necessary corrective actions:

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-018

Report No: CISI-312-019.

Component: Vent Pipe from Drywell to Torus

VNT-HDR-3-1A THRU -8A

-021,-022,-023, -024,-024, -046,

-047

Condition/Indication: Discoloration of painted / coated surfaces on the Vent Pipe from Drywell to Torus.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-018 and Report CISI-312-019,-021,-022,-023,-024,-046,-047 document conditions noted during the VT-3 examination of the vent pipe from drywell to torus. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of discoloration of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b) examination of coatings prior to removal. The indications noted consist of areas of discoloration of the applied coating. The liner surface is not exposed in these areas, and the coating has strong adherence and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

(3) Description of necessary corrective actions:

N/A. No additional corrective actions necessary. Reference (2) above.

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DECATUR, ALABAMA 35602

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation::

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

Not applicable. See (1) above.

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-020

Report No: CISI-312-048

Component: Drywell Liner Elevation 584

DW-LNR-3-3

Condition/Indication: Coating / paint flaking, blistering, and peeling of painted / coated surfaces of the drywell

liner.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-020 and Report CISI-312-048 document conditions noted during the VT-3 examination of the steel drywell containment vessel on elevation 584'. This examination was performed to satisfy the requirements of IWE-2500 (b). The reported conditions consisted of flaking, peeling, and blistering of coatings.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the steel containment vessel surface in areas identified for coating removal. This examination was performed to satisfy the requirements of IWE-2500(b), examination of coatings prior to removal. The indications noted consist of areas of flaking or delaminating of the applied coating. The exposed liner surface in these areas has been inspected after coating removal and is in good condition. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. See VT-3 Report Number CISI-312-049.

(3) Description of necessary corrective actions:

N/A. No additional corrective actions necessary. Reference (2) above.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

NOT REQUIRED

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION:

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the coating in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

Not applicable. See (1) above.

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-021

Report No: CISI-312-050

Component: DRYWELL HEAD

DW-HD-3-1

Condition/Indication: Coating / paint flaking, discoloration, and signs of distress of painted / coated surfaces on

the drywell head.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-021 and Report CISI-312-050 document conditions noted during the VT-3 examination of the drywell head. The reported conditions consisted of coating / paint flaking, discoloration, signs of distress of the painted / coated surfaces.

(2) Evaluation of each area, and the result of the evaluation:

This NOI documents indications noted during the VT-3 examination of the drywell head. The drywell head was observed to have light to medium rust / scaling inside the stud holes, light surface rust / scaling, and small areas of coatings surface discoloration / distress / flaking of the drywell head flange which are expected conditions considering the environment, age, and service conditions of the drywell head. The interior surfaces had very minor surface scratches and some signs of light to medium rust / scaling in one penetration near the top of the head. The flange is for seating the stud washers had minor rust / scaling. The existing hardened washers mitigate wear to the flange bearing surface for the studs. The aforementioned observations to the drywell head are judged minor and have no adverse impact on the overall drywell head structural integrity. Therefore, the drywell head is acceptable for continued service and the structural integrity of the drywell head is still maintained. No corrective measures required at this time. 100% of the drywell head was inspected, thus, no evaluation for inaccessible areas required.

(3) Description of necessary corrective actions:

N/A. No additional corrective actions necessary. Reference (2) above.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

The condition documented by this NOI is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by evaluating the findings in the affected areas. Therefore, additional examinations are not warranted.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

Not applicable. See (1) above.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-023

Report No: CISI-312-059

Component: Torus Interior - Above Water Line

PSC-INT-3-1A THRU -16A

Condition/Indication: Coating / paint flaking and blistering of coating in the torus interior above the water line.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-023 and Report CISI-312-059 document conditions noted during the VT-3 examination of the torus interior - above water line. This examination was performed to satisfy the requirements of IWE-2500 (a) and IWE-2500 (b). The reported conditions consisted of flaking and blistering of coatings.

(2) Evaluation of each area, and the result of the evaluation:

Indications were found in the coating on the above water interior surface of the Unit 3 torus. The indications consisted of a thin layer of paint delaminating from an existing layer of paint. The condition which exists is the result of application errors and has not resulted from degradation of the carbon steel shell of the torus. The containment boundary has not been compromised. Temporary support steel, used during Unit 3 recovery, was attached to the torus interior in 20 locations. When the weld and weld area was cleaned, prepped, and coated, a thin layer of overspray beyond the weld area resulted. Because the area of overspray (approximately 1 foot diameter around each support) was not cleaned or prepped, some of the areas of overspray have started to delaminate from the existing coating in 5 of the 20 locations. The delaminating coating has not resulted in exposure of the torus shell. Visually each of the 20 locations appear to have an area of overspray from 8 to 12 inches in diameter around the weld which attaches the temporary support steel to the torus shell. The overspray has started to delaminate in 5 locations. The loss of the overspray has not resulted in degraded conditions of the torus shell.

(3) Description of necessary corrective actions:

N/A. No additional corrective actions necessary. Reference (2) above.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

UNIT:

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation:

All areas with the similar condition and coating have been evaluated. No additional examination required.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

Not applicable. See (1) above.

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UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

NOI No: U3C12-024

Report No: TI-173, P. 129

Component: X-35F

Condition/Indication:

Indications identified during general visual of penetration X-35F.

EVALUATION OF INACCESSIBLE AREAS 10CFR50.55a(b)(2)(ix)(A)

(1) Description of the type and estimated extent of degradation, and the conditions that led to the degradation:

NOI U3C12-024 and Report TI-173, page 129 documents conditions noted during the General Visual Examination of Penetration X-35F. The reported conditions consisted of indications identified on the plate welded to penetration X-35F. These welds are original welds and do not appear to have been altered. The pipe to plate indication has not propagated into the pipe base metal and appears to be the results of poor quality welding. BFN Civil Engineering Branch reviewed the loading conditions and identified that the loads are small and that this condition will not propagate any flaws. This condition has not compromised the leak tightness of the containment neither has it compromised any structural integrity or leak tightness. Further evaluation determined that the cover plate and its welds are not part of the IWE boundary.

(2) Evaluation of each area, and the result of the evaluation:

The indications are not part of the IWE boundary. In addition, the indications on this cover plate are nonrelevant and do not affect the containment structural integrity or leak tightness. Therefore, there is no need to perform an evaluation of inaccessible areas.

(3) Description of necessary corrective actions:

N/A. No additional corrective actions necessary. Reference (2) above.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35602

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

ADDITIONAL EXAMINATIONS 10CFR50.55a(b)(2)(ix)(D)

(1) Description of each flaw or area, including the extent of degradation, and the conditions that led to the degradation::

These indications are not part of the IWE boundary. In addition, the indications on this cover plate are non-relevant and do not affect the containment structural integrity or leak tightness. Therefore, there is no need to perform additional examinations. These welds are original welds and do not appear to have been altered. The pipe to plate indication has not propagated into the pipe base metal and appears to be the results of poor quality welding. This condition has not compromised the leak tightness of the containment neither has it compromised any structural integrity or leak tightness.

(2) The acceptability of each flaw or area, and the need for additional examinations to verify that similar degradation does not exist in similar components:

Not applicable. See (1) above.

(3) A description of the necessary corrective actions:

Not applicable. See (1) above.

(4) The number and type of additional examinations to ensure detection of similar degradation in similar components:

Not applicable. See (1) above.

PLANT: BROWNS FERRY NUCLEAR PLANT

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CHATTANOOGA, TENNESSEE 37402

UNIT: 7

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 3

REACTOR PRESSURE VESSEL (RPV) NOZZLE EXAMS DEFERRED FROM UNIT 3 CYCLE 11, 2ND INTERVAL 3RD PERIOD PERFORMED IN CYCLE 12

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER P.O. BOX 2000

1101 MARKET STREET DECATUR, ALABAMA 35609-2000

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Introduction:

On February 20, 2004, TVA opted to request NRC approval to utilize IWA-2430 of the 1995 Edition through 1996 Addenda of the ASME Section XI, Division1 Code. NRC approved this request on March 29, 2004. This later Code allowed TVA to extend the BFN Unit 3 Second Ten Year ISI Interval but yet allow the start of the BFN Unit 3 Third Ten Year ISI Interval. This was done anticipating that Request for Relief 3-ISI-18 would be approved allowing TVA permission from examining seven (7) Reactor Pressure Vessel (RPV) Nozzles, Code Category B-D, Item No. B3.90. If the request for relief was not approved; the seven (7) RPV Nozzles would be examined during the U3C12 outage completing the Unit 3 Second ISI Ten Year Interval. TVA withdrew the request for relief on September 14, 2005. Therefore, since the seven (7) RPV Nozzle examinations are for the Unit 3 Second Interval, the Code of Record is the 1989 Edition, No addenda of the ASME Section XI, Division 1 Code and the Code of Record for NDE is the 1995 Edition through the 1996 Addenda of the ASME Section XI, Division 1 Code.

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35609-2000

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 INTERVAL STATUS

On February 20, 2004, TVA opted to request NRC approval to utilize IWA-2430 of the 1995 Edition through 1996 Addenda of the ASME Section XI, Division1 Code. NRC approved this request on March 29, 2004. This later Code allowed TVA to extend the BFN Unit 3 Second Ten Year ISI Interval but yet allow the start of the BFN Unit 3 Third Ten Year ISI Interval. This was done anticipating that Request for Relief 3-ISI-18 would be approved allowing TVA permission from examining seven (7) Reactor Pressure Vessel (RPV) Nozzles, Code Category B-D, Item No. B3.90. If the request for relief was not approved; the seven (7) RPV Nozzles would be examined during the U3C12 outage completing the Unit 3 Second ISI Ten Year Interval. TVA withdrew the request for relief on September 14, 2005. Therefore, since the seven (7) RPV Nozzle examinations are for the Unit 3 Second Interval, the Code of Record is the 1989 Edition, No addenda of the ASME Section XI, Division 1 Code and the Code of Record for NDE is the 1995 Edition through the 1996 Addenda of the ASME Section XI, Division 1 Code. The seven (7) RPV Nozzles are as follows: N2G, N2H, N2J, N2K, N3C, N3D and N8B.

Table 1 summarizes code credited examinations by category and percentages completed and complies with ASME Section XI percentage requirements.

TABLE 1 ASME SECTION XI EXAMINATION SUMMARY FOR THE THIRD PERIOD OF THE SECOND TEN-YEAR INSPECTION INTERVAL

CATEGORY/CLASS % COMPLETE

COMMENTS

B-D/1

100% Seven (7) RPV nozzles deferred from Unit 3 Cycle 11, 2nd Interval

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PLANT: BROWNS FERRY NUCLEAR PLANT

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DECATUR, ALABAMA 35609-2000

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3/Cycle 12 Inservice Inspection is contained in this Appendix.

On February 20, 2004, TVA opted to request NRC approval to utilize IWA-2430(d)(1) of the 1995 Edition through 1996 Addenda of the ASME Section XI, Division1 Code. NRC approved this request on March 29, 2004. This later Code allowed TVA to extend the BFN Unit 3 Second Ten Year ISI Interval but yet allow the start of the BFN Unit 3 Third Ten Year ISI Interval. This was done anticipating that Request for Relief 3-ISI-18 would be approved allowing TVA permission from examining seven (7) Reactor Pressure Vessel (RPV) Nozzles, Code Category B-D, Item No. B3.90. If the request for relief was not approved; the seven (7) RPV Nozzles would be examined during the U3C12 outage completing the Unit 3 Second ISI Ten Year Interval. TVA withdrew the request for relief on September 14, 2005. Therefore, since the seven (7) RPV Nozzle examinations are for the Unit 3 Second Interval, the Code of Record is the 1989 Edition, No addenda of the ASME Section XI, Division 1 Code and the Code of Record for NDE is the 1995 Edition through the 1996 Addenda of the ASME Section XI, Division 1 Code. The seven (7) RPV Nozzles are as follows: N2G, N2H, N2J, N2K, N3C, N3D and N8B.

The following items/components had examination limitations outside those specified in 1989 Edition, No Addenda, of ASME Section XI Code and NRC Information Notice, 98-42 "Implementation of 10 CFR 50.55a(g) Inservice Inspection Requirements." The Inservice Inspection Program 3-SI-4.6.G will be revised to incorporate these limitations in the form of Requests for Relief (RFR). Program revisions, including Requests for Relief, will be submitted to the NRC.

<u>SYSTEM</u>	COMPONENT ID	COVERAGE CALCULATED	REPORT NO.	R <u>FR No.</u>
RPV	N2G-NV	42%	R-07 ₀	3-ISI-07
RPV	N2H-NV	42%	R-071	REV. 02 3-ISI-07
RPV	N2J-NV	420		REV. 02
KPV	1N2J-1N V	42%	R-072	3-ISI-07 REV. 02
RPV	N2K-NV	42%	R-073	3-ISI-07 REV. 02
RPV	N3C-NV	36%	R-074	3-ISI-07
RPV	N3D-NV	36%	R-075	REV. 02 3-ISI-07
RPV	N8B-NV	64%	R-078	REV. 02 3-ISI-07
141 4	1102 111	O 17 70	K-0/0	REV. 02

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35609-2000

UNIT:

THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3/Cycle 12 Inservice Inspection is contained in this Appendix.

The following BFN Unit 3 Reactor Pressure Vessel Inner Radius Sections, Code Category, B-D, Item No. B3.100, received an Enhanced Remote Visual (EVT-1) examination, capable of a 1-mil wire resolution in accordance with ASME Section XI, VT-1 requirements. This was in lieu of a volumetric examination required in accordance with the 1989 Edition, No Addenda of ASME Section XI Code.

This was in accordance with Request For Relief # 3-ISI-14 for the Reactor Pressure Vessel Nozzles, N1A, N1B, N3A, N3B, N3C, and N3D, and Request For Relief # 3-ISI-15 for the Reactor Pressure Vessel Nozzles, N2A, N2B, N2C, N2D, N2E, N2F, N2G, N2H, N2J, N2K, N5A, N5B, N8A, and N8B, approved by the NRC on February 11, 2004, (TAC NO. MB8956 and MB8957) (RIMS# L44 040218 004). TVA provided the NRC specific limitations and estimated coverage's for each nozzle in the Request For Relief # 3-ISI-14 and 3-ISI-15. TVA is reporting the actual coverage's obtained during the Enhanced Remote Visual (EVT-1) examination, capable of a 1-mil wire resolution in this report below.

SYSTEM	COMPONENT ID	COVERAGE ESTIMATED	CALCULATED ACTUAL	REPORT NO.
RECIRC	N2G-IR	50%	40%	R-057
RECIRC	N2H-IR	50%	40%	R-057
RECIRC	N2J-IR	50%	40%	R-057
RECIRC	N2K-IR	50%	40%	R-057
MS	N3C-IR	100%	90%	R-057
MS	N3D-IR	100%	90%	R-057
RECIRC	N8B-IR	60%	40%	R-057

ATTACHMENT 4

System Pressure Test Program

BROWNS FERRY NUCLEAR PLANT

UNIT 3 CYCLE 12

ASME SECTION XI

NIS-1 OWNER'S REPORT ON SYSTEM PRESSURE TESTS

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS As Required by the Provisions of the ASME Code Rules

	······································			
			Sheet 1	of4
Owner Tennessee Valle	y Authority (TVA), 1101 Market St., Cha	attanooga, TN 37	402-2801	
	(Name and Address			
2. Plant Browns Ferry Nu	iclear Plant (BFN), P. O. Box 2000, Dec	atur, AL 35609-2	2000	
	(Name and Address		· · · · · · · · · · · · · · · · · · ·	
•				
3. Plant Unit 3	4. Owner Certifica	ate of Authorization	n (if required) N	ot Required
J. Hair Om	4. Owner Common		- (required)	or riequired
5. Commercial Service Date	03/01/1977 6. National Board	Number for Unit	Not Req	uired
5. Commercial Service Date	- C. Hallonar Board	14diliber for Offic	11011104	direct
7. Components Inspected				
7. Components inspected				
		Manufacturer		
Component or	Manufacturer	or Installer	State or	National Board No.
Appurtenance	or Installer	Serial No.	Province No.	
Reactor Vessel	General Electric	Contract No. 67C21-91750	N/A	N/A
Piping attached to the Reactor	TVA	N/A	N/A	N/A
Vessel (various systems)	1 110	(7)	1071	10/1
		ļ		
	·			
•				

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

FORM NIS-1 (Back)

8.	Examination Dates 11/19/2005 to 03/22/2006
9.	Inspection Period Identification First Period, 11/19/2005 to 11/18/2008
10.	Inspection Interval Identification Third Interval, 11/19/2005 to 11/18/2015
11.	Applicable Edition of Section XI 2001 Addenda 2003
12.	Date/Revision of Inspection Plan 12/22/2004 / Revision 0
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 II
15.	Abstract of Corrective Measures.
	See Appendix III
C	We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection lan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME code, Section XI. Sertificate of Authorization No. (if applicable) NA Expiration Date NA Tennessee Valley Authority by Manual County C
. 1	CERTIFICATE OF INSERVICE INSPECTION
	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 Connecticut have inspected the components described in this Owner's
	eport during the period $11-19-05$ to $3-22-06$, and state that
	the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective easures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code,
	ection XI.
In	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, oncerning the examinations, tests and corrective measures described in this Owner's Report. Furthermore, neither the spector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any arising from or connected with this inspection.
	Land Flord Commissions TN 4011
	Inspector's Signature National Board State, Province, and Endorsements ale June 7, 2006

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet 2 of 4

APPENDIX I

Appendix I addresses item 13, Abstract of Examinations and Tests, on the Form NIS-1. Appendix I provides a list of the Class 1 and 2 System Pressure Tests performed on BFN Unit 3 during the First Inspection Period, Third Inspection Interval, during Operating Cycle 12.

The following Class 1 and Class 2 System Pressure Test was performed during the U3C12 refueling outage.

3-SI-3.3.1.A Reactor Vessel and attached piping (Class 1 and 2)

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet 3 of 4

APPENDIX II

Appendix II addresses item 14, Abstract of Results of Examinations and Tests, on the Form NIS-1. Appendix II provides a list of results from the Class 2 System Pressure Tests performed on BFN Unit 3 during the First Inspection Period, Third Inspection Interval, during Operating Cycle 12.

Eight (8) relevant leaks were identified during the system pressure test (3-SI-3.3.1.A) covered by this report. The leaks are listed below.

3-FCV-74-54	leak at bolted body to bonnet connection
3-FCV-74-68	leak at bolted body to bonnet connection
3-ISV-043-0599	leak at bolted body to bonnet connection
3-CRDM-85-26-31	leak at bolted flange connection
3-CRDM-85-10-51	leak at bolted flange connection
3-CRDM-85-02-19	leak at bolted flange connection
3-FCV-85-40D/4235	leak at threaded access port connection
3-CKV-85-616/5047	leak at bolted body to bonnet connection

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet 4 of 4

APPENDIX III

Appendix III addresses item 15, Abstract of Corrective Measures, on the Form NIS-1. Appendix III provides a list of corrective measures from the Class 2 System Pressure Tests performed on BFN Unit 3 during the First Inspection Period, Third Inspection Interval, during Operating Cycle 12.

For all leaks identified at bolted connections, an evaluation of the bolted connection structural integrity, susceptibility of the bolting to corrosion and potential failure was conducted.

3-FCV-74-54

leak at bolted body to bonnet connection

Evaluated condition; no further actions were required.

3-FCV-74-68

leak at bolted body to bonnet connection

Evaluated condition; no further actions were required.

3-ISV-043-0599

leak at bolted body to bonnet connection

Evaluated condition; no further actions were required.

3-CRDM-85-26-31

leak at bolted flange connection

Evaluated condition; per GE recommendations no further actions were required.

3-CRDM-85-10-51 leak

leak at bolted flange connection

Evaluated condition; per GE recommendations no further actions were required.

3-CRDM-85-02-19

leak at bolted flange connection

Evaluated condition; per GE recommendations no further actions were required.

3-FCV-85-40D/4235 leak at threaded access port connection

Evaluated condition; valve replaced under Work Order 06-713598-000.

3-CKV-85-616/5047 leak at bolted body to bonnet connection

Leakage stopped, no further actions were required.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS As Required by the Provisions of the ASME Code Rules

				 	
				Sheet 1	of <u>4</u>
1. Owner Tennessee Valle	y Authority (TVA), 1101 N	Market St., Cha	ittanooga, TN 37-	402-2801	
		(Name and Address	of Owner)		
_		_		•	
Plant Browns Ferry Nu	clear Plant (BFN), P. O. I	Box 2000, Dec	atur, AL 35609-2	000	
•		(Name and Address	of Plant)		
		-			
3 Plant Unit3	4.	Owner Certifica	ite of Authorization	n (if required) <u>N</u>	ot Required
					
S Communical Commiss Date	03/01/1977 6. I	National Doord	Nicomban for Linia	Not Dom	dan al
5. Commercial Service Date	<u> </u>	National Board	Number for Unit	Not Requ	uirea
7. Components Inspected	يها بيستان و - س	•			
,					
	l l		Manufacturer	· · · · · · · · · · · · · · · · · · ·	
Component or	Manufacture	er	or Installer	State or	National
Appurtenance	or Installer		Serial No.	Province No.	Board No.
Main Steam System	TVA		N/A	N/A	N/A
Core Spray System	TVA		N/A	N/A	N/A
Residual Heat Removal System	TVA		N/A	N/A	N/A
•					
High Pressure Coolant Injection	TVA		N/A	N/A	N/A
System			, ,,,	, , , , ,	,
Reactor Core Isolation Cooling	TVA		N/A	N/A	N/A
System System	170	1	177	144	IWA
System					
		İ	i		
		i	ł		
		İ		1	
		.		1	İ

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

FORM NIS-1 (Back)

8.	Examination Dates 04/07/2004 to 11/18/2005
9.	Inspection Period Identification Third Period, 11/19/2002 to 11/18/2005
10.	Inspection Interval Identification Second Interval, 11/19/1996 to 11/18/2005
11.	Applicable Edition of Section XI 1989 Addenda None
12.	Date/Revision of Inspection Plan 01/22/1997 / Revision 0
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 II
45	
15.	Abstract of Corrective Measures.
	See Appendix III
C	We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI. Certificate of Authorization No. (if applicable) N/A Expiration Date N/A Date Code, Section XI. Certificate of Authorization No. (if applicable) N/A Expiration Date N/A Date Code, Section XI.
	CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
a	nd the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's
to m	the period 4-7-04 to 11-18-05 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective neasures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,
Ir	oncerning the examinations, tests and corrective measures described in this Owner's Report. Furthermore, neither the aspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any indiarising from or connected with this inspection.
_	Commissions TN 17011 Inspector's Signature National Board State Province, and Endorsements
D	tate

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet 2 of 4

APPENDIX I

Appendix I addresses item 13, Abstract of Examinations and Tests, on the Form NIS-1. Appendix I provides a list of the Class 2 System Pressure Tests performed on BFN Unit 3 during the Third Inspection Period, Second Inspection Interval, during Operating Cycle 12.

3-SI-3.3.1.C	Main Steam (Class 2)	partial boundary coverage - 3C RFPT steam supply piping - 3B SJAE steam supply piping
3-SI-3.3.6	Core Spray (Class 2)	Loops I and II
3-SI-3.3.8.A	Residual Heat Removal (Class 2)	Loop I
3-SI-3.3.8.C	Residual Heat Removal (Class 2)	Loop II
3-SI-3.3.9	High Pressure Coolant Injection (Class	ss 2)
3-SI-3.3.10	Reactor Core Isolation Cooling (Class	32)

Owner:

TENNESSEE VALLEY AUTHORITY

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet ___3 of _4_

APPENDIX II

Appendix II addresses item 14, Abstract of Results of Examinations and Tests, on the Form NIS-1. Appendix II provides a list of results from the Class 2 System Pressure Tests performed on BFN Unit 3 during the Third Inspection Period, Second Inspection Interval, during Operating Cycle 12.

Three (3) relevant leaks were identified during the system pressure tests covered by this report. The leaks are listed below.

One (1) leak was identified during 3-SI-3.3.8.A, Residual Heat Removal, Loop I (Class 2) 3-RTV-043-0158 leak at bolted body to bonnet connection.

One (1) leak was identified during 3-SI-3.3.8.C, Residual Heat Removal, Loop II (Class 2) 3D RHR heat exchanger leakage at bolted flange connection.

One (1) leak was identified during 3-SI-3.3.9, High Pressure Coolant Injection (Class 2) 3-PRO-73-0724 leakage at bolted flange connection.

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

FORM NIS-1 Sheet ___4__ of __4__

APPENDIX III

Appendix III addresses item 15, Abstract of Corrective Measures, on the Form NIS-1. Appendix III provides a list of corrective measures from the Class 2 System Pressure Tests performed on BFN Unit 3 during the Third Inspection Period, Second Inspection Interval, during Operating Cycle 12.

For all leaks identified at bolted connections, an engineering evaluation of the bolted connection structural integrity, susceptibility of the bolting to corrosion and potential failure was conducted in accordance with Request for Relief 3-SPT-4, (Proposed Alternative to IWA-5250, Corrective Measures for Leakage at Bolted Connections, approved by the NRC in the letter dated April 8, 1999 (L44 990414 002)).

3-RTV-043-0158 leak at bolted body to bonnet connection Evaluated per 3-SPT-4, Work Order 04-720588-000 initiated to correct leakage.

leakage at bolted flange connection 3D RHR heat exchanger Evaluated per 3-SPT-4, Work Order 04-723247-000 initiated to correct leakage.

3-PRO-73-0724 leakage at bolted flange connection. Evaluated per 3-SPT-4, Work Order 05-710168-000 corrected leakage.

ENCLOSURE 2

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT (BFN) UNITS 2 AND3 AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), SECTION XI, THIRD TEN-YEAR INSPECTION INTERVAL

REPAIR AND REPLACEMENT PROGRAM

UNIT 3 SUMMARY REPORT (NIS-2) FOR CYCLE 12 OPERATION UNIT 2 SUPPLEMENTAL SUMMARY REPORT (NIS-2) FOR CYCLE 13 OPERATION

(SEE ATTACHED)

BROWNS FERRY NUCLEAR PLANT

UNIT 3 CYCLE 12

ASME SECTION XI

NIS-2 OWNER'S REPORT

OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

APPENDIX I	Summary of Repair and
	Replacement Activities
APPENDIX II	Form NIS-2 Owner's Report
·	For Renairs or Replacements

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit: Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

APPENDIX I

SUMMARY OF REPAIR AND REPLACEMENT ACTIVITIES

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

WID	SYS	ORG	CLASS	ACTIVITY
05-720205-000	085	MAINT	2	REPLACEMENT
04-719493-000	073	MAINT	2	REPLACEMENT
06-710779-000	068	MAINT	1	REPLACEMENT
05-715980-000 05-719566-000	075	MAINT	2	REPLACEMENT
05-711514-000 05-720206-000 05-724436-000 06-710407-000	085	MAINT	2	REPLACEMENT
03-004243-000 03-004255-001 03-004244-000 03-004268-001	001	MAINT	1	REPLACEMENT
04-722413-000 through 04-722413-023 04-722413-026 04-722413-027 04-722413-085 04-722413-112 04-722413-113 04-722413-116 04-722413-117	001	MAINT	2 2 2 2 1 2 2 2 2 2	REPLACEMENT

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

WID	SYS	ORG	CLASS	ACTIVITY
04-722413-070	003	MAINT	1	REPLACEMENT
04-722413-080 04-722413-081	068	MAINT	1	MODIFICATION
04-722413-068	063	MAINT	2	REPLACEMENT
05-715977-000 05-715978-000 05-715979-000 05-719565-000	074	MAINT	2	REPLACEMENT
05-715981-000 05-716126-000	075	MAINT	2	REPLACEMENT
DCN 65602 05-721766-000 05-721767-000 05-721768-000 05-721769-000 05-717705-004	001	MAINT	2	REPLACEMENT
05-717705-000 05-717705-004	006	MAINT	2	REPLACEMENT
EDC 61548 04-716165-002 04-716165-003	073	MAINT	2	REPLACEMENT
DCN 62156 04-720059-000 04-720059-004	001	MAINT	. 1	REPLACEMENT
DCN 64390 05-717803-000 05-717803-001	001	MAINT	2	REPLACEMENT

02-006178-000	063	MAINT	2	MODIFICATION
04-720552-000	069	MAINT	1	REPLACEMEN'
05-714949-000	071	MAINT	2	REPLACEMEN
DCN T39906A & 61144 04-715368-000	001	MAINT	1	REPLACEMENT
DCN S18883A 05-718042-000	085	TVA	1	REPLACEMENT
05-721003-000	001	MAINT	2	REPLACEMENT

٠.,

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit: T

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

LEGEND

WID - Work Implementing Document

Example:

A99999A or 50000A refers to a Design Change Notice

99-99999-999 refers to a Work Order

SYS- System

1 - Main Steam

3 - Reactor Feedwater

6 - Heater Drains & Vents

8 - Turbine Drains

10 - Reactor Drains, Vents

and Blowdown

63 - Standby Liquid Control

68 - Reactor Water Recirculation

69 - Reactor Water Cleanup

71 - Reactor Core Isolation Cooling

73 - High Pressure Coolant Injection

74 - Residual Heat Removal

75 - Core Spray

85 - Control Rod Drive

92 - Neutron Monitoring

ORG - Organization which performed the WID

MAINT - TVA's Maintenance Organization

GE

- General Electric Company

TVA

- Work performed by Stone and Webster Engineering Corporation

or Framatome utilizing TVA's Quality Assurance Program and procedures

CLASS - Refers to ASME Code Class 1 or 2

ACTIVITY - Classifies work activity as being repair, replacement or modification

Owner: TENNESS

TENNESSEE VALLEY AUTHORITY

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit:

Three

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1977

National Board Number for Unit:

Not Required

APPENDIX II

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	Tennessee	e Valley Authority (TVA)		Date	January 19	2006		
••	•	1101 Mari	Name	<i>/</i>		24.0	- Canaday 10			,
			ga, TN 37402-2801		_	Sheet	1 c	f 1		
			Address							
2.	Plant	Browns Fe	erry Nuclear Plant (BFI	N)		Unit	3			
		P. O. Box	Name 2000, Decatur, AL 35 Address	609-2000		Work C	Order (WO)		OO OO JOD NO	
•	Mad Da	da				Tuno C				eic.
3.	work Pe	nformed by	Name		_	-	ode Symbol S	· —	VA	
•		P. O. Box	2000, Decatur, AL 35 Address		_	Expiration	_	N/A VA		
						Фриан	on Date	<u> </u>		· · · · · · · · · · · · · · · · · · ·
4.	Identifica	tion of Syste	m System 085, Cor	trol Rod Drive (CRE) System (ASME Code	Class 2 equi	valent)	 	-
5. (á	a) Applio	cable Constr		lator ASME Section ISAS B31.1.0	VIII 19 <u>67</u>	Edition	. <u>N/A</u>	Adde	nda, <u>N/A</u> (Code Case
(i	o) Applio	able Edition	of Section XI Utilized fo	or Repairs or Replac	ements 19	95 Edition,	1996 Addend	<u>a</u>		
6.	Identificat	ion of Comp	onents							
	Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other tification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
	RAM Water	· · · · · · · · · · · · · · · · · · ·	General Electric	H0910	N/A	3-ACC-C	85-718/5039	1969	Removed	Yes
SCF	RAM Water umulator	·	General Electric	H1719	N/A	3-ACC-0	85-718/5039	1978	Installed	Yes
									ļ	
	•	· · · · · · · · · · · · · · · · · · ·								
<u> </u>			<u>. </u>		<u> </u>		•••		*	L
7.	Description	on of Work	Replaced accumulator	·.						
		• •								
8.	Tests Cor	nducted: F	lydrostatic	neumatic	Nominal C	Operating Pre	essure 🛚	Exempt		
			Other Press	sure <u>N/A</u> ps	i Tes	t Temp.	N/A °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.

^{*}as amended by additional quality assurance requirements found in PEG Pkg 050222-ABF490HG0 and Design Criteria BFN-50-7085 and BFN-50-C-7105.

FORM NIS-2 (Back)

	Applicable Manufacturer's Data R	Reports to be attached	
•			
			
	CERTIFICATE OF COM	ADLIANCE	
•	CERTIFICATE OF CON	IPLIANCE	
certify that the statements made in the report a	re correct and this conforms to	the rules of the ASMF Co	de Section XI
,	to contact and this comonition to	THE PROPERTY OF THE PROPERTY OF	00, 000,00174.
ype Code Symbol Stamp N/A	•		
ertificate of Authorization No. N/A		Expiration Date N/A	
0/-1/-1-11	\bigcap		11/2/
igned Tash (1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	, System Engineer	Date	$\frac{4/26}{2000}$. 20 00
Owner or Owner's Desig	nee Title		/
			
	CERTIFICATE OF INSERVIC		
I, the undersigned, holding a valid commis Province of Tennessee	sion issued by the National Bo and employed by		Vessel Inspectors and the State o
Connec			pected the components described
this Owner's Report during the period	10/31/05	0 5/5/06	, and state that
the best of my knowledge and belief, the Owne		and taken corrective meas	ures described in this Owner's
eport in accordance with the requirements of the By signing this certificate neither the Inspe		ny warranty expressed or i	molied concerning the
aminations and corrective measures described			
y manner for any personal injury or property da			
	•		
0 11 1		٠	
I flow	Commissions	TN4011	

PEG PKG NO. 050222-ABP490HG0 PAGE 68 OF 87

FORM U. MANUFACTURERS' DATA REPORT FOR ESSURE VESSELS (Alternate Form for Single Chamber, Completely Shop-Febricated Vessels Only) As Required by the Previsions of the ASME Code Rules, Section VIII, Division 1

9 C Hay 780 Wileington W.C.	
1. Manufectured by General Electric Company, P.O. Box 780, Wilmington, H.C. 2. Manufactured for Same As Above	
and the second of the second o	(079
4. TypeVERTICAL Profile to 1	
5. The chamical and physical properties of all perts ment the requirements of numberel specifications of the ASI AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VI.	ME BURLEN L Division 1
1974 and Addenda to and Code Case Nos	
As Per this bath Report See Remarks Date	
Manufacturors' Partial Data Reports properly identified and signed by Commissioned Importors have been to	mushed for
the following stems of the report:	
6 Shall: Mett SA-106 Gr. B. Inc	2.38 15
(Spec No. Gods) 7. Seams: Long NA Scapless A.T. WA Efficiency To M.H.T. Tump. The Time. (Wedded, Do. Soul, Long Box. (Open or full) 1. July Development.	br
Girth 130 Welding Performed the Spel tra foul (Spec Paret or full)	•
(3. Mataria) Sq. 182-1304	
(She wor Chase	
Liceton Blue Con Crown Straight Price Corect! Mindage His Indeas. (Lo. Botton, Ends) The Acres Berline headed Harry Apare Angelon Feetus Dem (Converti	Curent
75" 2.39 Fla	thead.
Bottom 2.5 Fia	thead
if removable, bolts used (discrib) other fusionings) . SCO-13 ROLLS -ASME-SAI93-1/7 for Spil (Material, Spic No. fir. Suc. No.)	10 1 1000
Contracted for the allowable victims tracked 2100 to at max temp 400. F. Min to	map (where
less then 20 f)	
10 Safety Velve Outlets: Number HandSize	·
Private Pratty Private	
ide, Outer, Drain No. or Sugar State	(1)
Gas Port 1 .75" Split Flug 30455 1.300 Mone Bolts. Water Port 1 .97" Split Flug 30455 1.300 Mone Bolts.	(4) Lat.: (4) Lap
And the second s	
The second secon	• •
the same of the sa	
12 Supports Short No Logs Legs Office Greens Atteched (reserve)	i i ai
13 Remeris: Complete Sechanical Association with No Worlden 19th.	
Although A Differential Pressure Exists on each side of the Internal f	Let qui,
	.0V#4
The Eydro Test pressure is based on the higher design breakure.	
CERTIFICATE OF COMPLIANCE	
We certify that the startments made in this report are correct and that all distals of digital, marked, executes	ction, and
We could that the interior to real on this report and burnet had that an arrang of Alexand which the other control to the Alfa Code to control to the Alexand that are the Alexan	
the HILLS Committee of the Committee of	
the period of Action and the 10,572.	10_51
CURNICATE OF SHOP INSPECTION	
Company Protriction of Wilmington, Rand	
Voted made by White the first that he had been send for the design very little and be the send very all	
Land to the State or December of L. Carolina and employed by the figure of the care of the	CC
	ctate that
	ance vitti
ASME Code. Section VII, Division 1. By Signing this continuous in the Manufacturers. Date Purport, Furthermose in the Manufacturers. Date Purport, Furthermose the hispestor right is employer shall be juble in any menner for any personal injury or property damage or a figure in the hispestor right is employer shall be juble in any menner for any personal injury or property damage or a figure.	
kind erising frem syconor and with sex inspiration. 7/18/78	017.70
Signed Deter 7/18/78 Commissions RC 723.24. WC1766	I ON boa
is a residual	

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner Tennes	see Valley Authority (TVA)		Date	January 19, 2	006		
1101 M	Name Market Street			,				
Chatta	nooga, TN 37402-2801			Sheet	1 of	1		
	Address		_			 -		
2. Plant Brown	s Ferry Nuclear Plant (BFI	N)		Unit	3			
P. O. E	Name Sox 2000, Decatur, AL 35	6609-2000	_	Work C	order (WO) 04-			
	Address		_		Repair/Replaceme	nt Organizati	on P.O No Job No	etc
3. Work Performed I				Type Co	ode Symbol Star	mp N	/A	· · · ·
P. O. E	Name Sox 2000, Decatur, AL 35	609-2000		Authoriz	ation No. N	Ά		
	Address		_	Expiration	on Date N/A			
	0.44.070.154	. D		001) 0				
4. Identification of Sy	stem System 0/3, High	Pressure Coolant I	Injection (HF	CI) System	(ASME Code C	Jiass 2 eq	uivalent)	
	valve AS	SME Section III, Clas	ss 2 1989 (le	ess N stamp)				•
5. (a) Applicable Co	nstruction Codepiping L	SAS B31.1 0	19 67	Edition,	N/A	Addenda	ı, <u>N/A</u>	Code Case
(b) Applicable Edi	tion of Section XI Utilized fo	or Repairs or Replac	ements 20	01 Edition.	2003 Addenda			
(-, -, -, -, -, -, -, -, -, -, -, -, -, -			•			_		
(c) Applicable Sec	tion XI Code Case(s)							
6. Identification of Co	mponents							
								ASME
								Code
Name of	Name of	Manufacturer	National Board	(Other	Year	Corrected, Removed, or	Stamped (Yes
Component	Manufacturer	Serial No.	No.		tification	Built	Installed	or No)
								
HPCI Steam Supply Valve	Anchor/Darling 10"-900# DD Gate	E413A-1-1	N/A	3-FCV	-073-0016	1998	*	No
		* - ren!:	aced valve di	ec		اا		1
valve disc	Anchor Darling	N/A	N/A		-073-0016	1998	Removed	No
valve disc	Flowserve	N/A	N/A	3.FCV	-073-0016	2002	Installed	No
VAIVE UISC	1 lowselve	187		0100	-070-0010	2002	mstaned	"
<u> </u>						<u> </u>		<u> </u>
7. Description of Wor	k Replaced valve disc w	ith a new valve dico						
7. Description of 44 of	R Replaced valve disc w	illi a new valve disc		····				
0 T-4-0					K-71		<u> </u>	
8. Tests Conducted:	Hydrostatic F	neumatic	Nominal (Operating Pre	essure 🔀	Exempt	Ц	
	Other Press	sure <u>N/A</u> psi	i Te	st Temp	N/A °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.

^{*}as amended by additional quality assurance requirements found in Contract 1721-0076 and Design Criteria BFN-50-7073 and BFN-50-C-7105.

FORM NIS-2 (Back)

	d valve disc with a new valve disc	Manufacturer's Data Reports to be attach	ed
	·		
	CERTI	FICATE OF COMPLIANCE	
	CEATH	PICATE OF COMPERATOR	
cortify that the stateme	onts made in the report are correct and	d that this conforms to the requir	ements of the ASME Code, Section XI.
Certify that the stateme	This made in the report are correct and	2 mar mis comornis to the requi	chiefle of the AdML dode, decilor XI.
Type Code Symbol Stan	np N/A		
ype code Symbol Stan	147		
Pertificate of Authorizati	on No. N/A	Expiration Da	ate N/A
Seruncate of AdditionZati	107	Expiration be	inc
Signed Stable	Califfel Syste	em Engineer Date	1-20 2001
signed of the same	Owner or Owner's Designee, Title	SIT Engineer Date	.20 91
<u> </u>			
• :	•		
	- =	E OF INSERVICE INSPECTION	
I, the undersigned r Province of		by the National Board of Boiler an aployed by	d Pressure Vessel Inspectors and the State HSB CT of
- Tovince of	Connecticut	ployed by	have inspected the components described
this Owner's Report de		2/25 to 3/	3/06 , and state that
the best of my knowled	dge and belief, the Owner has perform	ned examinations and taken corr	ective measures described in this Owner's
	th the requirements of the ASME Cod		
	tificate neither the Inspector nor his e		pressed or implied, concerning the r the Inspector nor his employer shall be liable in
	onal injury or property damage or a los		
ny mamor for any polon	with injury or proporty cannage or cree		model mar and mopeoners.
_			
\bigcirc	_		
0.0.	II 0	Commissions TN 401	<i>/</i>
Send	Flant C	Commissions 7N 401	onal Board State Province and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner Tennesse	ee Valley Authority (TVA)		Date January 25, 2	006		
	1101 Ma	Name urket Street						
	Chattano	ooga, TN 37402-2801			Sheet 1 of	1	·	
_		Address						
2.		Ferry Nuclear Plant (BFI	<u> </u>		Unit 3			
	P. O. Bo	x 2000, Decatur, AL 35 Address	609-2000		Work Order (WO) 06- Repair/Replacement		ion P.O. No . Job No	etc
3.	Work Performed by				Type Code Symbol Star	mp <u>N</u>	VA	
	P. O. Bo	x 2000, Decatur, AL 35	609-2000	_	Authorization No. N	A		
		Address			Expiration Date N/A			
4.	Identification of Syst	tem System 068, Rea	ctor Recirculation S	System (ASN	ME Code Class 1 equivalent))		
		supports	s AISC 8th Ed. and	MSS-SP-58.	1967	_		
5. (a) Applicable Cons	• •	SAS B31.1.0	19 67		Adde	nda, N/A	Code Case
(1	b) Applicable Editio	on of Section XI Utilized fo	r Repairs or Replac	ements 20	01 Edition, 2003 Addenda			
				_				
6.	Identification of Com	ponents						
		<u> </u>				T		
								ASME Code
	Name of	Name of	Manufacturer	National Board	Other	Year	Corrected, Removed, or	Stamped (Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	or No)
snul	ober connection pin	Bergen Patterson	N/A	NA	3-47B465-513 3-SNUB-068-5001	N/A	Removed	No
snul	ober connection pin	Bergen Patterson	N⁄A	N/A	3-47B465-513 3-SNUB-068-5001	N/A	Installed	No
								·
				<u> </u>		<u> </u>	<u> </u>	L.,J
7.	Description of Work	Replaced snubber con	nection pin with a p	in from the sa	ame application/location on L	Jnit 1.		
8.	Tests Conducted:	Hydrostatic P	neumatic 🔲	Nominal C	perating Pressure	Exempt		
		Other 🛛 " Press		i Tes	t Temp. <u>N/A</u> °F			
		** - VT-3 exam	of support					

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.

^{*}as amended by additional quality assurance requirements found in Design Criteria BFN-50-7068 and BFN-50-C-7105.

FORM NIS-2 (Back)

WID. <u>06-710779-000</u>
9. Remarks Replaced snubber connection pin with a pin from the same application/location on Unit 1.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
•
I certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Definicate of Administration No.
Signed Stephe (1) (Mar), System Engineer Date 4/27, 20 06
Owner at Owner's Destronce. Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of
Connecticut have inspected the components described
in this Owner's Report during the period 1-20-06 to 5-4-06 , 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.
any mariner for any personal injury or property damage of a loss of any kind ansing from or connected with this inspection.
Commissions TN 4011
Inspector's Signature National Board, State, Province, and Endorsements
Data 5 / 11 00 0/a
Date

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennesse	e Valley Authority (TVA)	· · · · · · · · · · · · · · · · · · ·	Date February 13	2006		
1101 Mar	Name ket Street	<u>.</u>				· -	
Chattanoo	oga, TN 37402-2801		_	Sheet 1 of	1		
	Address						
	erry Nuclear Plant (BFI	· · · · · · · · · · · · · · · · · · ·		Unit 3			
P. O. Box	2000, Decatur, AL 35 Address	5609-2000		Work Orders (WOs) Repair/Replacem		000 and 05-719 on P.O. No. Job No.	
3. Work Performed by			_	Type Code Symbol St	amp N	/A	
P. O. Box	2000, Decatur, AL 35	609-2000		Authorization No. No.	VA		
	Address			Expiration Date N	A		
4. Identification of Syste	em System 075, Core	e Spray System (A	SME Code C	ass 2 equivalent)			
5. (a) Applicable Const	ruction Code USAS E	331.1.0 19	67 * Edit	ion, N/A	Addenda,	N/A C	Code Case
(b) Applicable Edition	n of Section XI Utilized fo	or Repairs or Replace	ements 20	01 Edition, 2003 Addenda	<u> </u>		
			_				
Identification of Comp	oonents	<u> </u>	,				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PSC Water Fill Check	Hancock	N/A	N/A	3-CKV-075-0609	N/A	‡	No
Valve PSC Water Fill Check	5580W Hancock	N/A	N/A	3-CKV-075-0610	N/A	+	No
Valve	5580W	<u> </u>				T	<u> </u>
cap	Hancock	≠ - Replaced	valve disc a	nd cap 3-CKV-075-0609	I N/A	Removed	l No
	Tiancock	147		5-CRV-075-0005 .	_ ' "	rtemoved	140
cap	Anderson Greenwood Crosby	N900132-31-01	N/A	3-CKV-075-0609	N/A	Installed	No
lisc	Hancock	N/A	N/A	3-CKV-075-0609	N/A	Removed	No
lisc	Anderson Greenwood Crosby	N900133-31-12	N/A	3-CKV-075-0609	N/A	Installed	No
ар	Hancock	N/A	N/A	3-CKV-075-0610	N/A	Removed	No
ар	Anderson Greenwood Crosby	N900132-31-06	N/A	3-CKV-075-0610	N/A	Installed	No
isc	Hancock	N/A	N/A	3-CKV-075-0610	N/A	Removed	No
isc	Anderson Greenwood Crosby	N900133-31-10	N/A	3-CKV-075-0610	N/A	Installed	No
. Description of Work	Replaced valve disc an	d cap (bonnet) with	vendor suppl	er parts of new more corre	osion resista	ant material.	
B Tests Conducted: F	lydrostatic	neumatic	Nominal Op	perating Pressure	Exempt	L	
c	Other Press	ure <u>N/A</u> psi	Test	Temp. N/A °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.

^{*}as amended by additional quality assurance requirements found in 0-47BM435-11-3 and Design Criteria BFN-50-7075 and BFN-50-C-7105.

FORM NIS-2 (Back)

9.	WOs 05-715980-000 and 05-719566-000 Remarks Replaced valve disc and cap (bonnet) with vendor supplier parts of new more corrosion resistant material.
	Applicable Manufacturer's Data Records to be attached
•	
•	
•	
-	
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Stand 11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1
	Owner or Owher's Destrigee Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of Tennessee and employed by HSB CT of
-	in this Owner's Report during the period 2-2-06 to 5-12-06 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 TN4011
-	Inspector's Signature National Board State Province and Endorsements
	Date 5/12 20 06
1	Date

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

									
1.	Owner Tennessee	e Valley Authority (TVA))		Date	April 26, 2	006		
	1101 Mark	Name (et Street							
	Chattanoo	ga, TN 37402-2801			Sheet	1	of 1		
		Address	- ·					***	
2.	Plant Browns Fe	erry Nuclear Plant (BFN	J)		Unit	3			
	P.O Box	Name 2000, Decatur, AL 35	609-2000		Work C 05-724	rders (WO) 436-000 and	05-711514 06-710407	-000, 05720206-0 000	00
		Address				Repair/Replac	ement Organiza	tion P.O. No. Job No.	etc
3.	Work Performed by				Туре С	ode Symbol	Stamp _	WA	
	P. O. Box	2000, Decatur, AL 35	609-2000		Authoria	zation No.	N/A		
•		Address			Expirati	on Date	N/A		`
4.	Identification of Syste	m System 085. Con	trol Rod Drive Sys	tem (ASM)		-
••	. John Jyon		ulators - ASME Se				<u> </u>		
5. (a	a) Applicable Constr		•	· · · · · · · · · · · · · · · · · · ·	dition,	N/A	Addenda		Code Case
(I	o) Applicable Edition	of Section XI Utilized fo	r Repairs or Repla	cements 20	01 Edition,	2003 Adden	da		
(0	Annlicable Section	n XI Code Case(s)							
		• •							
6. 	Identification of Comp	onents	· · · · · · · · · · · · · · · · · · ·	T	.	_			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Oth Identifi	-	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
	D Hydraulic Control Accumulator	General Electric	C0007	NA	3-ACC-085	-718/3459	1969	Removed	Yes
CRE	Hydraulic Control Accumulator	General Electric	H1451	N/A	3-ACC-085	-718/3459	1978	Installed	Yes
	D Hydraulic Control	General Electric	C0053	N/A	3-ACC-085	-718/4635	1969	Removed	Yes
	Accumulator D Hydraulic Control	General Electric	H1672 ·	N/A	3-ACC-085	718/4635	1978	Installed	Yes
	Accumulator	General Electric	11072	IVA	3-ACC-063	-7 10/4035	1976	installed	168
	Hydraulic Control Accumulator	General Electric	C0005	NA	3-ACC-085	-718/3419	1969	Removed	Yes
CRE	Hydraulic Control Accumulator	General Electric	H1247	N/A	3-ACC-085	718/3419	1978	Installed	Yes
CRE	Hydraulic Control Accumulator	General Electric	H0823	NA	3-ACC-085	718/5447	1969	Removed	Yes
CRE	Hydraulic Control Accumulator	General Electric	H1704	N/A	3-ACC-085	718/5447	1978	Installed	Yes
7. 8.		<u> </u>	aulic Control Unit a	Nominal	Operating Pro		Exemp =		
					-				

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.

^{*}as amended by additional quality assurance requirements found in Contract 90744, vendor manual VTD-G080-0755, PEG pkg ABF490H-UPGR and Design Criteria BFN-50-7085 and BFN-50-C-7105.

FORM NIS-2 (Back)

WID: 05-711514-000, 05720206-000, 05-724436-000 and 06-710407-000

CERTIF	TIFICATE OF COMPLIANCE
	14 All 2015 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
rity that the statements made in the report are correct and	nd that this conforms to the requirements of the ASME Code, Section XI.
	·
e Code Symbol Stamp N/A	
tificate of Authorization No. N/A	Expiration Date N/A
	4/20
ned System ,	stem Engineer Date <u>7/2()</u> , 20 (
Office of Office State Time	
·	
OCCUTIONAL	TE OF WATERWAY IN THE COLOR
	TE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the State
	mployed by HSB CT
HART Ford Connecticut	have inspected the components described
is Owner's Report during the period 11/3/0 5	
ie best of my knowledge and belief, the Owner has perform ort in accordance with the requirements of the ASME Code	rmed examinations and taken corrective measures described in this Owner's
	employer makes any warranty, expressed or implied, concerning the
	ner's Report. Furthermore, neither the Inspector nor his employer shall be liable
	oss of any kind arising from or connected with this inspection.
Bruce W. Earnigh C	Commissions TN 2534

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS (Alternate Form for Single Chamber, Completely Shop-Fabricated Vossels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

. Manday and D. General Flectric Company, P.G. Box 780, Wilmington, N.C.	
1. Minoriscituted by	
2. Manufactured for	
4 Type Vertical H1451 105D6138C001 N/R Year Bu	uili) 1978
(Moriz, or vert tanh) (Migra Scrial No.) (CRN) (Drawing No.) (Not'l Bid No.)	
5. The chemical and physical proporties of all parts meet the requirements of material specifications of the ASN AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII	VIE BUILER
1974 and Addenda to S'75 and Code Case Nos. ——	, Division i
(Near) (Dete) As Per This Data Peport - See Remarks Below	
Speciel 2017/100 per 0 017/0(0)	spiebud for
Manufecturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been ful the following items of the report:N/A	rnished for
No.	
6. Shell: Matl. SA-106 Gr. B. Thk	2.38 in.
(Spec No., Grade) 7. Soams: Long N/A Seamlass R.T. N/A Efficiency TT % H.T. Temp. TT F Time Wirlded Dby. Sngl. (sp. Bun) (Spot or Full) (Size No. Helding Performed R.T. TT No. of Source	hr
Ginh No Welding Parformed	
(Welded, Dbl, Sngl. Lep. Bun) (Spot, Pertial, or Full)	·
B. Heads: (a) Material Sa-182-F304 (b) Material Sa-182-F304 (Spec. No., Grade) (Spec. No., Grade)	
Location Min Corr. Crown Knuckle Ellipse Conicel Homseph. Flat Side to Pr	(4480/8
(Top. Bottom, Ends) This Allow, Radius Redius Redius Apiza Angle Radius Diam. (Consea or C	Conceval
7./30	head_
(0) 50000111 - 213	head
If removable, bolls used (describe other fastenings)	t Flanges (4)
(Material, Spec. No. Gr., Suo, No.) 9. Constructed for max, allowable working pressure 2100 psi at max, temp. 400 F. Min. ten	
less than -20 F) F. Hydrostatic, preumatic, or combination test pressure 3200 psi.	rip. (irriwii
10. Salety Velve Outlets: Number Nonesize Location	
11. Noziles and Inspection Openings:	
Pulpose Diam. Nom Reinforcoment How Brills Outlet, Diain) 1/0 of Size Type Mail The Mail, Attached	Location
20/55 1 050	4) Eattom.
20/55	4) Top
	
	···
	
	
2. Supports: Skin NO_LugsLegsOtherAttached(Where and h	ow)
(Yesorno) (No) (No) (Describe) (Describe) (Where and he amarks: Complete Mechanical Assembly with No Welded Joints.	
	
Although A Differential Pressure Exists on each side of the Internal Piston the Accumulator Cylinder is Hydrostatically tested with the Piston remay	
The Hydro Test pressure is based on the higher design pressure	<u>veu-</u>
The state of the s	
CENTIFICATE OF COMPLIANCE	.]
CERTIFICATE OF COMPLIANCE	.
We certify that the statements made in this report are correct and that all details of dozion, paterial construction	en, and
workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII Division 1	
[Manufacturer] (Sepresentative)	
"U" Certificate of Authorization No. 10,572 expires June 10, 19	21
CERTIFICATE OF SHOP INSPECTION	1
Vessol made by General Electric Coat Wilmington, N. C	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Insp	1
and/or the State or Province ofNCarolina and employed by _Dept_Of_Labor_ have inspect	
pressure vessel doscribed in this Manufacturers' Data Report on	. 1
o the best of my knowledge and bolief, the Manufacturer has constructed this pressure vessel in accordance ASME Coda, Section VIII, Division 1. By signing this cortificata neither the Inspector nor his employer makes any wai	
expressed or iniplied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, in	I
he Inspector sor his employer shall he liable in any manner for any personal injury or property damage or a loss	
ind existing from of confided with his inspection	WIO //W
igned _ Ce / _ / Morill Date . 6/8/78 Commissions NC 723 PA. WC1766, O (Not'l Board, State, Province and	10 13/0

PEG PKG NO. 050222-ABF490HG0 PAGE 62 OF 87

FORM U41, MANUFACTURERS' DATA BEFORE FOR FILESCHE VESSELS (Alternato Form for Single Chamber, Con alictely Shop-Febricated Vassels Only) As Required by the Provisions of the ASIGE Code Bules, Section Vill, Division 1

								
1. Manufectured by	Leneral F	Jeergle, C	ompany.	1.0. Box 7	80, Wilm	<u>ington, N</u>	<u>.c.</u>	
2. Manufactured for		gue les lib	טעפ					
3 Location of Initialia				<u> </u>				
A Typh Vertica		72 —	(Chia)	105161380		/R (1 Bro No)	Year Built) _ <u>l</u>	<u>9</u> 78
5. The chamical and VESSSURE VE	chysical propert SSEL CODE The	lies, of all parts a design, const	meat the roution, and	aquirements of workmanship or	one leirotein ZA oi miolor	cifications of t ME Rules, Sec:	he ASME BOIL ion VIII, Divisioi	ር (ና ጎ 1
1977 and AdJan	iis to 5 <u>. 7</u>		oce Canb No					
Special Service pur		/s P	r This	Data Repor	t - See	Remarks Bo	eles	
Menufacturers' Part the following iteras	-		tiliad and t	igned by Comm	issioned Inc	pactors have b	ו משור וצווים ו	or.
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Cinh Lib Meláis	a, noo, soo kee Ng Peo See kee	ed	or felt)	R.T		No of C	OUISES	
8 Hoads: (L) Materia	<u> للجع کے یہ ا</u>	5mpt 1 cp (6m) 52 - 1 (1)		ist Material (d)	nol. Partiel, or	1011) 182- <u>7304</u>		- ,
		Spec. Ivo , Gireci				(Spec No. Gre		
Location (Top. Bodnin, Endi)	Min. Co Tid / id		Knockle Frint	Ellipse Consect Octio Oper Argie	Hemisch Pears		de la Present nota de Cincipal	_
(a) <u>Top</u> (b) <u>Borton</u>	2.5" — 2.5" —					-7:238	Flaikeal. Flaikead.	
(b) <u>BOLEGII</u> li removeble, bolts c		they locked and	500	-13 Folts-A	SME-SAL			noes (4)
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9 Constructed for max less than -20 F)			eumatic, cr	psi at mex. t	icmp	100	lin Jemp, (was Iosi	n
10. Salary Valve Outlets								-
11. Nozzics and Inspecti	on Openings:			lion.				
finiet, Outlet, Drein) No	or \$120	Tipe	A*atj	The	Reinforcem Mati	not ins		
Ges Port 1	75	Split Fin			L'one	Bolt	s(<u>6</u>)_Fol	tom.
later fort i	97"	Split Fin	g. 3045	7.300	Noce_	Bol f	s (A)_Top	ł
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the Accumulate The Hydro Test	n Calander	r is livero	รเกราก	lly tested	us the the	Picton .	enove:	
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	•	CENTIFICA	TE OF CO	DIVIDLIANCE			}	
We couldy that the state	raonts made in	this report ar	o correct ar	id that off defail	(k) desigg.	mayrial, cons	truction, and	
Date 7/18/78								
Date _// 10//6	2161166	الله المائة المائدينية المام (Namul	, 1, 1 (? C L 1, 1) ecturor)	C.C.C by (-)		Aunieranierivel		
"U" Certificate of Author	mization No	10.572_		arpires	<u>/</u>	<u>10.</u>	19_8]	
	· · · · · · · · · · · · · · · · · · ·	SEMIFICATE	OF SHOP	INSPECTION	•			
Vessel made by					<u> </u>	ngton, N.	<u>.c</u>	
l, the undersigned, holdi	ng a valid com	inissian issuni	d by the fit	to bisoft teno:	Boiler and I	ressure Vesso		
and or the State or Provi					1. Of List	/1.	inpected the	
pressura vassel dascribe to the tiert of my know					and in the same of		state that, I	
ASME Codu. Section VIII.	Division 1. By 5	agalay this rei	titica to neid	in the Inspector	nor his emp	loyer makes ar	y warranty.	
erpressed of implicit co	nearing the pr	ni sine varisel	desembad in	i ilio Monulactiii	rers' Data Re	bou inupeiu	ors, neither	M
the Inspector and his end and outing train of lang	: منخو ودريد ورم				-		1	V
Signed			7/18/78] Cammissiani	. к <mark>с723</mark> ,	PA . UC176	6. 0410	11/3
	1611. (10.1)				(Nrt I fios	d State Fromic	0 001 1001	

11/3/05

PEG PKG NO. 050222-ABF49011G0 PAGE 44 OF 87

TODAY COME TO PROTECT ACTIVISION DOYN DEPOSIT FOR PERSONAL VESSES OF (Attendate Folia) for Simple Charles, General City Chap Labellated Victoria Cody). As Required by the Fravision's of the ACATE Cody Budge, Section VIII, English on Cody

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1. Manufecture 3 by	General Jilac	ranc Combinati	$P_{\bullet}O_{\bullet}$. Below A	3.62 W. Finank	<u>top, N.C</u>	
2. Munificationed for 3. Location of Install the		idda F220 (Sillia)				• • • •
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Hunz, or vest, and 5. The cheward end ph	LT (LT) L TENER N		tiparing t io also carlo our			ar cu
					ules, Samian Vill, Divit	
1974_ and Addend	, to <u>S`.?</u> `!	and Gada Chie i				
Nour) Special Service (1910	(196) (G. 1986a)	As Per This	Data Repor	t - See Rem	orke Below	
		and ridentification	signed by Comm	ละมีอาคย์ โดกกละเอ	is havo tican faraishe	. (c:
the following items o	fithe report:	•				-·· -
6. Shell: Math. = S(A=3)	See Gr. B. See	Corr.	in Diars.	E. 70 in Ly	3 2.3!	S
(Spec. Re	, Great			_		().
7. Shams Lung MA	V. Sephilophian. B.	T _ <u>13/A</u> E			F 7ime _=-	
Goth No. No. Idiana		Din Eddy	PT		No of Composition	· ·
B. Heads: (a) Material	~ 1(1.7) [1364	(V) Bitatatik (G)	ser, romer, ar rom rSan 182 -	F304	
or rickes (c) manner	(See).	No. Cries	(0) 1 10.10		cilo, ruod	
Cores on	Min. Care	Crewn Knighte	Liftons Confred	Hugrah Eli		
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(c)	<u>2.5</u>				230	
10, 222			ana Bolts-A	SUE-SA193-B	7 for Split Fl	
it removable, but is bu	and footened office,		17 32 1 32 4	C 5635 125 Gr 50	r: 1'0 l	
5. Constructed for mar.		210	psitimes: I	500	r. lisin. tomp. (n)	tica
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11. Rowles and hispartics				- 		_
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	ri Sire Yypu	Et Fing. 304	755	- 		· ·
Gas_Port1 Naver_Port_1			351.500		Rolts(4)_h Rolts(4)_Ti	attom.
						L.V., 4
						·-
						
						
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3 RemarksComp	lere Hechani	<u>cai Assembly</u>	with ho Re.	<u>ldrd Joints.</u>		
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The Hydro Test	nresaure is	based on the	in the des	NATH THE EX	2 COV Latio Aco.	•
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	C	RTIFICATE OF C	************			1
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We certify that the staten	innts mude in this i	report the contect.	and takk all daigh	9	gal, construction, and	
morkarenship of this verse	i conform to the As Sinned Go	neral Flucti	ire versis, ayen			
Dato6/20/78s		(Atroniacturer)			18_er	Ĭ.
"U" Certificate of Ambeni	701100 No	7,27%	cxbircs/	<u>lune_</u> 10	19_0.L	.
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		FICATE OF SHO				1
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to the understanced, helding and or the State or Freeing	ha valid commissis	n issued by the h	rational linein of	t Ci Labor	and Arrowell temperators	l
pressure restal described	in the Manufactur	era Deta Fenorei	6/2	0 19	78 and east that	ł
to the best of any Lneigh						
ASIAE Code, Election VIII, D	Gersian A. By signing) Has cort licate ray	that the lessector	ner his raipbly er	DILLES CON INDICATION.	ſ
Carrespot or implied, cond						}
the tespactor nor his emple kind crising from no redner					·	m
Super C	ing seed on a majoris	Data 6/20/7	8 Cummissions	KC799, PA	1.021.60, Ohio	1 VX

2/10/26

FORM U-1A MANUFACTURERS' DATA REPORT FL. PRESSURE VESSELS (Alternate Form for Single Chamber, Completely Shop-Febricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

=	
1.	Monutactured by _ General Fluctric Company, P.O. Box 780, Wilmington, N.C.
	Monutactured forSage as Above
	Type Vertical H1704 1051'51 350001 N/R Year Built) 1978
4	Type Vertical (HI/04) 1051/51 380001 N/R (Year Built) 1978 (House or vertical) (Idam Joint Ho) (CAN) (Dirming No) (Nail Bid No)
5	The chamical and physical properties of all parts meat the requirements of material specifications of the ASME BOILER
	AND PRESSURE VESSEL CODE. The design, construction, and violemenship conform to ASME Rules, Section VIII, Division 1
	Next Date
	Special Service per UG-120(d) As Per This Data Report - See Remarks Below
	Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for
	the following items of the report:N/A
	Shell: Meth. SA = 100 Gr. B. Thk
7	Scans: Long. N/A Seateloss RT. N/A Efficiency % HT. Temp F Time hr (Wolded, Ob), Sign Lap Coult (Spot or Full)
((Visidac, Dol. Soul. Lep. Burt) (Spet, Perial or full)
8	Hosds: (a) Material
	(Spec. No., Grade)
	Education Mirk Corr. Crown Knuckle Ellipse Conicel Hemisch Hat Side to Preseure [Top Bonom, Ende) The Allow Redius Isadius Palio Ager Angle Redius Dem (Convex or Conceve)
	(a) <u>Top</u> 2.5"
	If removable, bolls used (describe other fastenings)SOD-13 Bolts-ASME-SA193-B7 for Split Flanges (
	2100 (Meteriel, Spec. No. Gr. Site, No.)
<u>0</u> .	Constructed for mex. allowable working pressure 2100 psi at max. temp 400 F. Min temp (when
36	ess than -20 F) F. Hydrostatic, previous, or combination test pressure 3200 psi.
	Voules and Inspection Openings:
	Durpuse Dism Nom Reinforcement How
	Gas Port 1 .75" Split Fing. 30455 1.060 None Polts (4) Bottom
	20755
•	Water Port 1 .57" Split Fing. 30455 1.300 None Bolts (4) Top
-	
-	
2. S	opports: StirNOLugsLepsOtherAttached
3 R	(Yesonos) (No) (No) (Describe) (Where and how) (marks: Complete Rechanical Assembly with No Welded Joints.
A	Ithough A Differential Pressure Exists on each side of the Internal Piston.
	he Accumulator Cylinder is Hydrostatically tested with the Fiston removed. he Hydro Test pressure is based on the higher design pressure
	ne nym o lest pressure is sussessive and the name of t
	CERTIFICATE OF COMPLIANCE
We	certify that the statements made in this report are correct and that all deletis of dy firming erial, construction, and
woil	manship of this vessel conto m to the ASME Code for Picssure Vessels. Specials by fryight
Date	6/20/18 Signed General Electric Co. III (Appresentative)
_U	Conflicate of Authorization No. 10.572 expires June 10. 19.81
	CERTIFICATE OF SHOP HISPECTION
c Vbss	el mode by General Electric Co II Vilmington, N. C
the	understand, holding a valid commission issued by the National Board of Boiler and Prossure Vessor Inspectors
יסח	is the State or Province ofN_ Carolina and employed by . Dept. Ot Jabor have inspected the
res	ure vessel described in this Manufacturors' Data liconi on
	o trest of my knowledge and briller, the Manufacturer has constructed this pressure vestol in accordance with
من ۱۹۸۰ د ۱۹۱۱	E Code. Section VIII Division 1. By signing this corrilecte neither the Inspector nor his employer makes any waltenty, sood or implied, concerning the pre-sure vessel described in the Manuficturers' Data Report. Furthermore, neither
ו שר	Rector not bis employer apsil pe judge in any brander for any bersoust infind or brothing genrede or a fore of any
	is pectur nor his employer shall be liable in any manner for any personal injury or profount daniage or a fost of any
	is pectur nor his employer that be liable in any manner for any personal injury or profourn deniage or a total of any personal injury or profourn deniage or a total of any personal injury or profourn deniage or a total of any personal injury or profourn deniage or a total of any

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

	· · · · · · · · · · · · · · · · · · ·							
1. Owner Tenness	see Valley Authority (TVA	\)	·	Date	May 1, 2006			
1101 M	arket Street		_					
Chattar	ooga, TN 37402-2801			Sheet	1 of	_1		
	Address							
2. Plant Browns	Ferry Nuclear Plant (BFi	N)		Unit	3			
POR	ox 2000, Decatur, AL 35	5609-2000			Orders (WOs) 244-000 and 03		3-000, 03-004255	5-001,
<u></u>	Address	5003-2000	_	_03-004			on P O No . Job No	etc
3. Work Performed b				Type C	ode Symbol Sta	imp N	/A	
P. O. B	ox 2000, Decatur, AL 35	609-2000	_	Authori	zation No. N	VA		
	Address			Expirati	on DateN/	٩	·	
4. Identification of Sys	stern System 001, Mai	n Steam System (A	ASME Code	Class 1 equi	valent)			
,								
5. (a) Applicable Con	struction Code ASME S	Section III 19	68 Ed	ition, Su	mmer 1970	Addenda,	N/A C	Code Case
(b) Applicable Editi	on of Section XI Utilized for	or Repairs or Replac	ements 20	01 Edition,	2003 Addenda	_		
(c) Applicable Sect	ion XI Code Case(s)							
6. Identification of Cor	nponents							
		<u> </u>	T	T				
							}	ASME Code
			National				Corrected,	Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.		Other ntification	Year Built	Removed, or Installed	(Yes or No)
M: 0: 0: 0: (W)		1000		2.00		1.5-5		<u> </u>
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1069	N/A	3-PC1	/-001-0034	1979	Removed	Yes
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1021	N/A	3-PC\	/-001-0034	1978	Installed	Yes
Main Steam Relief Valve	Target Rock Corp.	1019	N/A	3-PC\	r-001-0042	1978	Removed	Yes
Main Steam Relief Valve	7567F-000-10 Target Rock Corp.	1026	N/A	3.PC\	-001-0042	1978	Installed	Vos
Wall Steam Heller Valve	7567F-000-10	1020	144		-001-0042	1978	Installed	Yes
	<u>. </u>	l	<u> </u>			اــــا		<u></u>
7. Description of Work	Replaced two Main St	eam Relief Valve ma	ain bodies wil	h refurbishe	d valve bodies.			
·	Replaced 12 spline nu						······	
8. Tests Conducted:	Hydrostatic F	neumatic	Nominal C	perating Pr	essure 🔯	Exempt		
		sure N/A ps			N/A °F	• ;	_	•
	Curer [_] Fies	υσιο <u>197</u> μο		л гепф				
NOTE: Supplement	al Sheets in form of lists,	sketches, or drawing	gs may be us	ed, provided	(1) size is 8½ i	n. X 11 in.,	(2) information i	n items 1

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.

^{*}as amended by additional quality assurance requirements found in Contract 158199, GE P. O. 205AJ600, and Design Criteria BFN-50-7001 and BFN-50-C-7105

FORM NIS-2 (Back)

WID.	03-004243-000 and 03-004233-001
. В	lemarks The main valve body was replaced with rebuilt valve body previously used on Unit 2 (same manufacturer/model number).
As	Applicable Manufacturer's Data Records to be attached a part of the Tech Spec required valve inspections WO 03-004243-000 replaced 3-PCV-001-0034 with a rebuilt valve previously used
in l	BFN Unit 2 (2-PCV-001-0005, S/N 1021). The replacement valve was removed from Unit 2 by WO 03-004255-000 and refurbished by
	O 03-004255-001 (12 spline nuts were replaced under WO 03-004255-001 due to galling during disassembly and for ease of maintenance).
	O 05-004255-001 (12 spille truts were replaced under 440 05-004255-001 due to gailing disassembly and for ease of maintenance).
D:	03-004244-000 and 03-004268-001
Th	e main valve body was replaced with rebuilt valve body previously used on Unit 2 (same manufacturer/model number).
As	a part of the Tech Spec required valve inspections WO 03-004244-000 replaced 3-PCV-001-0042 with a rebuilt valve previously used
in E	BFN Unit 2 (2-PCV-001-0179, S/N 1026). The replacement valve was removed from Unit 2 by WO 03-004268-000 and refurbished by
wo	O 03-004268-001 (12 spline nuts were replaced under WO 03-004268-001 due to galling during disassembly and for ease of maintenance)
	to be seen and the
	· · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF COMPLIANCE
l ce	ertify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Tvo	e Code Symbol Stamp N/A
ijρ	e ode Symbol Stamp
Cer	tificate of Authorization No. NA Expiration Date NA
	1410, 1711
Sigr	ned Stepher System Engineer Date 5 . 20 06
	Cwner 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 P	rovince of Tennessee and employed by HSB CT of
	Connecticut have inspected the components described
	is Owner's Report during the period
	e best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's ort 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
	ninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
anyı	manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	X Poll A Talkall
_	A Commissions // 40// Inspector's Signature Commissions National Board State Province and Engirsements
•	A
Date	<u> </u>

FORM N-2 MANCE ACTURERS HAT A REPORT FOR ACCLEMEN ART AND APPEARTENANCES.

As required by the Provisions of the LSME Code Rules

Target Rock Corp., 1966E. Broadhollow Rd., E. Farmingdale,
General Electric Co., 175 Curtner Ave., San Jose, Calif
(Name and address of Manufacturer of completed made or companies)
2. Identification-Handacturer's Serial No. of Part 1021 Not'l Bd. No.
(a) Constructed According to Drawing No. 7567F-000 - 22Crawing Prepared by Target Rock Corp.
(b) Description of Part Inspected Base Assembly
(c) Applicable ASME Codes Section III, Edition 1968 Addende date 1970 Case No Class 1
Base assembly is the subassembly component of TRC model 7567F
Safety/Relief valve which serves as the control element. Application
of S/R valve is for SWR (Steam) service.
S. S.A. VA. V. S.A.A. LALEEUT SET C. S.E.
We carrily that the statements made in this report are correct and this vessel part or appurenance as defined in the Code Constitution on the rules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurenance Manufacturer is responsible for formissing a separate Design Specification and Stress Report if the appurenance is not included in the component Design Specification and Stress Report.) A
9-14-1878 Speed Target Rock Corp. 3- Superior Standard
Certificate of Authoritation Expires 12/9/80 Certificate of Authoritation No. 1948
CERTIFICATION OF DESIGN FOR APPURTENANCE (-nen applicable)
Design idemands of file at Target Rock Corp.
Serve malvais report to file # Target Rock Corporation
Seeign specifications certified by R.R. Ghosh Prof. Ecg. Suite Callf Reg. No. 16371
Sacra analysis report committed by O.M. Pattarini Prof. Edg. Same N.Y. Reg. Vo. 02981
CERTIFICATE OF SHOP INSPECTION
is the maderalgree, holding a valid commission instant by the National Board of Bodier and Pressore Venues inspector a made of the State of Province of New YORK and employed by Commercial Union ins. So. 305 CON, MBSS.
Manufacturer's Partial Data Report on
NEW YORK STATE COLD SELENCE LESS IN
Consequence & Comments of the Consequence of the Co
Control of the state of the sta

.....

Jarget Rock Corp., 1966E. Broading low Rd., E. Farmingdale,
Manufactured by
(Home and oddress of Manufacturer of completed musicar component) L. Identification-Manufacturer's Serial No. of Part
Lidentification-Manufacturer's Serial No. of Part 1026 No. 1026 No
(b) Description of Part Inspected Base Assembly
(b) Description of Part Inspected Base Assembly Summer. (c) Applicable ASME Code: Section III, Edition 1968, Addenda date 1970, Case No Class 1
Base assembly is the subassembly component of TRC model 7567F
(Brid description of service for which seeponds was designed Safety/Relief valve which serves as the control element. Application
of S/R valve is for BWR (Steam) service.
The certify that the statements made in this report are correct and this vessel part or appurtunance as defined in the Code construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the part Magnifacturer. An appurtunance anufacturer is responsible for fornishing a separate Design Specification and Stress Report if the appurtunance is not included the component Design Specification and Stress Report.) Target Rock Corp. [Hamulacturer]
ertificate of Authorization Expires 12/9/80 Certificate of Authorization No. 1948
CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
Design information on file at Target Rock Corp.
Scress analysis report on file at Target Rock Corporation
Design specifications certified by R.R. Ghosh Prof. Eng. State Calif Reg. No. 16371
Stress analysis report certified by D.M. Pattarini Prof. Eng. State N.Y. Reg. No. 029841
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of New York and employed by Commercial Union Ins. Co. BOSTON, Mass. New York New York New York National Board of Boiler and Pressure Vessel Inspectors Of Boston, Mass. New York New York New Inspector of a pressure vessel described in this
NEW YORK STATE COMMISSION NO. 2283 ALSO COMMISSIONED IN Pena., Onio & Conn.

Trisme itsi shewte in form of lists, skeiches or drawings may be used provided (1) size is \$50" a 11", (2) information in from 1-2 milds in report is included as each sheet, and (3) each sheet is number of sheets is recorded in item 3, "Remarks".

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of the ASME Code, Section III, Division 1 Not To Exceed One Day's Production

1. Manufactured and certified	by Target Rock Corp	1966E Broadhol	low Rd, E. Fat	mingdale, NY 11735
	-	Iname and address	ee of cartificata noiders	
2. Manufactured forTenn	essee Valley Autho	rity, Chattanooga	, TN 37401	
			•	
3 Location of installation _	Browns terry Nucle	ar Plant, Athens,	Alabama 110011	
San Back	San Back			1000
I. Type See Back .oreor∞	Imari spec, no I	JEE DOLK	N/A	1988
مه بمنطق. ــــ ASME Code, Section III	1968 S	Ummer 1970		N/A
ASME Code, Section III	***************************************	14006/04/	1 rciasa,	-Code Casa no ;
Francistad in annualitation	Canes Coop IDIN 2 0	Lin S/A Ba		5/A
Fabricated in accordance v		· · ·		
Remarks Spare Pag	rts for a complete	d valve assembly,	25 Bolts, It	em 107, 688 Nuts,
Item 115 for valve	style 7567F-000	·		
				
		·		
Nom-thickness (in) _ N/A	Min design thickness	lin Mid Dia 10 (ft 8	& in) N/A Leng	nn overall (ft. & in) N/A
When applicable, Certificat	-			,
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Part or Appurtamence	National	1 1	ppurtenance	National
Serial Number	Board No.	{	Number	Board Number
	in Numerical Orde	r []		in Numerical Order
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N/A		(26)	i	
4)	<u> </u>	(27)		
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10)	 	(35)		
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	 	(39)		
14) 15)	 	(40)		
16)	 	(41)		
! 6) ! 7)		(42)		
18)	 	(43)		
19)	1	[44]		
20)	The second second	(45)		·
21)	†	(46)		
		(47)		
22)	<u> </u>	(48)	1	
The state of the s	<u> </u>	(49)		
24)	 	*3		

N/A

_psi Temp..

(6/85)-1

sign pressure _

S/A

This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

_ °F. Hydro, test pressure

at temp °F.

N/A

^{*}Supplements: information in the form of lists, sketches, or drawings may be used provided (1) size is 8% X 1, (2) information in items 2 and 3 on this data report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (back)

				Mfr Seralti. N	Α
		CERTIFICATE OF DESIG	N		
Design specifications	certified byR	l. R. Chosh	P E state	C:lif. Reg no !	o371 💯
		innen appilcable)		•	
Deeign report' certific	M by	. M. Pattarini	P E state.	NY Reg no _	029841
		, when epoliceores			
		CERTIFICATE OF SHOP COMPL	IANCE		
we senify that the sta	tements made in this recor	T are correct and that this (these)_	?sr:		
•	of construction of the ASM				- i
	thorization no	:9-8	Expires	2-9-39	
			CXD##83		
Care 5/7/33	Name Parget R.	ock Corporation	Signed & listole	m. GASUPBAVI:	SOR
		MT Carundaia noider	Fen G. ADT 220	- 1 colored 10 10 2 5 5 5	
the undersigned, hold	ling a valid commission iss	CERTIFICATE OF SHOP INSPEC	TION		
New York 105 on New York 105 on Mass 105	and employed byand employed by	CERTIFICATE OF SHOP INSPEC- sued by the National Board of Boil Commercial Union Insi- items described in this data rep- Holder has fabricated these parts for stamping on the date shown in nor his employer makes any warr is the inspector nor his employer	erion Iler and Pressure Vesset urance Company Fortion or appurtenances in accapove ranty, expressed or impires that be liable in any market.	inspectors and the state to an attace to cordance with the AS industrial to any personal to any personal	nat to the ME Code,
New York 105 on New York 105 on Mass 105	and employed byand employed by	centificate of shor inspectations by the National Board of Board of Board of Commercial Union Institutes described in this data reproduce has fabricated these parts for stamping on the date shown and his employer makes any warrenthe inspector nor his employer or connected with this inspector.	erion ler and Pressure Vesset unance Company on on	inspectors and the state to and state to cordance with the Asiained, concerning the conner for any personal COMMISSION NC	nat to the ME Code, quipment injury or
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New York Soston, Mass Soston, Mass Soston Mass Sost	and employed by nave inspected these and belief, the Certificate I sted has been authorized fate, neither the inspector eport. Furthermore, haithers of any kind ansing from the preductions of the control of the contr	CERTIFICATE OF SHOP INSPEC- sued by the National Board of Boil Commercial Union Insi- itiems described in this data rep- Holder has fabricated these parts for stamping on the date shown in nor his employer makes any warr or the inspector nor his employer or connected with this inspec	erion ler and Pressure Vesset urance Company on on	inspectors and the standard the standard with the ASI induced the concerning the canner for any personal COMMISSION NO	nat to the ME Code, quipment injury or 1. 2289
New York Soston, Mass Soston, Mass Soston Mass Sost	and employed by nave inspected these and belief, the Certificate I sted has been authorized fate, neither the inspector eport. Furthermore, haithers of any kind ansing from a little way.	centificate of shor inspectation by the National Board of Board Commercial Union Institution in the data reproduced has fabricated these parts for stamping on the date shown and nor his employer makes any warres the inspector nor his employer or connected with this inspector or connected with this inspector.	iler and Pressure Vesset unance Company on on or appurtenances in ac above ranty, expressed or impirishall be liable in any mathematics of the committee of the	inspectors and the state to and state to cordance with the ASI ind. concerning the conner for any personal COMMISSION INC. State Brown Disa & Concerning state or pro-	nat to the ME Code, quipment injury or

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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner	Tennessee	e Valley Authority (TVA)			Date	May 2, 20	06		
	1101 Mark	Name ket Street					· · · · · · · · · · · · · · · · · · ·		-
	Chattanoo	oga, TN 37402-2801			Sheet	1	of 4		
		Address							
2. Plant	Browns Fo	erry Nuclear Plant (BFN)	<u></u>	Unit	3			
Name				04-722 04-722	413-026, 04	-722413-027,	-000 through -02 04-722413-085 04-722413-116		
		Address	<u>,</u>		***************************************	Repair/Replac	ement Organizati	on P.O No . Job No	etc
3. Work Pe	erformed by	TVA-BFN			Type C	ode Symbol	Stamp N	VA	
	. P. O. Box		609-2000		Authori	zation No.	N/A		
		Address			Expirati	ion Date	N/A		
4. Identifica	ation of Syste	System 001, Main S (ASME Code Class		pt, 3-SNUB-00	01-5075, A	SME Code C	Class 1 equiva	lent)	
., .,	icable Constr	ruction Code USAS B:		67 Edit	·	N/A , 2003 Addei	Addenda,	N/A	Code Case
(c) Appli	icable Section	n XI Code Case(s)		*****					
6 Identifica	ation of Comp	onents							
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other ntification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snut 3-47B401-51	ober)	Pacific Scientific	133	N/A		B-001-5044 RSSL-4	N/A	Removed	No.
Support (Snut 3-47B401-51	ober)	Pacific Scientific	6467	N/A	3-SNU	B-001-5044 RSSL-4	1979	Installed	Yes
Support (Snut 3-47B401-40		Pacific Scientific	107	. N/A		B-001-5035 ISSJ-3	. N/A	Removed	No
Support (Snut 3-47B401-40	ober)	Pacific Scientific	6470	N/A		B-001-5035 ISSJ-3	1979	Installed	Yes
·		Replaced 29 old pre-NI Replaced adapter boltin Hydrostatic Properties Presse	ng on one snubber.	Nominal O	herical bea	ring on one s			Remarks

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.

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

9.	Remarks WO 04-722413-000 - (3-SNUB-001-5044)
	Applicable Manufacturer's Data Records to be attached The original snubber (133) was removed and tested as part of the 10 percent sample per the snubber program.
	The replacement snubber (6467) is a new snubber and was tested per 3-SI-4.6.H-2A, prior to installation.
	The replacement shapper (0401) to a new shapper and was reside per or 0114.0.11 24, prior to installigation.
	WO 04-722413-001 - (3-SNUB-001-5035)
	The original snubber (107) was removed and tested as part of the 10 percent sample per the snubber program.
	The replacement snubber (6470) is a new snubber and was tested per 3-SI-4.6.H-2A, prior to installation.
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
ĺ	
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
ļ.	22 1 5 1 1 1
	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 Tennessee and employed by HSB CT of
-	Hart Ford Connecticut have inspected the components described
	in this Owner's Report during the period 3/12/06 to 6/2/06, 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. 200 8 1/2
_	Some Tongs Commissions TN 2534 Inspector's Signature National Board State Province and Endorsements
	Date <u>\(\xeta/2 \) 20 \(\overline{6} \)</u>

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

1.	Owner Tennessee Valley Authority (TVA)	Date <u>May 2, 2006</u>
	1 101 Market Street	
	Chattanooga, TN 37402-2801	Sheet 2 of 4
2.	Plant Browns Ferry Nuclear Plant (BFN)	Unit <u>3</u>
	Name	Work Orders (WOs) 04-722413-000 through -023 and 04-722413-026, 04-722413-027, 04-722413-085, 04-722413-112, 04-722413-113, 04-722413-116 and
	P. O. Box 2000, Decatur, AL 35609-2000	04-722413-117
3	Work Performed by TVA-BFN	Repair/Replacement Organization P.O. No. Job No., etc. Type Code Symbol Stamp N/A
	P. O. Box 2000. Decatur. Addless	Authorization No. N/A
4.	Identification of System System 001, Main Steam System	Expiration Date N/A 3-SNUB-001-5075, ASME Code Class 1 equivalent)
•		57 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case

Identification of	f Components	

							ASME Code
Name of	Name of	Manufacturer	National Board	Other	Year	Corrected, Removed, or	Stamped (Yes
Component	Manufacturer	Serial No.	No	Identification	Built_	Installed	or No)
Support (Snubber) 3-478401-30	Pacific Scientific	114	N/A	3-SNUB-001-5022 RSSG-3_	N/A	Removed	No
Support (Snubber) 3-47B401-30	Pacific Scientific	6832	N/A	3-SNUB-001-5022 RSSG-3	1980	Installed	Yes
Support (Snubber) 3-47B401-30	Pacific Scientific	112	N/A	3-SNUB-001-5023 RSSG-4	N/A	Removed	No
Support (Snubber) 3-478401-30	Pacific Scientific	6833	N'A	3-SNUB-001-5023 RSSG-4	1980	Installed	Yes
Support (Snubber) 3-478401-35	Pacific Scientific	258	N/A	3-SNUB-001-5028 RSSH-3	N/A	Removed	No
Support (Snubber) 3-478401-35	Pacific Scientific	6834	N/A	3-SNUB-001-5028 RSSH-3	1980	Installed	Yes
Support (Snubber) 3-47B401-35	Pacific Scientific	211	N/A	3-SNUB-001-5029 RSSH-4	N/A	Removed	No
Support (Snubber) 3-47B401-35	Pacific Scientific	6835	N/A	3-SNUB-001-5029 RSSH-4	1980	Installed	Yes
Support (Snubber) 3-478401-36	Pacific Scientific	231	N/A	3-SNUB-001-5030 RSSH-5	N/A	Removed	No
Support (Snubber) 3-47B401-36	Pacific Scientific	7294	N/A	3-SNUB-001-5030 RSSH-5	1980	Installed	Yes
Support (Snubber) 3-47B401-46	Pacific Scientific	132	N/A	3-SNUB-001-5040 RSSK-4	N/A	Removed	No
Support (Snubber) 3-47B401-46	Pacific Scientific	7295	N/A	3-SNUB-001-5040 RSSK-4	1980	Installed	Yes
Support (Snubber) 3-47B401-11	Pacific Scientific	216	N/A	3-SNUB-001-5007 RSSC-1	N/A	Removed	No
Support (Snubber) 3-47B401-11	Pacific Scientific	7296	N/A	3-SNUB-001-5007 RSSC-1	1980	Installed	Yes
Support (Snubber) 3-47B401-13	Pacific Scientific	498	N/A	3-SNUB-001-5009 RSSC-3	N/A	Removed	No
Support (Snubber) 3-47B401-13	Pacific Scientific	7297	N/A	3-SNUB-001-5009 RSSC-3	1980	Installed	Yes
Support (Snubber) 3-47B401-13	Pacific Scientific	477	N/A	3-SNUB-001-5010 RSSC-4	N/A	Removed	No
Support (Snubber) 3-47B401-13	Pacific Scientific	10521	N/A	3-SNUB-001-5010 RSSC-4	1981	Installed	Yes
Support (bolting) 3-47B401-13	Pacific Scientific	N/A	N/A	3-SNUB-001-5010 RSSC-4	N/A	Removed	No
Support (bolting) 3-47B401-13	Pacific Scientific & Consolidated Power	N/A	N/A	3-SNUB-001-5010 RSSC-4	N/A	Installed	No
Support (Snubber) 3-47B401-15	Pacific Scientific	489	NA	3-SNUB-001-5011 RSSD-1	N/A	Removed	No
Support (Snubber) 3-47B401-15	Pacific Scientific	10522	N/A	3-SNUB-001-5011 RSSD-1	1981	Installed	Yes

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks WO 04-722413-002 - (3-SNUB-001-5022)
The original snubber (114) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (66832) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-003 - (3-SNUB-001-5023)
The original snubber (112) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (6833) is a new snubber and was functionally tested per 0-SI-4.6 H-2A, prior to installation.
WO 04-722413-004 - (3-SNUB-001-5028)
The original snubber (258) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (6834) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-005 - (3-SNUB-001-5029)
The original snubber (211) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (6835) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-006 - (3-SNUB-001-5030)
The original snubber (231) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (7294) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-007 - (3-SNUB-001-5040)
The original snubber (132) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (7295) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-008 - (3-SNUB-001-5007)
The original snubber (216) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (7296) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-009 - (3-SNUB-001-5009)
The original snubber (498) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (7297) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-010 - (3-SNUB-001-5010)
The original snubber (477) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10521) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation
Damaged bolting was identified and replaced.
WO 04-722413-011 - (3-SNUB-001-5011)
The original snubber (489) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10522) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

1.	Owner Tennessee Valley Authority (TVA)	Date <u>May 2, 2006</u>
2.	1101 Market Street Chattanooga TN 37402-2801 Address Plant Browns Ferry Nuclear Plant (BFN) Name	Sheet 3 of 4 Unit 3 Work Orders (WOs) 04-722413-000 through -023 and 04-722413-026, 04-722413-027, 04-722413-085, 04-722413-112, 04-722413-113, 04-722413-116 and
3.	P. O. Box 2000, Decatur, AL 35609-2000 Address Work Performed by TVA-BFN P. O. Box 2000, Decatur, AL 35609-2000 Address	04-722413-117 Repair/Replacement Organization P O No . Job No etc Type Code Symbol Stamp N/A Authorization No. N/A
4.	Identification of System System 001, Main Steam System . (ASME Code Class 2 equivalent except, 3-	Expiration Date <u>N/A</u> -SNUB-001-5075, ASME Code Class 1 equivalent)
	Applicable Construction Code <u>USAS B31 1.0</u> 19 <u>67</u> Applicable Edition of Section XI Utilized for Repairs or Replacemen Applicable Section XI Code Case(s)	

6. Identification of Components

Name of	Name of	Manufacturer	National Board	Other	Year	Corrected, Removed, or	ASME Code Stamped (Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	or No)
Support (Snubber) 3-478401-15	Pacific Scientific	487	N/A	3-SNUB-001-5012 RSSD-2	N/A	Removed	No
Support (Snubber) 3-47B401-15	Pacific Scientific	10523	N/A	3-SNUB-001-5012 RSSD-2	1981	Installed	Yes
Support (Snubber) 3-47B401-17	Pacific Scientific	483	N/A	3-SNUB-001-5013 RSSd-3	NA	Removed	No
Support (Snubber) 3-47B401-17	Pacific Scientific	10525	N/A	3-SNUB-001-5013 RSSd-3	1981	Installed	Yes
Support (Snubber) 3-47B401-17	Pacific Scientific	506	NA	3-SNUB-001-5014 RSSD-4	N/A	Removed	No
Support (Snubber) 3-47B401-17	Pacific Scientific	10532	N/A	3-SNUB-001-5014 RSSD-4	1981	Installed	Yes
Support (Snubber) 3-47B401-3	Pacific Scientific	126	N/A	3-SNUB-001-5001 RSSA-1	N/A	Removed	No
Support (Snubber) 3-47B401-3	Pacific Scientific	10534	N/A	3-SNUB-001-5001 RSSA-1	1981	Installed	Yes
Support (Snubber) 3-478401-5	Pacific Scientific	124	NA	3-SNUB-001-5004 RSSA-4	N/A	Removed	No
Support (Snubber) 3-47B401-5	Pacific Scientific	10536	N/A	3-SNUB-001-5004 RSSA-4	1981	Installed	Yes
Support (Snubber) 3-47B401-8	Pacific Scientific	138	N/A	3-SNUB-001-5005 RSSB-1	N/A	Removed	No
Support (Snubber) 3-47B401-8	Pacific Scientific	10554	NA	3-SNUB-001-5005 RSSB-1	1981	Installed	Yes
Support (Snubber) 3-47B401-24	Pacific Scientific	496	N/A	3-SNUB-001-5018 RSSF-1	N/A	Removed	No
Support (Snubber) 3-47B401-24	Pacific Scientific	10568	N/A	3-SNUB-001-5018 RSSF-1	1981	Installed	Yes
Support (Snubber) 3-47B401-24	Pacific Scientific	500	N/A	3-SNUB-001-5019 RSSF-2	N/A	Removed	No
Support (Snubber) 3-478401-24	Pacific Scientific	10569	N/A	3-SNUB-001-5019 RSSF-2	1981	Installed	Yes
Support (Snubber) 3-478401-21	Pacific Scientific	145	N/A	3-SNUB-001-5016 RSSE-3	N/A	Removed	No
Support (Snubber) 3-47B401-21	Pacific Scientific	10570	N/A	3-SNUB-001-5016 RSSE-3	1981	Installed	Yes
Support (Snubber) 3-47B401-21	Pacific Scientific	243	ΝA	3-SNUB-001-5015 RSSE-2	NA	Removed	No
Support (Snubber) 3-47B401-21	Pacific Scientific	10571	N/A	3-SNUB-001-5015 RSSE-2	1981	Installed	Yes

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks WO 04-722413-012 - (3-SNUB-001-5012)
The original snubber (487) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10523) is a new snubber and was functionally tested per 0-SI-4 6.H-2A, prior to installation.
WO 04-722413-013 - (3-SNUB-001-5013)
The original snubber (483) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10525) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-014 - (3-SNUB-001-5014)
The original snubber (506) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10532) is a new snubber and was functionally tested per 0-SI-4 6.H-2A, prior to installation.
WO 04-722413-015 - (3-SNUB-001-5001)
The original snubber (126) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10534) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-016 - (3-SNUB-001-5004)
The original snubber (124) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10536) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-017 - (3-SNUB-001-5005)
The original snubber (138) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10554) is a new snubber and was functionally tested per 0-SI-4 6.H-2A, prior to installation.
WO 04-722413-018 - (3-SNUB-001-5018)
The original snubber (496) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10568) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation
WO 04-722413-019 - (3-SNUB-001-50)
The original snubber (133) was removed and tested as part of the 10 percent sample per the snubber program
The replacement snubber (6467) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-020 - (3-SNUB-001-5016)
The original snubber (145) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10570) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-021 - (3-SNUB-001-5015)
The original snubber (243) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10571) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

1.	Owner Tennessee Valley Authority (TVA) Name 1101 Market Street	Date <u>May 2, 2006</u>
2.	Chattanooga TN 37402-2801 Address Plant Browns Ferry Nuclear Plant (BFN) Name	Sheet 4 of 4 Unit 3 Work Orders (WOs) 04-722413-000 through -023 and 04-722413-026, 04-722413-027, 04-722413-085, 04-722413-112, 04-722413-113, 04-722413-116 and
3.	P. O. Box 2000, Decatur, AL 35609-2000 Work Performed by TVA-BFN P. O. Box 2000, Decatur, AL 35609-2000 Address	04-722413-112, 04-722413-113, 04-722413-116 and 04-722413-117 Recair/Replacement Organization P.O. No. Job No. etc. Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A
4.	Identification of System System 001, Main Steam System (ASME Code Class 2 equivalent except	3-SNUB-001-5075, ASME Code Class 1 equivalent)
	a) Applicable Construction Code <u>USAS B31.1.0</u> 19 th b) Applicable Edition of Section XI Utilized for Repairs or Replacem c) Applicable Section XI Code Case(s)	67 Edition, N/A Addenda, N/A Code Case nents 2001 Edition, 2003 Addenda

6. Identification of Components

Component Manufacturer Serial No. No. Identification Built Installed	ASME Code Stamped (Yes	Corrected, Removed, or	Year	Olher	National Board	Manufacturer	Name of	Name of
3-47B401-43	or No)			Identification	No,	Serial No.	Manufacturer	Component
Support (Snubber)	No	Removed	NA	RSSK-1	NA		Pacific Scientific	
Support (Snubber)	Yes	Installed	1981		N/A	10572	Pacific Scientific	
Support (Snubber)	No	Removed	N/A		N/A	242	Pacific Scientific	3-478401-44
Support (Snubber)	Yes	Installed	1981		N/A	10573	Pacific Scientific	
Support (Snubber) Pacific Scientific 416	No	Removed	N/A				Pacific Scientific	
Support (Snubber) Pacific Scientific 10576 N/A 3-SNUB-001-5027 1981 Installed RSSH-2	Yes	Installed	1981		N/A	10574	Pacific Scientific	
Support (spherical bearing) 3-47B400-107	No	Removed	N/A		N/A	416	Pacific Scientific	., , , ,
Dearing 3-47B400-107	Yes	Installed	1981		NΑ	10576	Pacific Scientific	
bearing) 3-47B400-107 3-47B400-107 3-47B400-107 Support (Snubber) 3-47B401-54 Pacific Scientific 6275 N/A 3-SNUB-001-5050 M/A Removed MSS-15S Support (Snubber) 3-47B401-54 Pacific Scientific 6278 N/A 3-SNUB-001-5050 MSS-15S Support (Snubber) 3-47B401-54 Pacific Scientific 6278 M/A 3-SNUB-001-5049 MSS-15N N/A Removed MSS-15N Support (Snubber) 3-47B401-54 Pacific Scientific M/A N/A 3-SNUB-001-5049 MSS-15N 1981 Installed MSS-15N Support (load pin) Pacific Scientific N/A N/A 3-SNUB-001-5054 N/A Removed	No	Removed	NA		N/A	N/A	Pacific Scientific	
Support (Snubber) Pacific Scientific 15545 N/A 3-SNUB-001-5050 1981 Installed 15478401-54 Support (Snubber) Pacific Scientific 6278 N/A 3-SNUB-001-5049 N/A Removed 1478401-54 Removed 1478401-54 Removed 1478401-54 Removed 1478401-54 Removed 1478401-54 Removed 1478401-54 Removed 1478401-54 Removed 1478401-5049 1478401-5	No	Installed	NVA		N/A	N/A	Pacific Scientific	Support (spherical bearing) 3-47B400-107
3-47B401-54 MSS-15S Support (Snubber) Pacific Scientific 6278 N/A 3-SNUB-001-5049 N/A Removed	No	Removed	NA		N/A	6275	Pacific Scientific	
3-47B401-54 MSS-15N Support (Snubber) Pacific Scientific 15548 N/A 3-SNUB-001-5049 1981 Installed 3-47B401-54 MSS-15N MSS-15N Support (load pin) Pacific Scientific N/A N/A 3-SNUB-001-5054 N/A Removed	Yes	Installed	1981		N/A	15545	Pacific Scientific	
3-47B401-54	No	Removed	N/A		NA	6278	Pacific Scientific	
	Yes	Installed	1981		N/A	15548	Pacific Scientific	3-47B401-54
0.410401.03	No	Removed	N/A	3-SNUB-001-5054 MSS-18S	N/A	N/A	Pacific Scientific	Support (load pin) 3-478401-59
Support (load pin) Pacific Scientific N/A N/A 3-SNUB-001-5054 1981 Installed 3-47B401-59 MSS-18S	No	Installed	1981		N/A	N/A	Pacific Scientific	
Support (Snubber) Pacific Scientific 6282 N/A 3-SNUB-001-5053 N/A Removed 3-47B401-59 MSS-18N	No	Removed	N/A	3-SNUB-001-5053	N/A	6282	Pacific Scientific	
Support (Snubber) Pacific Scientific 16153 N/A 3-SNUB-001-5053 1981 Installed 3-47B401-59 MSS-18N	Yes	Installed	1981		N/A	16153	Pacific Scientific	
								-

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks WO 04-722413-022 - (3-SNUB-001-5036)
The original snubber (209) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10572) is a new snubber and was functionally tested per 0-SI-4 6 H-2A, prior to installation.
WO 04-722413-023 - (3-SNUB-001-5037)
The original snubber (242) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10573) is a new snubber and was functionally tested per 0-SI-4 6 H-2A, prior to installation.
WO 04-722413-026 - (3-SNUB-001-5021)
The original snubber (482) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10574) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-027 - (3-SNUB-001-5027)
The original snubber (416) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (10576) is a new snubber and was functionally tested per 0-SI-4 6.H-2A, prior to installation.
WO 04-722413-085 - (3-SNUB-001-5075)
Snubber (13123) was removed and tested as part of the 10 percent sample per the snubber program and then returned to service.
Replaced the spherical bearing due to damage during removal.
WO 04-722413-112 - (3-SNUB-001-5050)
The original snubber (6275) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (15545) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.
WO 04-722413-113 - (3-SNUB-001-5049)
The original snubber (6278) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (15548) is a new snubber and was functionally tested per 0-SI-4.6 H-2A, prior to installation.
WO 04-722413-116 - (3-SNUB-001-5054) Replaced load pin lost during testing.
Snubber (6277) was removed and tested as part of the 10 percent sample per the snubber program and then returned to service.
Replaced load pin lost during testing.
WO 04-722413-117 - (3-SNUB-001-5053)
The original snubber (6282) was removed and tested as part of the 10 percent sample per the snubber program.
The replacement snubber (16153) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.

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FORM NE 1 NET CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS* As Required by t Provisions of the ASME Code Rules, St. in III, Division 1

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Support 1. D. No.	Registration No.	Drawings with Last Rev. & Date	or Load Caca- city Data Sheet	Component Support	· Class	Nat'l Board No.	. Year Built
(1) 6457-65	19 None	1201103-07-	F DR-1352-	linear	1	None	1979
(2)			Rev B	<u> </u>			
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	_/ Signed	Pacific Sc:	ientific :	07	Year		
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plamental shads in form of lists, shatches of Clamings may be used provided (1) size is 81, in . (2) information in items 1, 2, and this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of time form.

C/12/1/05.

INAL'I Bd . State, Prov. and No.1

FORM NF-1 (Back)

CERTI	IFICATE OF SHOP INS	SPECTION	
I, the undersigned, holding a valid commission issue Province of New York and amp			
		ed in this Data Report on	17110
and state that to the best of my ancested and the min the ASME Code for Nucley Power Plant Compo	belief the HPT Certificals Hol		
By signing this certificate, neither the Inspector nor supports described in this Data Report. Furthermo personal injury or property damage or a loss of a	ore, neither the Inspector r	nor his amployer shall be I	liable in any manner for any
12/20/79			
Sono - William D. Muga	Commissions	N. H. Comme	mi #2770_
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CERTIFIC	CATION OF FIELD IN	SPECTION	
I, the undersigned, holding a valid commission risued			
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that the parts referred to as data items		· ·	· ·
inspected by me and that to the best of my knowledge and		o der Nas constructed these c	omponent supports in accord-
ance with the ASME Code for Nuclear Power Plant Cor	mpenents.	•	
By signing this certificate neither the Impector nor hi	is employer makes any war	ranty, sapressed or implied	concerning the component
supports described in this Data Report. Furthermore, her			
injury or property damage or a loss of any bind prising from o		•	
Cata			·

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FC COMPONENT SUPPORTS. As Required by Province of the ASME Code Rules, Section III, Division 1

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4. Identification	Olac Est					
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SFEET 12 # 20

_ CERTIFIC	CATE OF SHOP INSPECTION	00024
1, she undersigned, holding a valid commission issued to Province of New York and employ	ry the National Board of Boiler and Pressure Vesa ea by ESEICI CO. of Far	el Invectors and the State or Land, CT
	monent supports described in this Cala Report on	
1980 DAE 83001+0018 10 10 10 10 401 01 141 01616 DAE 08 01	ef the MPT Cultificate Holder has constructed these con	nonthings in accordance
with the ASME Code for Nuclear Power Plant Componer	nts.	1
By signing this certificate, neither the Insoector nor his supports described in this Oata Report. Funhermore, personal injury or property damage or a loss of any	neither the Inspector nor his employer shall be	liable in any manner for any
Date		·
Signed William Mur-	Commissions	2770
	INVITAGU, State	President Net

CERTIFICATION OF FIELD INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	s and the State or
Province of	
are the statements in this Data Report with the described component su	pports and state
the parts referred to as data items, not included in the certificate of shop inspec	tion have been
_ sected by me and that to the best of my anomicode and setted the MPT Certificate molder has constructed these component s	1400001 in accord.
ance with the ASME Cace for Aucteal Power Plant Camponents	
By signing this cartificate neither the Intorctor nor his employer makes any warranty, expressed or implied, concernin	g ine component
swapons described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner	OF ANY DEFENDAN
inture or property Camage or a 1055 of any kind arising from or connected with this inspection	
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SignitaCommissions	
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Page-44

FORM NF-1 NPT CERTA CATE HOLDERS' DATA REPORT FOR SAMPONENT SUPPORTS. As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by_	Parille	Scientific 1				المنائل لك	92803
			(Name and add)	בש פו אף בלתווים			
2. Manufacturer for_	Bergen P	aterson Pipe		b. Mpnim	<u>Massachi</u>	setts. Die	וחו
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3. Location of Install	#110n			להס	mown_		
4. Identification							
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· Component Support R	Canadian	Drawings with	or Load Ca			Nat'l Board	
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This form (ED0075) may be obtained from the Order Dept., ASME, 345 E, 47th St., New York, N.Y. 10017

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اذباهدا

CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State u California and employed by HSBIGI Co. of Hartford, ... have inspected the component supports described in this Data Report on _ and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance min the ASME Code for Nuclear Power Plant Components. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. CERTIFICATION OF FIELD INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Impectors and the State or ___ and employed by___ Province of____ ... have compared the statements in this Data Report with the described component supports and state, not included in the certificate of shop inspection, have been l this, in parts referred to as data items _ inspecies by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accorance with the ASME Code for Nuclear Power Plant Components. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component

supports described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal

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injury or property damage or a loss of any kind arising from or connected with this inspection.

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FORM NF-1 NPT CER. CATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS* As Required by the Provisions of the ASME Code Rules, Section III, Division 1

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RTIFICATE OF SHOP INSPECTION the undersigned, holding a valid comits in with the ASME Code for Nuclear Care No. By signing this certificate, neither the different nor his employer makes any sversanty, expressed or implied, concerning the component supports described in this Data Band. Legithermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property demana . Those of any kind arising from or connected with this Inspection. CERTIFICATION OF FIELD INSPECTION , the undersigned, holding a valuation issued by the National Board of Boiler and Fressure Vessel Impectors and the State or and employed by have sometrant the statements in this Data Report with the described component supports and state that the parts referred to appdate in his not included in the conflicate of shop inspection, have been inspected by me and that to the desiral 12 10 wledge and belief the NPT Certificate Holder has constructed these component supports in accord-By signing this certificate neither the handtor nor his employer makes any warranty, expressed or implied, concerning the component supports described in this Date of the permore, entiner the inspector nor his employer shall be liable in any injury or present pamage or a loggistic.

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CERTIFICATION OF FIELD INSPECTION

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^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7003 and BFN-50-C-7105.

WID: <u>04-722413-0</u>70

9.	Remarks
	Applicable Manufacturer's Data Reports to be attached The original snubber (TVA Serial No. M0278) was removed and tested as part of the 10 percent sample per the snubber program.
	The replacement snubber (TVA Serial No. M0193) had been previously located in Unit 2 as 2-SNUB-074-5032 and was removed from
	Unit 2 under WO 04-718360-000. The replacement snubber (TVA Serial No. M0193) was rebuilt under WO 04-722413-070 and functionally
	tested per 0-SI-4 6.H-2B. Rebuild included installation of a new main cylinder tube.
•	
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	CERTIFICATE OF COMPLIANCE
	Locality that the statements made in the second are covered and that this conformal to the second made of the ACME Code. Covered VI
	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Starles C, U/Med), System Engineer Date 5/9, 2006
	Signed System Engineer Date 0,2000
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of Tennessee and employed by HSB CT of HART Fore Connecticut have inspected the components described
_	in this Owner's Report during the period $i1/(7/0.5)$ to $6/(1/0.6)$, 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 Tu2534 National Board State Province and Endorsements
	Date

1. Owner Tenness	see Valley Authority (TVA)		Date	May 8, 2006			
1101 M	arket Street							
Chattar	ooga, TN 37402-2801		_	Sheet	1 of	1		
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2. Plant Browns	Ferry Nuclear Plant (BFI	۷)		Unit	3			
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				Expiration	on Date N/	`		
4. Identification of Sys	stem System 068, Rea	ctor Recirculation S	ystem (ASN	IE Code Cla	ss 1 equivalent)		
5. (a) Applicable Con	struction Code USAS E	331.1.0 19	67 • Edi	tion,	N/A	Addenda,	N/AC	Code Case
(b) Applicable Editi	on of Section XI Utilized fo	or Repairs or Replac	ements 20	01 Edition,	2003 Addenda			
(a) Applicable Con	tion VI Codo Coco(o)		_			-		
(c) Applicable Sec	ion XI Code Case(s)							
6. Identification of Cor	mponents							
								ASME
			National		•		Corrected	Code
Name of	Name of	Manufacturer	Board		Other	Year	Corrected, Removed, or	Stamped (Yes
Component	Manufacturer	Serial No.	No.	Iden	tification	Built	Installed	or No)
Support (Snubber) 3-47B465-457	Pacific Scientific PSA-10	10878	N/A	3-SNU	3-068-5024	N/A	Removed	No
Support (Snubber)	Pacific Scientific	10627	N/A	3-SNU	3-068-5024	1981	Installed	Yes
3-47B465-457 Support (Snubber)	PSA-10 Pacific Scientific	10875	N/A	3-SNUE	3-068-5025	- N/A	Removed	No
3-47B465-480 Support (Snubber)	PSA-10 Pacific Scientific	10673	N/A	3-SNU	3-068-5025	1981	Installed	Yes
3-47B465-480	PSA-10					1301	instance.	
						:		
7. Description of World	Replaced 2 snubbers.							·
8. Tests Conducted:	Hydrostatic F	Pneumatic	Nominal C	perating Pre	essure 🔲	Exempt		
	Other 🖾 ** Pres	sure N/A ps	i Tes	Temp.	N/A °F	•• .	See Remarks	
				- ja	* .			
NOTE: Supplemen	tal Sheets in form of lists, s	sketches, or drawing	s may be use	ed, provided	(1) size is 8½ i	n, X 11 in	. (2) information i	in items 1
	oort is included on each sh							

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

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7068 and BFN-50-C-7105.

9.	RemarksWO 04-722413-080 - (3-SNUB-068-5024)
	Applicable Manufacturer's Data Records to be attached The original snubber (10878) was removed and tested as part of the 10 percent sample per the snubber program.
	The replacement snubber (10627) is a new snubber and was tested per 3-SI-4.6.H-2A, prior to installation.
	WO 04-722413-081 - (3-SNUB-068-5025)
•	The original snubber (10875) was removed and tested as part of the 10 percent sample per the snubber program.
•	The replacement snubber (10673) is a new snubber and was tested per 3-SI-4.6 H-2A, prior to installation.
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Stock (1/1/1)
	Signed Typical , Meet System Engineer Date Date
	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
-	HAT Ford Connecticut have inspected the components described in this Owner's Report during the period 3/15/26 to 5/51/26 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 20 C · P
_	Inspector's Signature Commissions TN 253'Y National Board State Province and Endorsements
	Date

FORM NEW INTERESTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS' As Required by the provisions of the ASME Code Rules, Section III, Division 1

	enulariouse bi	Pacific	Scientific)	1346 S. State Co	llege Elvi.	Arahe	im, Ca.	รวิหอ3
, ~,,	E TO THE TOTAL DI			(Name and acoress of A	Of Centificate more	ter)		
, sa:	notecturer to	, Bergen	Paterson Pipe	support Corp.	74 C Conner Ibburn, 11a			ลา
2			***************************************	(Name and address of				* <u></u>
2. Læ	cation of Insta	listion			שאכרבות	n .		
đ. loc	ntification	;						
	61	· (b)	(c)	(d)	(e)	(1)	(c)	(n)
	mponent	Canadian	Applicable	Stress Report	Type of		•	•
	uppert D. No.	Registration No.	Drawings with Last Rev. & Date	or Load Capa- city Data Sheet	Component Suppopri	Class	Nat'l Board No	Year Built
	415-10424		801103-07-H	DR-1416-Rev. 0				
11110	618-10699	100.15			Linear	1	None	<u> 19E1</u>
								
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			· 					
(S)		<u> </u>						
(10)								
5 Rema	,,,, <u>B</u> 1	ilt in acc	ordance with	TVA/C.F. Braun	Design Spec	. No.	400-20	
						- :		
			·					
			CERTIFIC	TATE OF COMPLIAN	YCE		•	
				rect and that these com				
	1600		Plant Components, S	ection III, Division 1, E	_	_	ر 1 ا	<u>- 3 2 1 /</u>
Cook Case	0/1/81		Pacific Scie	entific .	- Rapl	i (6.)	NDW -	}
Da 14	11110.	Signed_	Pacific Scie	Cale Holder)	- Herak	<u> </u>		
O., 45MF	Carrelessa	l Authoutation	No 1198	to use the_	Carconer	it Supp	orts :	
CO1 ~5111C		, _0,,,0,,,2,,,0				INPTI		
·vmbol sa	אַניים אַניים	. 4, 1981						
		(Date)			·			
			CERTIFI	CATION OF DESIG	N			1
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ملما سونعط	imation on Fi	Pac:	ific Scientif:	<u>ic</u>				
8	u ar lasa Cu	outily Data Shi	anti na Ede ati					
	Scientif.		VIIIS ON PHE VI.					.]
ilei Pe	er 114 325	6						
Jesign Spec	ifications Care	illed by 111_	Hex Pals	<u>enko</u> pe	StateC	alifor	nia	
sec. No.	C22,109				•			_
	•						•	. !
tres Analy	in Report or 1	Laid Cipicity	Data Sheets Certified	by (1) Leo E.	Ay	».		- 1
E State	Californi	2 	Reg No	13533	•			.
11			•				0	1, 1136
1 F161 US W	i phiy, siphatu	001 1000 1100	J.					2/1"

[&]quot;Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½ in... (2) information in items 1, 2. 4c. 4g on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorned at lop of this form.

CERTIFICATE OF SHOP INSPECTION

	d commission issued by the National Board of Boiler and Pressure Versel Inspector and the Sta and employed by HSBISI CO. of Bartford, CT
· · · · · · · · · · · · · · · · · · ·	here inspected the component supports described in this Data Report on
1	my knowledge and belief the HPT Certificate Holder has constructed these component supports in accorda
with the ASME Code for Nuclear	•
	·
By signing this certificate, neithe	the Inspector nor his employer makes any warranty, expressed or implied, concerning the components
• • •	ieport. Furthermore, neither the Inspector nor his employer shall be liable in any manner for i
personal injury or property dar	age or a loss of any kind arising from or connected with this inspection.
7-8-81	
Signed_ lellean	Merfel Commissions Ca #1494 [Nat'l Bc., State, Prov., and No.]
319/186	(Net'l Bd., State, Prov., and No.)
•	
·	
	CERTIFICATION OF FIELD INSPECTION
	CENTRICATION OF TIEED WOLLDON
	commission issued by the National Board of Boiler and Fressure Vessel Inspectors and the State
Province of	and employed by
Province of have co	mpared the statements in this Data Report with the described component supports and state
Province of have contain the parts referred to as dat	and employed by
has the parts referred to as dates the period by my and that to the best of	and employed by
Province of have conhai the pans referred to as dat	and employed by
have contained the parts referred to 25 dates or me and that to the best of the with the ASME Code for Nucleine with the ASME Code for Nucleine	and employed by
Province of	and employed by
have consisted to as dated as parts referred to as dated as parts referred to as dated as parts of the best of the best of the with the ASME Code for Nucley signing this cartificate neither the poons described in this Data Repo	and employed by
Province of	and employed by
Province of	and employed by
have consisted to as dated as parts referred to as dated as parts referred to as dated as parts of the best of the best of the with the ASME Code for Nucley signing this cartificate neither the poons described in this Data Repo	and employed by

1.	Owner	Tennesse	e Valley Authority (TVA)		Date	May 8, 2	006			
	_	1101 Mai	Name rket Street		_				_		
_		Chattano	oga, TN 37402-2801			Sheet	1	of	1		
			Address								
2. 1	Plant		erry Nuclear Plant (BFI		_	Unit	3				
_		P. O. 8ox	2000, Decatur, AL 35	6609-2000	_	Work	Order (WO	<u> </u>		68 on P.O. No. Job No	atc
3. \	Nork Per	formed by				Type C	ode Symbo			/A	eic.
J . ,	WOIK I CI	. •	2000, Decatur, AL 35		_	,,	zation No.	N/A			
			Address				on Date	N/A	 -		
						Expirati	on Date	IVA		· · ·	
4. 1	dentificat	ion of Syste	em System 063, Star	ndby Liquid Control	System (AS	ME Code C	lass 2 equi	valent)			
5. (a)	Applic	able Const	ruction Code USAS E	331.1.0 19	<u>67 ·</u> Ed	ition,	N/A	Ac	ldenda,	N/A	Code Case
(b)	Applic	able Edition	n of Section XI Utilized fo	or Repairs or Replac	ements 20	01 Edition,	2003 Adde	enda			
(-)	A 1:-	abla Castia	- VI Cada Casa(a)		-						
(c)	Аррію	able Sectio	n XI Code Case(s)								
6. le	dentificati	on of Comp	ponents		•						
											ASME
				1	l						Code
	Name	of ·	· Name of	Manufacturer	National Board	,	Other	ĺ	Year	Corrected, Removed, or	Stamped (Yes
	Compor	ent	Manufacturer	Serial No.	No.	lder	ntification		Built	Installed	or No)
	rt (Snubb 462-27	er)	Bergen-Paterson	TVA Serial No. M0078	N/A	3-SNU	B-063-500	1	N/A	Removed	No
	rt (Snubb 462-27	er)	Bergen-Paterson	ADH-300-2048	N/A	3-SNU	B-063-500	1	N/A	Installed	No
	<u> </u>										
			,		·		···				
											
			•		•						
7. D	escriptio	of Work	Replaced snubber.	<u> </u>							
				-							
8. T	ests Con	ducted:	Hydrostatic 🔲 P	neumatic	Nominal C	perating Pr	essure 🗌]	Exempt		
			Other 🛛 · · Press	sure N/A psi	Tes	st Temp.	N/A	°F	•	* - See Remark	s
			•								

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7003 and BFN-50-C-7105.

	ID: <u>04-722413-068</u>
9.	Remarks Applicable Manufacturer's Data Reports to be attached The original snubber (TVA Serial No. M0078) was removed and tested as part of the 10 percent sample per the snubber program.
	The newly installed snubber (ADH-300-2048) is a new snubber and was functionally tested per 0-SI-4.6.H-2B.
-	
-	
-	
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Styling Signed System Engineer Date 5/9, 2006
	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 and employed by of
	Hautined Connecticut have inspected the components described
	in this Owner's Report during the period ///30/05 to 5/3//36 , 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.
_	Source M. Earney, Commissions TN 2534 Inspector's Standard Endorsements National Board State. Province and Endorsements
	Date

1	Owner	Tennesse	ee Valley Authority (TV	A)		Date	May 9, 200	6	•	
		1101 Ma	Name irket Street			•				
		Chattano	oga, TN 37402-2801		_	Sheet	1 (of 2		
			Address					· 		
2.	Plant	Browns	Ferry Nuclear Plant (BF	N)		Unit	3			
		P O Bo	Name x 2000, Decatur, AL 3	5609-2000			orders (WOs) 979-000 and		-000, 05- 7 15978	-000,
•		, <u> </u>	Address	2000 2000	_				on P O No . Job No .	etc
3.	Work Pe	rformed by	TVA-BFN Name			Type C	ode Symbol S	Stamp N	/A	
		P. O. Bo	x 2000, Decatur, AL 3	5609-2000		Authoria	zation No.	N/A		
			Address		_	Expiration	on Date	√A		
4.	Identifica	tion of Syst	lem System 074, Re	sidual Heat Removal	(RHR) Syste	em (ASME	Code Class 2	2 equivalent)		
- /			trustica Codo LISAS	P24 4 0 40	67: 54	*:	A2/A	^	N/A	Cada Casa
5. (a	а) Арри	cable Cons	truction Code USAS	B31.1.0 19	67 Ed	ition,	N/A	Addenda,	- NA C	Code Case
(1	o) Appli	cable Editio	on of Section XI Utilized f	or Repairs or Replac	ements 20	01 Edition,	2003 Addend	da		
10	c) Appli	cable Secti	on XI Code Case(s)		•					
6. ——	Identifica	tion of Com	ponents		·	·			,	· · · · · ·
	Name		. Name of	Manufacturer	National Board		Other	Year	Corrected, Removed, or	ASME Code Stamped (Yes
RHF	Compor R System I		Manufacturer Hancock	Serial No. N/A	No.		ntification /-074-0792	Built N/A	Installed +	or No) No
	ck Valve								7	
				‡ - Replace	d CKV cap a	nd disc				
сар			Hancock	N/A	N/A	3-CKV	/-074-0792	N/A	Removed	No
сар			Anderson Greenwood Crosby	N900132-31-009	N/A	3-CKV	-074-0792	N/A	Installed	No
disc			Hancock	N/A	N/A	3-CKV	-074-0792	N/A	Removed	No
disc			Anderson Greenwood Crosby	N900133-31-003	N/A	3-CKV	-074-0792	N/A	Installed	No
7.	Description	on of Work	Replaced bonnet/cap	and disc				:		
8.	Tests Co	nducted:	Hydrostatic	Pneumatic	Nominal C	perating Pr	essure 🛛	Exempt		
			Other Pres	ssure <u>N/A</u> ps	Tes	st Temp.	<u>N/A ;</u> °F	12.4		
	NOTE: S through 6	upplementa on this rep	al Sheets in form of lists, ort is included on each si	sketches, or drawing heet, and (3) each sh	s may be us eet is numbe	ed, provided ered and the	(1) size is 81 number of sh	½ in. X 11 in., neets is recor	, (2) information ded at the top of	in items 1 this form.

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7074 and BFN-50-C-7105.

	05-715979-000 and 05-719565-000
9.	Remarks Replaced bonnet and disc
	Applicable Manufacturer's Data Reports to be attached
-	
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-	
_	
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Type Gode Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date N/A
	01.10.110
	Signed Strate System Engineer Date 5/15 , 20 06
	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 Tennessee and employed by HSB CT of
	Connecticut have inspected the components described
	in this Owner's Report during the period 2/2/06 to S/16/06 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.
	ρ
	Land Fland Commissions TN 4011
_	Inspector's Signature Commissions TW 4011 National Board State Province and Endoisements
	Date \$\(\begin{align*} \frac{\partial}{2} & \partial \beta. \end{align*} \]

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

1.	Owner <u>Tennesse</u>	ee Valley Authority (TV	A)		Date <u>May 9, 2006</u>			
_	1101 Ma	rket Street		_				
_	Chattano	oga TN 37402-2801			Sheet 2 of	_2		
2.		Address Ferry Nuclear Plant (Bl	FN)	_	Unit <u>3</u>			
	P. O. Bo	x 2000, Decatur, AL	35609-2000		Work Orders (WOs) (05-715979-000 and 05			000,
3.	Work Performed by	Address		_	Repair/Replaceme Type Code Symbol Sta	ent Organizatio	on P.O. No , Job No . 6	etc
J .		x 2000 Decatur, AL 3	25609-2000	_	Authorization NoN			
	P. O. BO	Address	55005-2000	-			,	
4	Identification of Svs	tem System 074 Re	esidual Heat Removal	(RHR) Syste	Expiration Date <u>N/</u> em_(ASME Code Class 2)	equivalent)		
5. (a) (b)	Applicable Edition	on of Section XI Utilized	B31.1.0 19 for Repairs or Replac	<u>67 *</u> Ed ements 20	tion 01, 2003 Addenda	Addenda.	c	ode Case
(c) 6.	Applicable Section of Con	ion XI Code Case(s)						
	<u> </u>		1			1		ASME
	Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	Code Stamped (Yes or No)
	System Fill k Valve	Hancock	N/A	N/A	3-CKV-074-0804	N/A	#	No
			‡ - Replace	d CKV cap a				
сар		Hancock	N/A	N/A	3-CKV-074-0804	N/A	Removed	No
сар		Anderson Greenwood Crosby	N900132-31-002	N/A	3-CKV-074-0804	NA	Installed	No
disc		Hancock	N/A	N/A	3-CKV-074-0804	N/A	Removed	No
disc		Anderson Greenwood Crosby	N900133-31-009	N/A	3-CKV-074-0804	N/A	Installed	No
DUD.	Contact Ein	Latinary	T N/A	1 AVA 1	0.000.000	1 21/2		Nia
	System Fill	Hancock	N/A	N/A	3-CKV-074-0802	N/A	#	No
		<u> </u>	‡ - Replace					
сар		Hancock	N/A	N/A	3-CKV-074-0802	N/A	Removed	No
сар		Anderson Greenwood Crosby	N900132-31-007	N/A	3-CKV-074-0802	N/A	Installed	No
disc		Hancock	N/A	N/A	3-CKV-074-0802	N/A	Removed	No
disc		Anderson Greenwood Crosby	N900133-31-005	N/A	3-CKV-074-0802	N/A	Installed	No
RHR S Check	System Fill Valve	Hancock	N/A	N'A	3-CKV-074-0803	N/A	‡	No
			‡ - Replaced	CKV cap ar	nd disc			
сар		Hancock	N/A	N/A	3-CKV-074-0803	N/A	Removed	No
сар		Anderson Greenwood Crosby	N900132-31-004	N/A	3-CKV-074-0803	N/A	Installed	No
disc		Hancock	N/A	- N/A	3-CKV-074-0803	N/A	Removed	No
disc		Anderson Greenwood Crosby	N900133-31-004	N/A	3-CKV-074-0803	N/A	Installed	No
						A		

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Work Orders (WOs) 05-715977-000, 05-715978-000,

05-715979-000	and 05-719565-000			
Remarks	Replaced bonnet and disc		 	
	·			
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		`` <u> </u>		
			 •	

t.	Owner Tenness	see Valley Authority (TV	A)		Date	May 9, 2006			
	1101 M	Name arket Street							
	Chatta	274D2 28D1		_	Chast	4	2		
	Chattar	nooga, TN 37402-2801 Address		_	Sheet	of			
2.	Plant Browns	Ferry Nuclear Plant (BF	·N)		Unit	3			
		Name	<u></u>				5 745004		
	P.O.B	ox 2000, Decatur, AL 3	15609-2000		Work C			000 and 05-716	
3.	Work Performed b	-			Type C	ode Symbol Star		/A	
	P O B	Name ox 2000, Decatur, AL 3	5609-2000		•	zation No. N/	·		
	1.0.5	. Address	2005 2000	_	_			······································	
					•	on Date N/A	<u> </u>		
4.	Identification of Sys	stem System 075, Co	re Spray (CS) System	n (ASME C	ode Class 2	equivalent)			
5. ((a) Applicable Con	struction Code USAS	B31.1.0 19	67 Edi	tion,	N/A A	Addenda,	N/A C	Code Case
	n karan Alamanan dan Produk		las Bassian as Baslan			0000 4-144-			
(b) Applicable Edit	ion of Section XI Utilized t	or Hepairs or Hepiac	emenis 20	U1 Edition,	2003 Addenda	-		
(c) Applicable Sec	tion XI Code Case(s)							
6.	Identification of Con	mponents							
									ASME
				Ì					Code
	· Name of	· Name of	Manufacturer	National Board		Other	Year	Corrected, Removed, or	Stamped (Yes
, 	Component	Manufacturer	Serial No.	No.		ntification	Built	Installed	or No)
	System Fill eck Valve	Hancock	NA	N/A	3-CK\	/-075-0607	N/A	#	No
	SOR VUIVE		# - Poplace	II d CKV cap a	nd disp	,,,, ,,,,,, ,_,,	1	<u> </u>	l
сар		Hancock	N/A	N/A		/-075-0607	N/A	Removed	No
сар		Anderson Greenwood Crosby	N900132-31-005	N/A	3-CKV	/-075-0607	N/A	Installed	No
disc	;	Hancock	N/A	N/A	, 3-CKV	7-075-0607	NA	Removed	No
disc	:	Anderson Greenwood Crosby	N900133-31-008	N/A	зски	7-075-0607	N/A	Installed	No
							<u> </u>		······································
7.	Description of Worl	Replaced bonnet/cap	and disc	*					
8.	Tests Conducted:	Hydrostatic	Pneumatic	Nominal C	perating Pr	essure 🛛	Exempt		
	•	Other Pres	ssure N/A ps	· Too	t Temp.	N/A °F			
	2	- Title	ps	, 100	_		• •		
	NOTE: Supplemen	tal Sheets in form of lists,	sketches or drawing	ie may be ue	ed provided	/1) cizo io 91/- i-	Y 11 in	(2) information i	n items 1
•	through 6 on this re	port is included on each s	heet, and (3) each sh	eet is numbe	red and the	number of shee	ts is recor	ded at the top of	this form.
		•						•	

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7074 and BFN-50-C-7105.

CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. spec Code Symbol Stamp N/A Expiration Date N/A Expiration Date N/A CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Tennessee Connecticut Thave inspected the components described this Owner's Report during the period The Assumption and taken corrective measures described in this Owner's Poor in accordance with the requirements of the ASME Code, Section XI. By signing this certificate ineither the Inspector nor his employer makes any warranty, expressed or implied, concerning the aminations and corrective measures described in this Owner's Report up to the ASME Code, Section XI. Solve The Assumption of the ASME Code, Section XI. The Assumption of the ASME Code, Section XI. Solve The Assumption of the ASME Code, Section XI. Assumption of the ASME Code, Section XI. Assumption of the ASME Code, Section XI. The Assumption of the ASME Code of the ASME Code, Section XI. Assumption of the ASME Code of the ASME Code of the Asminations and the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in the Asman of the ASME Code, Section XI. Commissions The Young Assumption of the Asman Board Shale Province and Endorsements and the Asman of the Asman Board Shale Province and Endorsements and the Asman of the Asma	Remarks	Replaced bonnet and disc	
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Appe Code Symbol Stamp N/A Expiration Date N/A Expiration Date N/A In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period 1 5 5 5 L and state that the best of my knowledge and belief, the Owner has periodmed examinations and taken corrective measures described in this Owner's period and corrective measures described in this Owner's Pagort 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 aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector on his employer shall be liable in ymanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 4011 National Board State Prownce and Endorsements			plicable Manufacturer's Data Reports to be attached
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Appe Code Symbol Stamp N/A Expiration Date N/A Expiration Date N/A In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period 1 5 5 5 L and state that the best of my knowledge and belief, the Owner has periodmed examinations and taken corrective measures described in this Owner's period and corrective measures described in this Owner's Pagort 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 aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector on his employer shall be liable in ymanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TW 4011 National Board State Prownce and Endorsements			
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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 Province of Tennessee and employed by HSB CT Connecticut This Owner's Report during the period This Owner has periodized examinations and taken corrective measures described in this Owner's By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the annuations and corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. System Engineer Date 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 Province of Tennessee and employed by HSB CT Connecticut This Owner's Report during the period Tennessee and employed and belief, the Owner has periodized examinations and taken corrective measures described in this Owner's peoprt 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 annuations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in ymanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions The Malonal Board State Prowner, and Endorsements			
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ertificate of Authorization No. N/A Expiration Date N/A System Engineer Date Date Dat		. CE	ZERTIFICATE OF COMPLIANCE
ertificate of Authorization No. N/A Expiration Date N/A System Engineer Date Date Dat	certify that t	the statements made in the report are correc	ect and that this conforms to the requirements of the ASME Code, Section XI.
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certificate of Authorization No. NA Expiration Date N/A System Engineer Date Date D			•
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 Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period 1 1 1 1 1 1 1 1 1 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the arminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in the property damage or a loss of any kind arising from or connected with this inspection. Commissions TN YD I/ Inspector's Sunature Commissions TN YD I/ National Board, State Province, and Endorsements	ype Code S	iymbol Stamp 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 Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period 1 1 1 1 1 1 1 1 The best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's export 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 aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in the property damage or a loss of any kind arising from or connected with this inspection. Commissions TN YDI/ National Board, State Prownce, and Endorsements	ertificate of	Authorization No. N/A	Expiration Date N/A
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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 Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport 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 aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable if y manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions TN 401/ National Board, State Province, and Endorsements	igned		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Tennessee and employed by HSBCT Connecticut		Owner or Owner's Designee Title	e
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Tennessee and employed by HSBCT Connecticut			
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Province of Tennessee and employed by HSB CT Connecticut have inspected the components described this Owner's Report during the period 1 1 5 0 5 0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I, the u		
this Owner's Report during the period	Province o		
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y manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Lower To Your Mational Board. State Province, and Endorsements			
Inspector's Signature National Board, State Province, and Endorsements			
Inspector's Signature National Board, State Province, and Endorsements			
Inspector's Signature National Board, State Province, and Endorsements	<i>- 1 :</i>	0-100	TN WOLL
	(Z^{\cdot})		Commissions I IV 1011
	Som	Inspector's Signature	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

Owner <u>Tennesse</u>	e Vallev Authority (TV/	9)		Date <u>May 9 2006</u>			
1101 Mar	rket Street		_				
Chattano	oga. TN 37402-2801 Address		_	Sheet _2 of	_2		
2. Plant Browns F	erry Nuclear Plant (BF	:N)	_	Unit 3			
P. O. Box	2000, Decatur, AL 3	5609-2000		Work Orders (WOs) 05			
3. Work Performed by	IVA-BFN Address	<u></u>		Type Code Symbol Star	np <u>N</u>	A Job No .	
P. O. Box	2000 Decatur AL 3	5609-2000		Authorization No. No.	٩		
4. Identification of Syst		ore Spray (CS) System	n (ASMEC	Expiration Date <u>N/A</u> ode Class 2 equivalent)			
(b) Applicable Editio	n of Section XI Utilized t	B31.1.0 19 for Repairs or Replace	67 Ed	tion, <u>N/A</u> A 01, 2003 Addenda	Addenda.	NA C	ode Case
(c) Applicable Section 6 Identification of Com	on XI Code Case(s) ponents					·	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CS System Fill Check Valve	Hancock	N/A	N/A	3-CKV-075-0606	N/A	#	No
	<u> </u>	‡ - Replace	d CKV can a	and disc		<u> </u>	<u> </u>
сар	Hancock	N/A	N/A	3-CKV-075-0606	N/A	Removed	No
сар	Anderson Greenwood Crosby	N900132-31-012	N/A	3-CKV-075-0606	N/A	Installed	No
ic disc scislide	Hancock	N/A	N/A	3-CKV-075-0606	N/A	Removed	No
disc	Anderson Greenwood Crosby	N900133-31-002	N/A	3-CKV-075-0606	N/A	Installed	No
		·					
			l	······································	<u> </u>		
				<u>-</u>			
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FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Work Orders (WOs) 05-715981-000 and 05-716126-000

Remarks Replaced bor	net and disc			
		 -	· · · · · · · · · · · · · · · · · · ·	
		·		 <u> </u>
· · · · · · · · · · · · · · · · · · ·				 <u> </u>
	· · · · · · · · · · · · · · · · · · ·			
				
				

1.	Owner Tennessee	e Valley Authority (TVA))		Date	May 11, 2006			
	1101 Mark	Name ket Street							
	Chattanoo	ga, TN 37402-2801		- -	Sheet	1 of	_1		
2.	Plant Browns Fe	Address erry Nuclear Plant (BFN	4)		Unit	3			
		Name	<u>·</u> <u>-</u>	→		Change Notice (
	P.O. Box	2000 Decatur AL 35	609-2000	_		768-000, 05-721	769-000 a	000, 05-721767- and 05-717705-0	04
3.	Work Performed by	Address TVA-BFN			Type C	Receir/Reclacemer ode Symbol Star		on P.O. No . Job No . /A	elc
	P. O. Box	Name 2000, Decatur, AL 35	609-2000		Authoria	zation No. N/	. <u> </u>		25
	•	Address			Expirati	on Date N/A			
4.	Identification of Syste	m System 001, Mair	Steam System (A	SME Code C	Class 2 equi	valent)			
5. (a) Applicable Constr	ruction Code USAS B	31.1.0 19	Edi	tion,	NA A	Addenda,	N/A C	Code Case
(b) Applicable Edition	of Section XI Utilized fo	r Repairs or Replace	ements 20 _	01 Edition,	2003 Addenda	_		
(c) Applicable Section	n XI Code Case(s)							
6.	Identification of Comp	onents							
									ASME
	•								Code
	Name of	Name of	Manufacturer	National Board	,	Other	Year	Corrected, Removed, or	Stamped (Yes
	Component	Manufacturer	Serial No.	No.		ntification	Built	Installed	or No)
	am to SJAE A 1&2 Isol Valve	Hancock 5500	N/A .	N/A	3-FC\	/-001-0155	N/A	Removed	No
	am to SJAE A 1&2 Isol Valve	Flowserve (Anchor/Darling)	74BCF	N/A	3-FC\	/-001-0155	N/A	Installed	No
Stea	am to SJAE B	Hancock 5500	N/A	N/A	3-FC\	/-001-0156	N/A	Removed	No
Stea	1&2 Isol Valve am to SJAE B	Flowserve	72BCF	N/A	3-FCV	/-001-0156	N/A	Installed	No
	1&2 Isol Valve am to SJAE A	(Anchor/Darling) Hancock	N/A .	N/A	3-FCV	/-001-0172	NA	Removed	No
	3 Isol Valve	5500	74005	N/A	9 501	/ 001 0170	N/A	Installed	No.
	im to SJAE A 3 Isol Valve	Flowserve (Anchor/Darling)	71BCF	N/A	3-FCV	/-001-0172	N/A	Installed	No
	im to SJAE B 3 Isol Valve	Hancock 5500	N/A	N/A	: 3-FCV	/-001-0173	N/A	Removed	No
	m to SJAE B 3 Isol Valve	Flowserve (Anchor/Darling)	73BCF	N/A	3-FCV	7-001-0173	N/A	Installed	No
pipe		unknown	N/A	N/A		N/A	N/A	Removed	No
pipe		Consolidated Power Supply	N/A	N/A		N/A	N/A	Installed	No
7.	Description of Work	Replaced isolation valv	es with new valves	and replaced	some asso	ciated piping.			
	•								
8.	Tests Conducted:	Hydrostatic P	neumatic	Nominal O	perating Pro	essure 🛚	Exempt		
	c	Other Press	sure <u>NA</u> psi	Tes	t Temp.	N/A °F			

^{*}as amended by additional quality assurance requirements found in Contract 20077-0278 and Design Criteria BFN-50-7001 and BFN-50-C-7105.

Remarks	Replaced isolation valves with		er's Data Reports to be at			
						·
						
						
· · · · · · · · · · · · · · · · · · ·		CERTIFICATE	OF COMPLIANCE			
	• •	OLI III IOATE	or commented			
certify that I	the statements made in the repo	rt are correct and that thi	s conforms to the re	quirements of th	ne ASME Code, Sec	ction XI.
ype Code S	Symbol Stamp N/A					
ertificate of	Authorization No. N/A		Expiratio	n Date N/A		
crumouto or	16 16 16	11/1		-10/1	-/-	
igned	Tenhol lil	, System Engir	neer Date		5/18	,20 <u>0</u>
· <u>·</u>	Owner or Owner's D	esianée. Tille	 			
			•			
						•
J. Jh.s	undersigned, holding a valid com	CERTIFICATE OF IN			Vaccal languages	-d the Ctate
Province o		and employed b	y	HSI	vessei inspectors a B CT	ing the State
	HART Ford Con	necticut		have insp	ected the compone	
	r's Report during the period my knowledge and belief, the O	2/17/06		31/06		nd state that
eport in acc	cordance with the requirements of	of the ASME Code, Section	on XI.			•
	ning this certificate neither the In					
	and corrective measures descri or any personal injury or property					shall be liable in
,	or any polocinal injury of property	camage or a rece or any			and moposition.	
0		1				
			ions TN2	CZU		
63,	ruce M. Earnigh	Commiss	ions // ~-	, ,		

1.	Owner	Tennessee	Valley Authority (TVA)			Date	May 11,	2006			
		1101 Mark	et Street								
		Chattanoo	ga, TN 37402-2801			Sheet	1	of	1		
2.	Plant	Browns Fe	Address erry Nuclear Plant (BFN	1		Unit	3				
۷.	i idiji		Name	, 509-2000)a) 0E	717705	000 and 05-717	705.004
•		P. O. BOX	Address	009-2000		VVOIK				on P.O. No . Job No .	
3.	Work Pe	rformed by _	TVA-BFN		_	Type C	ode Symbo	ol Stam	p <u>N</u>	<u>/A</u>	
-		P. O. Box	2000, Decatur, AL 356	509-2000	_	Authori	zation No.	N/A			
			Adoress			Expirat	ion Date	N/A			
4.	Identifica	tion of Syster	m System 006, Heat	er Drains and Vent	s (HDV) Syst	em (ASM	E Code Cla	ss 2 e	quivalent)	· · · · · · · · · · · · · · · · · · ·
5. (a	ı) Appli	cable Constr	uction Code USAS B	31.1.0 19	67 * Edi	tion,	N/A	Ad	ddenda,	N/A	Code Case
(t) Appli	cable Edition	of Section XI Utilized for	Repairs or Replac	ements 20	01 Edition,	2003 Add	enda			
	.\ AI:	bla C-atian	VI Codo Constal		_						
(0	;) Арри	cable Section	XI Code Case(s)								
6.	Identifica	tion of Comp	onents								
	,										ASME Code
	Name	e of	Name of	Manufacturer	National Board		 Other	ì	Year	Corrected, Removed, or	Stamped (Yes
	Compo		Manufacturer.	Serial No.	No.	lde	ntification		Built	Installed	or No)
HDV	/ piping		Unknown	N/A	N/A		N/A		N/A	Removed	No
HDV	piping		Consolidated Power Supply And Mid- South Nuclear	N/A	N/A		N/A		N/A	Installed	No
· · · · · · · ·											
								1			
						· .					
			L		<u> </u>						<u> </u>
7.	Descripti	on of Work	Replaced carbon steel	steam drain piping	with FAC res	istant Cr-N	lo alloy pipi	ng.			
		•						-			
8.	Tests Co	nducted: F	lydrostatic P	neumatic	Nominal C	perating P	ressure 2	3	Exempt		
		c	Other Press	ure <u>N/A</u> ps	i Tes	t Temp.	N/A	°F			
			Sheets in form of lists, s		•						

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.

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7006 and BFN-50-C-7105.

-	Orders (WOs) 05-717705-000 and 05-717705-004							
Remarks	marks Replaced carbon steel steam drain piping with FAC resistant Cr-Mo alloy piping. Applicable Manufacturer's Data Reports to be attached							
_	<u> </u>							
	CERTIFICA	ATE OF COMPLIANCE						
certify that t	the statements made in the report are correct and tha	at this conforms to the requirements of the ASME Code, Section XI.						
r c	Sumb at Change - NVA							
ype Code S	Symbol Stamp N/A							
Certificate of	f Authorization No. N/A	Expiration Date N/A						
	1-11							
Signed 🚄	Testac, Willed, System E	Engineer Date 5/18 , 20 06						
	Owner or Owner's Designed. Title							
_								
Libou		DF INSERVICE INSPECTION ne National Board of Boiler and Pressure Vessel Inspectors and the State						
r Province o		yed by HSB CT of						
	Hartford Connecticut	have inspected the components described						
this Owner	r's Report during the period 2/24/36	to 3/3/06 , and state that dexaminations and taken corrective measures described in this Owner's						
leport in acc	cordance with the requirements of the ASME Code, S	Section XI.						
		loyer makes any warranty, expressed or implied, concerning the						
		Report. Furthermore, neither the Inspector nor his employer shall be liable in of any kind arising from or connected with this inspection.						
ny manine n	or any personal injury or property damage or a loss or	in any kind ansary from or connected with this inspection.						
1	Pruce W. Earnigh Comments	nmissions TN 2534						
	Inspector's Signature	National Board State Province, and Endorsements						
	5/31 20 06							
ate	5/31 20 06							

1.	Owner	Tennessee	Valley Authority (TVA)			Date	May 11,	2006			
		1101 Mark	Name (et Street		_						
		Chattanoo	ga, TN 37402-2801		_	Shee	t <u>1</u>	of	1		
2	Diont	Province Fo	Address	N		Unit	9				
2.	Plant	DIOWIIS PE	erry Nuclear Plant (BFN Name		_		3				
	 	P. O. Box	2000, Decatur, AL 35	609-2000	_		n Change El Orders (WC)s) 04-	716165-	002 and 04-716	165-003
3.	Work Pe	erformed by	Address TVA-BFN			Type	Code Symbo				etc
		•	Name 2000, Decatur, AL 350	609-2000	_	•	orization No.	N/A			
,			Address		_	Expira	ation Date	N/A			
4.	Identifica	ation of Syste	m System 073, High	Pressure Coolant I	njection (HF	•	•	ode Cla	ss 2 eq	uivalent)	
5. (a	a) Appli	icable Constr	uction Code USAS B	31.1.0 19	67 * Ed	lition,	N/A	Ad	denda,	N/A (Code Case
(1	b) Appli	icable Edition	of Section XI Utilized for	r Renairs or Renlace	ements 20	O1 Editio	n 2003 Adde	enda			
(, ,,			rrepairs or rieplace		O	71, 2000 Adde	- Tida			
(c) Appli	icable Sectior	n XI Code Case(s)								
6.	Identifica	ation of Comp	onents								
											ASME
					 National			1		Corrected,	Code Stamped
	Name		Name of	Manufacturer Serial No.	Board	la	Other lentification		Year	Removed, or	(Yes
	Compo	onent	Manufacturer	Senai No.	No.	, ,,	enuncation	- 1	Built	Installed	or No)
	CI/RCIC A	UX Steam	Hancock 2" - 5580	H819ABC	N/A	3-C	KV-073-0629	7	N/A	Removed	No
HPC	CI/RCIC A	UX Steam	Flowserve	98BAP	N/A	3-C	KV-073-0629	•	N/A	Installed	No
Drai	n Check \	/alve	2" - 1878 unknown	N/A	N/A	 	N/A		N/A	Removed	No
Pip	·9		•	\$ * * * *	.						
pipir	ng		Consolidated Power Supply	N/A	N/A		N/A	ļ	N/A	Installed	No
						ļ				-	
			· · · · · · · · · · · · · · · · · · ·			·					
7.	Docorinti	on of Work	Replaced valve per ED	C 61548 including	omo adiaoc	nt nining			*	d.	
٠.	Descripti	OIT OF WORK	Neplaced valve per Eb	O 01540 including :	some adjace	ant piping.			<u> </u>		
8.	Tests Co	onducted: F	lydrostatic P	neumatic	Nominal (Operating	Pressure 🗵	ā	Exempt		_
			Other Press			st Temp.	N/A	°F	F `		
			Amer 🔲 — Fress	sure <u>N/A</u> psi	ıe	actemp.	104	F			
	NOTE: 5	Supplemental	Sheets in form of lists, s	ketches, or drawing	s may be us	sed, provid	ed (1) size is	8½ in.	X 11 in.,	(2) information	in items 1

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7073 and BFN-50-C-7105.

		cluding some adjacent pip Applicable Manufacturer's Dai			
					
		CERTIFICATE OF C	OMPLIANCE		
cortify that the statement	a mada in the report are	secreet and that this conf	forms to the requirements	of the ASME Code, Section	VI
certify that the statement	s made in the report are	Correct and that this com	oms to the requirements	of the ASIME Code, Section	n Ai.
ype Code Symbol Stamp	N/A				
Certificate of Authorization	No NA		Expiration Date N	/Δ	
D 1	10. <u>10.</u>	$\overline{}$		/	
Signed Similar	MATIMA	, System Engineer	Date	5/15	_ , 20 <i>0(</i>
	Owner or Owner's Designe	e Title			
				·	
	CF	ERTIFICATE OF INSERV	ICE INSPECTION		
			Board of Boiler and Press	sure Vessel Inspectors and	
r Province of	Tennessee Connection	and employed by	have	HSB CT inspected the components	described
this Owner's Report duri		1/6/06	to \$/16/06	•	state that
the best of my knowledg	e and belief, the Owner	has performed examination	ons and taken corrective r	neasures described in this	Owner's
		ASME Code, Section XI.	e anywarranty overeco	d or implied, concerning the	
				spector nor his employer sh	
		nage or a loss of any kind			
\circ	•				,
// .			·	•	
		Commissions	TNYDU		
Land =	then	Commissions		d State Province and Endorseme	

1. Owner Tennessee	Valley Authority (TVA)			Date	May 11, 200	6	***				
1101 Mari	Name (et Street		_			- <u>-</u> -					
Chattanoo	ga, TN 37402-2801			Sheet	_1 of	1					
2. Plant Browns Fe	Address erry Nuclear Plant (BFN	Λ		Unit	3	- -					
z. Han Diowis i	Name	,	_			, (DCN) 631	156				
P. O. Box	2000, Decatur, AL 356	509-2000	_	Design Change Notice (DCN) 62156, Work Orders (WOs) 04-720059-000 and 04-720059-004 Repair/Replacement Organization P.O. No. Job No. etc							
3. Work Performed by				Type Code Symbol Stamp N/A							
P. O. Box	2000, Decatur, AL 356	509-2000		Authori	zation No. N	√A —					
	Address		_	Expirat	ion Date · N/	A					
4. Identification of Syste	m System 001,Main	Steam System (A	SME Code C	lass 1 equi	valent)						
•											
5. (a) Applicable Constr	uction Code USAS B	31.1.0 19	67 * Edit	ion,	N/A	Addenda,	N/AC	Code Case			
(b) Applicable Edition	of Section XI Utilized for	r Repairs or Replac	ements 20	01 Edition,	2003 Addenda	<u>. </u>					
(c) Applicable Section	n XI Code Case(s)					<u> </u>					
6. Identification of Comp	onents		 _					,			
								ASME Code			
	, , , , , , , , , , , , , , , , , , ,		National				Corrected,	Stamped			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.		Other ntification	Year Built	Removed, or Installed	(Yes or No)			
Steam Leads Drain Outer	Velan	922719	N/A	3-FC	V-001-0056	N/A	Removed	No			
Isolation Valve		·									
Steam Leads Drain Outer Isolation Valve	Flowserve 04-31775-01	AZ-365	N/A	3-FC	V-001-0056	N/A	Installed	No			
piping	unknown	N/A	N/A		N/A	N/A	Removed	No			
piping	Consolidated Power Supply	N/A	N/A		NA	N/A	Installed	No			
						,					
							· · · · · · · · · · · · · · · · · · ·				
								<u> </u>			
7. Description of Work	Replaced valve per DC	N 62156 including	some adjacer	nt piping							
7. Description of Work	Treplaced valve per Do	TV 02 100 including	Some adjacer	it pipilig.		· · · · · · · · · · · · · · · · · · ·					
8. Tests Conducted: }	Hydrostatic P	neumatic	Nominal O	perating P	ressure 🛛	Exempt					
	<u> </u>			_			_				
	Other Pressure <u>N/A</u> psi Test Temp. <u>N/A</u> °F										

^{*}as amended by additional quality assurance requirements found in Design Criteria BFN-50-7001 and BFN-50-C-7105.

9.	Remarks	Replaced valve per DCN 62156 including some adjacent piping.
		Applicable Manufacturer's Data Reports to be attached
	·	
-		
•		
		CERTIFICATE OF COMPLIANCE
ı	certify that t	the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
-	Tuna Cada S	symbol Stamp N/A
'	ype Code 3	ymbol Staffip TVA
c	Certificate of	Authorization No. N/A Expiration Date N/A
		8/10 11/1/1
S	Signed , ≤	Stroli Charles Designed Title Date 5/15 , 20 06
		CERTIFICATE OF INSERVICE INSPECTION
		ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
O	r Province o	Tennessee and employed by HSB CT of HART Fore Connecticut have inspected the components described
in	this Owner	's Report during the period 2/15/06 to 5/31/06 , 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 ordance with the requirements of the ASME Code, Section XI.
п	eport in acc Bv sigr	ordance with the requirements of the ASME Code, Section At. ling this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	xaminations	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
ar	ny manner f	or any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	a	suce M. Earnigh Commissions TN 2534
_	10	Inspector's Signature Commissions 7N 2534 National Board State Province and Endorsements
D	ف ate	<u>1/3/</u> 20 <u>0 &</u>

1.	Owner Tennessee	Valley Authority (TVA)			Date	May 11, 200	5				
	1101 Mark	Name ket Street		_							
	Chattanoo	ga, TN 37402-2801		_	Sheet	1 of	1				
,		Address									
2.	Plant Browns Fe	erry Nuclear Plant (BFN	1)		Unit	3					
	P. O. Box	, 2000, Decatur, AL 35	609-2000	-	Design Change Notice (DCN) 64390, Work Orders (WOs) 05-717803-000 and 05-717803-001						
3.	Work Performed by	Address TVA-BFN			Repair/Replacement Organization P.O. No. Job No. etc Type Code Symbol Stamp N/A						
	P. O. Box	Name 2000, Decatur, AL 35	609-2000		Authori	ization No. N	VA				
•		Address		_	Expirat	ion Date N/.	A				
4.	I. Identification of System System 001, Main Steam System (ASME Code Class 2 equivalent)										
	·		<u>-</u>					_ -			
5. (a	a) - Applicable Constr	ruction Code USAS B	31.1.0 19	67 • Edi	tion,	N/A	Addenda,	N/A (Code Case		
,,	L) - Australia Editio	at Castian VI Dilliand to	- Panaira de Banton			2002 444-4-					
(1	 b) Applicable Edition 	of Section XI Utilized fo	r Hepairs or Hepiace	ements 20	UT Edition,	2003 Addenda	_				
(0	c) Applicable Section	n XI Code Case(s)									
6.	5. Identification of Components										
				<u> </u>					ASME		
				.]	Code		
	Name of	Name of	Manufacturer	National Board		Other	Year	Corrected, Removed, or	Stamped (Yes		
	Component	Manufacturer	Serial No.	No.	lde	ntification	Built	Installed	or No)		
Mair	n Steam to Off Gas	FLOWSERVE	92AYM	N/A	3-CK	V-001-0742	N/A	Removed	No		
	heater check valve n Steam to Off Gas	FLOWSERVE	91AYM	N/A	2 CV	V-001-0744	21/0	Demound	No		
	heater check valve	FLOWSERVE	SIATIVI	194	3-CK	V-001-0744	N/A	Removed	No		
	n Steam to Off Gas heater isol valve	FLOWSERVE	E969A-1-1	N/A	3-SH	V-001-0741	N/A	Removed	No		
	n Steam to Off Gas neater isol valve	FLOWSERVE	E969A-1-2	N/A	3-SH	V-001-0743	N/A	Removed	No		
Mair	n Steam piping	unknown	N/A	N/A		N/A	N/A	Removed	No		
Mair	n Steam piping	Consolidated Power Supply	N/A	N/A	,, ,	N/A	N/A	Installed	No		
				·							
					····						
		1		<u></u>	•						
7.	Description of Work	DCN 64390 removed 2 Replacement items <1									
_					,		•				
8.	Tests Conducted:	Hydrostatic P	neumatic	Nominal C	perating P	ressure 🔯	Exempt	Ц			
	Other Pressure N/A psi Test Temp. N/A °F 5/31/04										

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-70xx and BFN-50-C-7105.

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. If yee Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Signed Signed Symbol Stamp 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 HSB CT HAMFORT Connecticut have inspected the components described in this Owner's Report during the period 1/2/6/3 5 to 5/21/6 4 and state that to the best of my knowledge and belieft, the Owner has performed examinations and taken corrective measures described in this Owner's Report during 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 xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	work Orders (WOs) 05-717803-000 and 05-717803-001 narksDCN 64390 removed 2" NPS piping and valves; replacement components <1" NPS.	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Hartfort Connecticut have inspected the components described in this Owner's Report during the period In the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's and corrective measures described in this Owner's Report during the period of the SME Code, Section XI. By signing this certificate neither the Inspector ror his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report during the period of the SME Code, Section XI.	Applicable Manufacturer's Data Reports to be attached acement items <1" NPS not required to be addressed in Repair/Replacement Plan.	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Hartfort Connecticut have inspected the components described in this Owner's Report during the period In the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's and corrective measures described in this Owner's Report during the period of the SME Code, Section XI. By signing this certificate neither the Inspector ror his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report during the period of the SME Code, Section XI.		_
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Hartfort Connecticut have inspected the components described in this Owner's Report during the period In the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's and corrective measures described in this Owner's Report during the period of the SME Code, Section XI. By signing this certificate neither the Inspector ror his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report during the period of the SME Code, Section XI.		
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Certificate of Authorization No. N/A Expiration Date N/A Signed Commercial Designation System Engineer Date 5/P , 20 (2) 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 have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/3//0 4 , 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 and personal injury or property damage or a loss of any kind arising from or connected with this inspection.	CERTIFICATE OF COMPLIANCE	
Certificate of Authorization No. N/A Expiration Date N/A Signed Commercial Designation System Engineer Date 5/P , 20 (2) 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 have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/3//0 4 , 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 and personal injury or property damage or a loss of any kind arising from or connected with this inspection.	if the the eleterante made in the report are correct and that this conforms to the requirements of the ASME Code. Section VI	
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 Harfor Connecticut have inspected the components described in this Owner's Report during the period 1/2/6/35 to 5/3//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 into manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	ty that the statements made in the report are correct and that this comothis to the requirements of the ASME Code, Section At.	
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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 HSBCT HANFORT Connecticut have inspected the components described in this Owner's Report during the period 12/6/35 to 5/3/06 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Code Symbol Stamp 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 HSBCT HANFORT Connecticut have inspected the components described in this Owner's Report during the period 12/6/35 to 5/3/06 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Section 1 Authorization No. AVA	
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 Hartfort Connecticut have inspected the components described in this Owner's Report during the period 12/6/35 to 5/31/06 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	icate of Authorization No. IVA Expiration Date IVA	
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 Hart For T Connecticut have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/31/0 6 , 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	nd Siedes (William), System Engineer Date 5/18 , 20	0/6
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 Hart For T Connecticut have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/31/0 6 , 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Owner or Owner's Designed, Title	
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 Hart For T Connecticut have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/31/0 6 , 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
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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 Hart For T Connecticut have inspected the components described in this Owner's Report during the period 12/6/3 5 to 5/31/0 6 , 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	CERTIFICATE OF INSERVICE INSPECTION	
Tennessee and employed by HSB CT HAMFORT Connecticut have inspected the components described in this Owner's Report during the period (12/6/35) to (5/31/04), 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta	ate
n this Owner's Report during the period 1/2/6/3 to 5/3/06 , 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 any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	ovince of Tennessee and employed by HSB CT	of
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any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		abla in
	nations and corrective measures described in this owner's report. Turthermore, hertier the inspector nor his employer shall be like inspection and personal injury or property damage or a loss of any kind arising from or connected with this inspection.	abio iii
\mathcal{A} and \mathcal{C} if		
1) run 1/1. Carriers Commissions 7/2334	Shure Mr. Earnighs Commissions TN2534 Inspector's Signature National Board State Province and Endorsements	
Inspector's Signature O National Board State Province and Endorsements	Inspector's Signature 🗸 National Board State Province and Endorsements	
Date 5/3/ 20 06		

1.	Owner Tennesse	e Valley Authority (TVA))		Date	May 16, 2	2006					
	1101 Mar	Name ket Street	· · · · · · · · · · · · · · · · ·									
	Chattanoo	oga, TN 37402-2801			Sheet	1	of	1	•			
		Address					•					
2.	Plant Browns F	erry Nuclear Plant (BFN	1)	_	Unit	3						
	P. O. Box	2000, Decatur, AL 35	609-2000		Work Order (WO) 02-006178-000							
•		Address		_	Rebail/Replacement Organization P.O. No., Job No., etc.							
3.	Work Performed by				Type Code Symbol Stamp N/A							
	P. O. Box	2000, Decatur, AL 35	609-2000	Authorization No. N/A								
		Address		 .	Expirati	on Date	N/A					
	Id-affication of Conta	Sustan DOD Char	albantina Constanti	D	ME 0-4- 0	- 0!	1					
4.	Identification of Syste	em System 063, Star	ndby Liquid Control S	System (AS	ME Code C	iass 2 equiv	/aient,	<u> </u>				
5. (a	a) Applicable Const	ruction Code USAS B	31.1.0 19	67 * Edi	tion,	N/A	A	ddenda,	N/A C	ode Case		
•												
(t	b) Applicable Edition	n of Section XI Utilized fo	r Repairs or Replac	ements 20	01 Edition,	2003 Adder	nda					
(0	c) Applicable Section	n XI Code Case(s)										
6.	Identification of Comp	ponents										
		T	 							т		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other htification		Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)		
Tes	t Tank Shutoff Valve	Velan B09-054B- 13MK	N/A	N/A	3-SH\	/-063-0014		N/A	Removed	No ·		
Tes	t Tank Shutoff Valve	Velan B09-054B- 13MK	N/A	N/A	3-SH\	/-063-0014		N/A	Installed	No		
							\dashv					
		<u> </u>	<u> </u>		_							
7.	Description of Work	Replaced valve.			_					·		
			· · · · · · · · · · · · · · · · · · ·	<u> </u>		·						
8.	Tests Conducted:	Hydrostatic P	neumatic	Nominal C	perating Pr	essure 🏻		Exempt				
	(Other Press	sure N/A ps	i Tes	st Temp.	N/A °	'F					
				•	_	•		*				
					•							

^{*}as amended by additional quality assurance requirements found in Pkg 00292726-BFNX0 and Design Criteria BFN-50-7063 and BFN-50-C-7105.

Remarks Replace	ed valve.			
		Applicable Manufacturer's Data	Reports to be attached	
·				

	<u> </u>	····		
	4.7			
· · · · · · · · · · · · · · · · · · ·		CERTIFICATE OF CO	MPLIANCE	
I certify that the statem	ents made in the report are	correct and that this confo	ms to the requirements of the	he ASME Code, Section XI.
Type Code Symbol Sta	amp N/A			
Type Code Symbol Sta	Imp IVA		· · · · · · · · · · · · · · · · · · ·	
Certificate of Authoriza	ation No. N/A	^	Expiration Date N/A	·
01	1	, //		1
Signed Star	w (, () If ll	System Engineer	Date	<u>5/16</u> ,20 <u>04</u>
	Owner or Owner's Designe	e ine		
	C	ERTIFICATE OF INSERVI	E INSPECTION	
I, the undersigne				Vessel Inspectors and the State
or Province of	Tennessee	and employed by	HS	B CT of
in this Owner's Boner	Connection the period		have ins	pected the components described , and state that
in this Owner's Report to the best of my knowl	edge and helief, the Owner	3 8 0 6 has performed examination	s and taken corrective mea	sures described in this Owner's
	vith the requirements of the		o and taken corrective mea	ourse decombed in this of this is
By signing this c	ertificate neither the Inspec	tor nor his employer makes	any warranty, expressed or	implied, concerning the
examinations and corre	ctive measures described i	n this Owner's Report. Fur	hermore, neither the Inspec	ctor nor his employer shall be liable in
any manner for any per	sonal injury or property dan	nage or a loss of any kind a	ising from or connected wit	h this inspection.
\circ				
	100		مه موه ومس	
Sand	Thorn	Commissions		
Inso	ector's Signature	•	National Board, Sta	ate. Province and Endorsements
Date .	5/18 20 06		•	
	-11 - 20 00			

1.	Owner T	ennessee	Valley Authority (TVA)			Date	May 16, 2006					
	1	1101 Mark	et Street Name									
	(Chattanoo	ga, TN 37402-2801			Sheet	of					
2.	Plant E	Browns Fe	rry Nuclear Plant (BFN	n		Unit	3					
			Name		-							
•	-	2. O. Box 2	2000, Decatur, AL 350 Address	509-2000			Repair/Replacemen		n P O. No , Job No . (etc		
3.	Work Perfor	rmed by			_	Type Code Symbol Stamp N/A						
	P. O. Box 2000, Decatur, AL 35609-2000					Authori	zation No. N	Α				
•	Address					Expirati	on Date N/A			···		
4.	Identification	n of Syster	n System 069, Read	ctor Water Cleanup	(RWCU) Sv	stem (ASN	ME Code Class 1	equivaler	nt)			
(E	(valve) ASME Section III Class 1, 1986 Edition, less N-stamp 5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67 * Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 20 01 Edition, 2003 Addenda (c) Applicable Section XI Code Case(s) 6. Identification of Components											
	1				· · ·	-						
	Name of Componer		Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other ntification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)		
	CU System R	Return	Anchor Darling 4"-900# Lift Check	EZ862-1-2	N/A	3-CK\	/-069-0629	1997	#	No		
				‡ - ren	laced valve di	sc				<u> </u>		
valve	disc		Anchor Darling	5	N/A		N/A	2002	Removed	No		
valve	disc		Anchor Darling	22309-1	N/A		N/A	2004	Installed	No		
						·		i		-		
7.	Description of	of Work	Replaced valve disc				•					
8.	Tests Condu		lydrostatic Pother Press	neumatic ure <u>N/A</u> ps		perating Pr	essure 🛭	Exempt				
	NOTE: Supr	nlomental	Sheets in form of lists s	katahan ar drawina	o may bo i a	ad provided	(1) sizo io 916 i	. V 44 in	(2) information i	n itoma 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.

^{*}as amended by additional quality assurance requirements found in Contract P97N2R-204635 and Design Criteria BFN-50-7069 and BFN-50-C-7105.

WID: Work	Order (WO) 04-720552-000			
9. Remarks	Replaced valve disc			
		Applicable Manufacturer's Data Re	ports to be attached	
				
				
				
				<u> </u>
			•	
		05071510475.05.0011	DIANOF	
		CERTIFICATE OF COM	PLIANCE	
I certify that	the statements made in the report are o	correct and that this conform	s to the requirements of the ASN	ME Code, Section XI.
,	·		,	
Type Code S	Symbol Stamp N/A			
Certificate of	f Authorization No. N/A		Expiration Date N/A	
Cermicale	Authorization No.	7	Expiration Date	
Signed	Sleeder () / / / / / / /	, System Engineer	Date	5/16 ,2006
	Owner or Owner's Designee.	Title		
				
l the i	CEF undersigned, holding a valid commission	RTIFICATE OF INSERVICE		al Increators and the State
or Province			HSB CT	of
	HART Ford Connecticu	ıt	have inspected	the components described
	er's Report during the period f my knowledge and belief, the Owner h		sond taken corrective measures of	
Report in acc	cordance with the requirements of the A	SME Code, Section XI.		
By sign	ning this certificate neither the Inspecto and corrective measures described in	r nor his employer makes ar	ny warranty, expressed or implied	d, concerning the
	s and corrective measures described in for any personal injury or property dama			
·				
,		·		
	Inspector's Signature	Commissions		
			National Board, State Prov	ince, and Endorsements
Date	5/31 20 06			

_												
1.	Owner Tenn	nessee	Valley Authority (TVA))		Date	May 17, 2006					
	110	1 Mark	Name et Street									
	Cha	ttanood	ga, TN 37402-2801		_	Sheet	1 of	1				
			Address		_							
2.	Plant Brow	vns Fe	rry Nuclear Plant (BFN	√)		Unit	3					
	P. 0). Box 2	2000, Decatur, AL 35	609-2000		Work Order (WO) 05-714949-000						
			Address		_	Repair/Replacement Organization P.O. No. Job No. etc.						
3.	Work Performe	d by	TVA-BFN			Type C	ode Symbol Sta	mp N	/A			
	P. 0	Box 2	Name 2000, Decatur, AL 35	609-2000		` Authori	zation No N	′ A				
			Address			Expirati	on Date N/A	\				
4.	4. Identification of System System 071, Reactor Core Isolation Cooling (RCIC) System (ASME Code Class 2 equivalent)											
		-,				-, -,						
5. (a) Applicable (Constri	uction Code USAS B	31,1.0 19	67 * Ed	ition,	N/A	Addenda.	N/A C	ode Case		
5. (a) Applicable (J0115111		15				Auderida,		ode Case		
(b) Applicable E	Edition	of Section XI Utilized fo	r Repairs or Replac	ements 19	95 Edition,	1996 Addenda	_				
6.	Identification of	Compo	onents									
				1	T	1		1				
										ASME		
			,		National				Corrected,	Code Stamped		
	Name of Component	ĺ	Name of Manufacturer	Manufacturer Serial No.	Board No.	1	Other ntification	Year Built	Removed, or Installed	(Yes or No)		
	Component		Manuactater	Senai No.	140.	ide	inication	Duin	installed	01110)		
	Steam Supply C	heck	Powell 9061WE	N/A	N/A	3-CK\	V-071-0564	N/A	Corrected	No		
Valv	/e 		906144 E	<u> </u>			· · · · · · · · · · · · · · · · · · ·		 			
					<u> </u>							
								-	·			
	.							-				
	· · · · · · · · · · · · · · · · · · ·				<u> </u>			<u> </u>				
		•.										
7.	Description of V	Vork -	Machined sealing surf	aces on the valve be	ody and bonn	et.						
	, .	· •		 				-				
8.	Tests Conducte	d: H	lydrostatic	neumatic	Nominal (Operating Pr	ressure 🏻	Exempt				
		o	ther Press	sure <u>N/A</u> ps	i Te	st Temp.	N/A°F					
				. •-		,	. —					
							144)					
	MOTE: Suppler	nental .	Sheets in form of lists, s	sketches, or drawing	is may be us	ed, provided	1 (1) size is 8½ i	n X 11 in	(2) information in	n items 1		

*as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7071 and BFN-50-C-7105.

through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

	ealing surfaces on the valve be	cable Manufacturers Data	Reports to be attached	
			Theodis to be attached	
				
				
	CE	RTIFICATE OF CO	MPLIANCE	
	-			
certify that the statements	s made in the report are correc	t and this conforms	to the rules of the ASME Cod	e, Section XI.
Type Code Symbol Stamp	N/A			
Dertificate of Authorization	No N/A		Expiration Date N/A	
Definicate of Authorization	NO. IVA		Expiration Date _TVA	
Signed, Signed	CMMUND :	System Engineer	Date	5/17 .20 06
	Owner or Owner's Designee Title			· <u>~</u>
		•		
	CERTIFI	CATE OF INSERV	CE INSPECTION	
				/essel Inspectors and the State
or Province of	Tennessee and	a employed by	HSB have inspe	CT of of other components described
n this Owner's Report duri	ng the period 5/2	4/03	to 5/30/06	, and state that
			ns and taken corrective measu	res described in this Owner's
	the requirements of the ASME icate neither the Inspector nor		any warranty, expressed or in	nplied, concerning the
By signing this certifi	e measures described in this C	Dwner's Report. Fu	rthermore, neither the inspecto	or nor his employer shall be liable in
xaminations and corrective	al injury or property damage or	a loss of any kind a	rising from or connected with	this inspection.
			i e	
xaminations and corrective		4		
xaminations and corrective	25.1		T.1. 2 C2 U	
xaminations and corrective	2. Earnigh s Signature	Commissions	TN2534 National Board State	Province and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee	Valley Authority (TVA)			Date	May 17, 20	006		
1101 Mark	Name ket Street		_					
Chattanoo	ga, TN 37402-2801		_	Sheet	1	of 1		
2 Plant Reguna Fo	Address	<u> </u>	_	Llait	2			
2. Plant Browns Fe	erry Nuclear Plant (BFN Name	<u> </u>	_	Unit	3	(00)		
P. O. Box	2000, Decatur, AL 35	609-2000	_		Order (WO)	04-715368-0	9906A & 61144, 00	
3. Work Performed by	Address TVA-BFN			Type C	ode Symbol		ion P.O. No . Job No . VA	eic.
•	Name 2000, Decatur, AL 350	509-2000	_	Authori	zation No.	N/A		
	Address		_	Expirat	ion Date	N/A		·
4. Identification of System	m System 001, Mair	Steam System (A	SME Code (_			
								 ;
5. (a) Applicable Constr	uction Code USAS B	31.1.0 19	67 * Edi	tion,	N/A	Addenda,	N/A C	Code Case
(b) Applicable Edition	of Section XI Utilized for	r Repairs or Replace	ements 20	01 Edition,	2003 Adden	da		
	y Y Code Case(s)		_					
(c) Applicable Section	I AI Code Case(s)							
6. Identification of Comp	onents						,	
						l		ASME
•			National		•	'	Corrected,	Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.		Other ntification	Year Built	Removed, or Installed	(Yes or No)
								,
Main Steam Line A Inbd Isol VIv (MSIV)	Atwood & Morrill 20851-H-26	N/A	N/A	3-FC	V-001-0014	N/A	#	No
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	+ - Replaced poppe	et valve disc	and cover p	late			. '
poppet valve disc	Atwood & Morrill	Unknown	N/A	3-FC	V-001-0014	N/A	Removed	No
poppet valve disc	Atwood & Morrill	1	N/A	3-FC	V-001-0014	N/A	Installed	No
cover plate	Atwood & Morrill	Unknown	N/A	3-FC	V-001-0014	N/A	Removed	No
	Abused & Massill		27/0	2 501	V-001-0014	1/0	Installed	No.
cover plate	Atwood & Morrill	1	N/A	3-FC	V-001-0014	N/A	Installed	No
				* .		Ī		
<u> </u>	L						<u> </u>	اـــــا
7. Description of Work	Replaced poppet valve	disc and cover plat	e with modifie	ed compone	ents .			
8. Tests Conducted: H	lydrostatic P	neumatic .	Nominal C	perating P	ressure 🛛	Exempt		
c	Other Press	ure N/A ps	i Tes	st Temp.	N/A °	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.

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91750, GE Purchase Spec 21A1062 Rev. 0 and 21A1062AL Rev. 6 and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

VID: Work O	rder (WO) 04-715368-000		 	
. Remarks	Replaced poppet valve disc and cover			44
		Applicable Manufacturer's Data F	evons to be attached	
		CERTIFICATE OF COM	IPLIANCE	
				_
I certify that th	e statements made in the report are c	orrect and that this conforr	ns to the requirements of the ASM	E Code, Section XI.
Type Code Sy	mbol Stamp N/A			
Certificate of A	Authorization No. N/A	A	Expiration Date N/A	
Signed 5	Feel Colo little	, System Engineer	Date	5-174 2006
Oigned	Owner or Owner's Designee		Date	0/2/ ,2000
	·			
l the un	CEF dersigned, holding a valid commission	RTIFICATE OF INSERVIC		Incorporate and the Ciate
or Province of	Tennessee	and employed by	HSB CT	of
 	HArT Ford Connecticu	ıt	have inspected t	he components described
in this Owner's to the best of n	Report during the period ny knowledge and belief, the Owner h	3//3/06 las performed examinations	and taken corrective measures de	, and state that escribed in this Owner's
Report in acco	rdance with the requirements of the A	SME Code, Section XI.		
By signii	ng this certificate neither the Inspector and corrective measures described in t	r nor his employer makes a	iny warranty, expressed or implied, permore, neither the Inspector nor l	, concerning the his employer shall be liable in
	r any personal injury or property dama			
. /	2 mc		C. 0 C 211	
0 -	Inspector's Signature	Commissions _	アルジンタ National Board, State Provin	nce and Endorsements
	//			
Date	6/1 20 06	•		

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner Tennesse	e Valley Authority (TVA)	· · · · · · · · · · · · · · · · · · ·		Date	May 18, 2006	-		
	1101 Mai	ket Street		_					
	Chattano	oga, TN 37402-2801			Sheet	of	3		
•		Address	•						
2.	Plant Browns F	erry Nuclear Plant (BFN	l)	_	Unit	3			
	P O P.	2000 Decatur AL 35	600-2000			order (WO) 05- Change Notice			
•	P. O. Box	Address	009-2000	_	_Design			on P.O. No . Job No .	etc
3.	Work Performed by			_	Type C	ode Symbol Sta	mp N	/A	
	P. O. Box		609-2000		Authori	zation No. N	/A		
	·	Address			Expirat	on Date NA	4	·	
4.	Identification of Syste	em System 085 Con	trol Rod Drive (CRD)) System (A	ASME Code	Class 1 equiva	lent)		
	Toommoulon or Dyon			., -, -, -, -, -, -, -, -, -, -, -, -, -,			,		-
5. (á	a) Applicable Const	ruction Code ASME S	Section III 19	74 Edition	. Winte	r 1975 Adder	nda. N	N207 1361-2 (Code Case
(· · · · · · · · · · · · · · · · · · ·	 -	 .					
(t	b) Applicable Edition	n of Section XI Utilized fo	r Repairs or Replac	ements 20 _	01 Edition,	2003 Addenda			
(0	c) Applicable Section	on XI Code Case(s)							
6.	Identification of Com	nonente							
<u> </u>	identification of Con	ponents							
				,					ASME
				National				Corrected.	Code Stamped
	Name of	Name of	Manufacturer	Board		Other	Year	Removed, or	(Yes
	Component	Manufacturer	Serial No.	No.	Ide	ntification	Built	Installed	or No)
	trol Rod Drive	General Electric	A4325	N/A	3-CRD	M-085-10-35	1996	Removed	Yes
	hanism 10-35 trol Rod Drive	Nuclear Energy General Electric	A4091	N/A	3-CRD	M-085-10-35	1996	Installed	Yes
Mec	hanism 10-35	Nuclear Energy .							
	trol Rod Drive hanism 18-23	General Electric Nuclear Energy	A5418	N/A	3-CHD	M-085-18-23	1996	Removed	Yes
	trol Rod Drive hanism 18-23	General Electric Nuclear Energy	A4426	N/A	3-CRD	M-085-18-23	1996	Installed	Yes
Conf	trol Rod Drive	General Electric	A4833	N/A	3-CRD	M-085-18-39	1996	. Removed	Yes
	hanism 18-39 trol Rod Drive	Nuclear Energy General Electric	A4141	N/A	3-CRD	M-085-18-39	1996	Installed	Yes
	hanism 18-39	Nuclear Energy	•				<u> </u>		
			entification of Comp	onents conti	nuea on Sn	eet 2			
7	Description of Work	Panisand 24 Cantral F	Pad Drives (CROMs	\ with roturbi	shed BWD	E CROMo			
7.	Description of Work	Replaced 24 Control F Replaced a total of three							
•	.		_						
8.	Tests Conducted:	Hydrostatic P	neumatic	Nominal C	perating P	ressure 🔯	Exempt		
		Other Press	sure <u>N/A</u> ps	i Tes	st Temp.	N/A °F		,	

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

FORM NIS-2 (Back)

10:	
	hed BWR/6 CRDMs. The vendor (GE) performed the refurbishment wo
Applicable Manufacturer The N-2 data reports are attached. Functional testing was performed to	r's Data Reports to be attached under 3-SR-3.1.3.5(A) & (B), 3-SR-3.1.4.1 and 0-TI-20.
Pressure testing was performed as part of 3-SI-3.3.1.A.	
	January 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
All CRDMs were previously in service at BFN, previous locations are do	
Replaced a total of three CRDM flange bolts, one bolt on each of the fo	slowing three drives. The boiling was replaced due to rounded heads.
3-CRDM-085-30-55	
3-CRDM-085-42-39	
3-CRDM-085-46-47	
	
	
CERTIFICATE O	OF COMPLIANCE
certify that the statements made in the report are correct and that this	conforms to the requirements of the ASME Code. Section XI
· ·	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration Data N/A
Certificate of Authorization No. 144	Expiration Date N/A
Signed Style () () () System Engine	eer Date
Owner or Owner's Designee Title	/
	•
CERTIFICATE OF INSI	ERVICE INSPECTION
	onal Board of Boiler and Pressure Vessel Inspectors and the State
r Province of Tennessee and employed by	
HARTFOR D Connecticut This Owner's Report during the period 2/24/56	have inspected the components described to 6/1/64 and state that
the best of my knowledge and belief, the Owner has performed examination	
Report in accordance with the requirements of the ASME Code, Section	
By signing this certificate neither the Inspector nor his employer managinations and corrective measures described in this Owner's Report	
examinations and corrective measures described in this Owner's Report They manner for any personal injury or property damage or a loss of any k	
0 000 0 1	
Druce W1. carried Commissio	ons TN 2534
Inspector's Signature U	National Board State Province and Endorsements
Date 6/1 20 06	
JOIC 6// 1 ZU V */	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

•	Owner Tennessee Valley Authority (TVA) Name 1 101 Market Street	DateMay 18, 2006
	Chattanooga TN 37402-2801 Address	Sheet 2 of 3
2.	Plant Browns Ferry Nuclear Plant (BFN) Name	Unit <u>3</u> Work Order (WO) 05-718042-000
3.	P. O. Box 2000. Decatur. AL 35609-2000 Address Work Performed by TVA-BFN	Design Change Notice (DCN) S18833A Repair/Replacement Organization P.O. No., Job No., etc. Type Code Symbol Stamp
	P. O. Box 2000 Decatur. A 35609-2000 Address	Authorization No. N/A
4.	Identification of System System 085, Control Rod Drive System	Expiration Date <u>NA</u> (ASME Code Class 1 equivalent)
-	a) Applicable Construction Code ASME Section III 19 74 b) Applicable Edition of Section XI Utilized for Repairs or Replacement c) Applicable Section XI Code Case(s)	

[.] Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes or No
Control Rod Drive Mechanism 30-11	General Electric Nuclear Energy	A5604	N/A	3-CRDM-085-30-11	1996	Removed	Yes
Control Rod Drive Mechanism 30-11	General Electric Nuclear Energy	A3644	N/A	3-CRDM-085-30-11	1996	Installed	Yes
Control Rod Drive Mechanism 30-51	General Electric Nuclear Energy	A5433	N/A	3-CRDM-085-30-51	1996	Removed	Yes
Control Rod Drive Mechanism 30-51	General Electric Nuclear Energy	A4307	N/A	3-CRDM-085-30-51	1996	Installed	Yes
Control Rod Drive *1echanism 30-55	General Electric Nuclear Energy	A2151	N/A	3-CRDM-085-30-55	1996	Removed	Yes
Introl Rod Drive	General Electric Nuclear Energy	A4812	N/A	3-CRDM-085-30-55	1996	Installed	Yes
Control Rod Drive Mechanism 34-51	General Electric Nuclear Energy	A4002	N/A	3-CRDM-085-34-51	1996	Removed	Yes
Control Rod Drive Mechanism 34-51	General Electric Nuclear Energy	A5646	N/A	3-CRDM-085-34-51	1996	Installed	Yes
Control Rod Drive Mechanism 42-39	General Electric Nuclear Energy	A3759	N/A	3-CRDM-085-42-39	1996	Removed	Yes
Control Rod Drive Mechanism 42-39	General Electric Nuclear Energy	A4814	N/A	3-CRDM-085-42-39	1996	Installed	Yes
Control Rod Drive Mechanism 46-15	General Electric Nuclear Energy	A5406	N/A	3-CRDM-085-46-15	1996	Removed	Yes
Control Rod Drive Mechanism 46-15	General Electric Nuclear Energy	A5111	N/A	3-CRDM-085-46-15	1996	Installed	Yes
Control Rod Drive Mechanism 46-47	General Electric Nuclear Energy	A4756	NA	3-CRDM-085-46-47	1996	Removed	Yes
Control Rod Drive Mechanism 46-47	General Electric Nuclear Energy	A5712	N/A	3-CRDM-085-46-47	1996	Installed	Yes
Control Rod Drive Mechanism 50-27	General Electric Nuclear Energy	A5437	N/A	3-CRDM-085-50-27	1996	Removed	Yes
Control Rod Drive Mechanism 50-27	General Electric Nuclear Energy	A4846	N/A	3-CRDM-085-50-27	1996	Installed	Yes
Control Rod Drive Mechanism 02-19	General Electric Nuclear Energy	A4155	N/A	3-CRDM-085-02-19	1996	Removed	Yes
Control Rod Drive Mechanism 02-19	General Electric Nuclear Energy	A5234	N/A	3-CRDM-085-02-19	1996	Installed	Yes
Control Rod Drive Mechanism 02-23	General Electric Nuclear Energy	A5573	N/A	3-CRDM-085-02-23	1996	Removed	Yes
Control Rod Drive Mechanism 02-23	General Electric Nuclear Energy	A4688	N/A	3-CRDM-085-02-23	1996	Installed	Yes
`ontrol Rod Drive echanism 06-39	General Electric Nuclear Energy	A5461	N/A	3-CRDM-085-06-39	1996	Removed	Yes
Control Rod Drive Mechanism 06-39	General Electric Nuclear Energy	A4702	N/A	3-CRDM-085-06-39	1996	Installed	Yes

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

NID:	Work	Order (WO) 05-718042-000		 	
F		See remarks on sheet 1.	·	 · · · · · · · · · · · · · · · · · · ·	
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

	Owner Tennessee Valley Authority (TVA) Name 1101 Market Street	Date <u>May 18, 2006</u>
2.	Chattanooga TN 37402-2801 Address Plant Browns Ferry Nuclear Plant (BFN)	Sheet <u>3</u> of <u>3</u> Unit <u>3</u>
_	Name P. O. Box 2000. Decatur. AL 35609-2000	Work Order (WO) 05-718042-000 Design Change Notice (DCN) S18883A
3 .	Work Performed by TVA-BFN Name P. O. Box 2000 Decatur, AL 35609-2000	Repair/Replacement Organization P.O. No. Job No., etc Type Code Symbol Stamp
4.	Address Identification of System System 085, Control Rod Drive System	Expiration Date <u>N/A</u>
5. (a (b (c	Applicable Edition of Section XI Utilized for Repairs or Replacement	

6. Identification of Components

			National			Corrected.	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Removed, or Installed	(Yes or No)
Control Rod Drive	General Electric	A4227	N/A	3-CRDM-085-06-47	1996	Removed	Yes
Mechanism 06-47	Nuclear Energy		'''	5 5 1.5 M. 555 55 W.	'''	, 101110100	''
Control Rod Drive	General Electric	A3837	N/A	3-CRDM-085-06-47	1996	Installed	Yes
Mechanism 06-47	Nuclear Energy		'''				
Control Rod Drive	General Electric	A3872	N/A	3-CRDM-085-10-51	1996	Removed	Yes
Mechanism 10-51	Nuclear Energy				1.24		
Control Rod Drive	General Electric	A5660	N/A	3-CRDM-085-10-51	1996	Installed	Yes
Mechanism 10-51	Nuclear Energy		1			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Control Rod Drive	General Electric	A5231	N/A	3-CRDM-085-14-27	1996	Removed	Yes
echanism 14-27	Nuclear Energy				1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
ntrol Rod Drive	General Electric	A4737	N/A	3-CRDM-085-14-27	1996	Installed	Yes
.echanism 14-27	Nuclear Energy		1 1				
Control Rod Drive	General Electric	A5678	N/A	3-CRDM-085-26-11	1996	Removed	Yes
Mechanism 26-11	Nuclear Energy		1 1				
Control Rod Drive	General Electric	A5553	N/A	3-CRDM-085-26-11	1996	Installed	Yes
Mechanism 26-11	Nuclear Energy]				
Control Rod Drive	General Electric	A4445	NA	3-CRDM-085-26-47	1996	Removed	Yes
Mechanism 26-47	Nuclear Energy		1				
Control Rod Drive	General Electric	A5624	NA	3-CRDM-085-26-47	1996	Installed	Yes
Mechanism 26-47	Nuclear Energy		1 [1 1		ĺ
Control Rod Drive	General Electric	A5688	N/A	3-CRDM-085-34-03	1996	Removed	Yes
Mechanism 34-03	Nuclear Energy	_	<u> </u>		11		
Control Rod Drive	General Electric	A5394	N/A	3-CRDM-085-34-03	1996	Installed	Yes
Mechanism 34-03	Nuclear Energy				1		
Control Rod Drive	General Electric	A2134	N/A	3-CRDM-085-46-07	1996	Removed	Yes
Mechanism 46-07	Nuclear Energy				11		
Control Rod Drive	General Electric	A4638	N/A	3-CRDM-085-46-07	1996	Installed	Yes
Mechanism 46-07	Nuclear Energy						
Control Rod Drive	General Electric	A5709	N/A	3-CRDM-085-50-35	1996	Removed	Yes
Mechanism 50-35	Nuclear Energy	- <u> </u>			1		
Control Rod Drive	General Electric	A3841	N/A	3-CRDM-085-50-35	1996	Installed	Yes
Mechanism 50-35	Nuclear Energy				 		
Control Rod Drive	General Electric	A3611	N/A	3-CRDM-085-58-27	1996	Removed	Yes
Mechanism 58-27	Nuclear Energy			··			
Control Rod Drive	General Electric	A5629	N/A	3-CRDM-085-58-27	1996	Installed	Yes
Mechanism 58-27	Nuclear Energy						
Control Rod Drive	General Electric	A5576	N/A	3-CRDM-085-58-35	1996	Removed	Yes
Mechanism 58-35	Nuclear Energy	·			<u> </u>		
Control Rod Drive	General Electric	A4842	N/A	3-CRDM-085-58-35	1996	Installed	Yes
Mechanism 58-35	Nuclear Energy	<u></u>	i.		<u> </u>		
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FORM NIS-2, SUPPLEMENTAL SHEET (Back)

VID: Work	Order (WO) 05-718042-000					
	See remarks on sheet 1.					
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CORRECTED COPY

PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1 Manufactured & Contified by CD Company 2117 Continue Dd 1811 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1. Mariufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A4091 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psiuin.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III (The applicable Designed Specification and Stress Report are not the responsibility of the NP Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
DATE: 5/4,19 88 Signed GE-NEBG-NF6CM-QA By (Mr. denmie)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADARUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345
CERCULICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of MORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 1952, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
5/5 ,1988 EA Maril N.C. 723, PAWC1766, OHIO
DATE / Inspector's Signature National Board, State, Province and No.

'Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

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TVA) 20 /

As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
Name and Address of N Certificate Bolder for completed nuclear componen
2. Identification-Certificate Holders's S/N of Part: A4091 Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144PG002
N207 (C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Bydrostatically tested at 1825 psi min.
(Brief description of service for which component was designed) CORRECTED COFY: Changed Items 2(a) and 2(b), Modified from 7685534G1 to G6 Drive.
Sheet 2 of 2

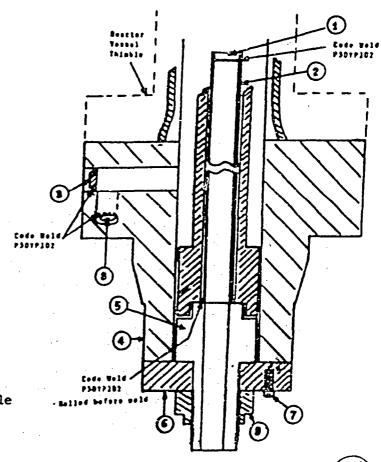
- 1. Cap 16689274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176P1 SA182-P304 1/4 thick x 0.812 CD
- 4. Plange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 00
- 5. Base 137C5311P1 X04-19 SA479 7/8 thick x 2.875 Dia.

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- 6. Ring Plange 137C8151P2 SA182-P304 1° thick x 5.0 CO x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A796lPlSA182-P3040.38 thick x 1.307 dia.
- 9. Nut 137C5934P1

 ' 2M-19 SA479

 1.30 thick x 2.62 dia. 1 0 C Z ? Z ! £ 1 C ?



TVA 20 5000 JUR1

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES AND AS required by the Provision of the ASHE Code Rules, Section III, Div. I

1.) Sufactured & Cartified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENE & CM
2117 Castle Havne Road, Wilminoton, North Carolina, 28401 (Name and Address #2 MT Cartificate Holder) b) Manufactured for : TVA Chaitanooga, Tarmessee 37402-2127
[dentification - Certificate Holder's S/N of Part : A4426 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 788E534G008 Ray 9 Dag. Prepared by D. L. Peterson
(b) Description of Part Inspected: Control Rod Drive , Model # 7RDB144FG005
(c) Applicable ASNE Code: Section III . Edition 1974 . Addenda Date W75 . Case No. N207 1361-2 Class 1
3. REWARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psl. min. (Brief description of service for which component was designed)
Sheet 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the MPT Certificate Holder for parts. An MPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
Date: 10/08/92 Signed GE · NEBG · NF & CM · OA By Sc OA Representive)
Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151
Certification of Design for Appurtenance
Design information on file atGE Company . San Jose . California
Stress analysis report on file at

Certification of Shop Inspection

Stress analysis report certified by <u>Foward Yoshlo</u> Prof. Eng. State <u>Calil</u> Reg. No. <u>M018848</u>

DCZZA6Z54 Rev 1

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 2/22, /972, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

10/6 1992 Jerome P Eure NC 1231, Ohio, WC 3686 PA

V Inspector's Signature National Board, State, Province And No.

(/ + 3 25/05

^{*}Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

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FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

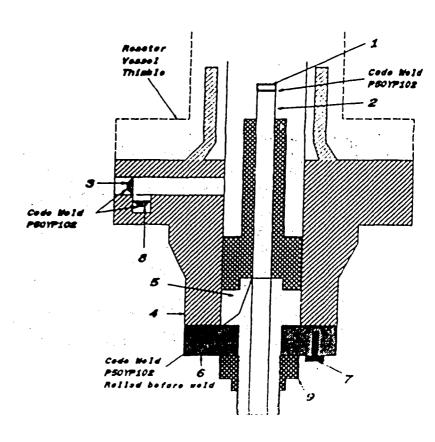
1.	**Hanufactured & Cartified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & C	W)
	2117 Castle Hayne Road, Wilmington, North Carolina 28401	
	(Rome and Address of SPT Cartificate Solder)	•

- (b) Manufactured for : TVA Chattarococa Terrossee 37402-2127

 (Same and Address of B Cartificate Bolder for completed musicar component)
- 2. Identification Certificate Holder's S/N of Part : A4428 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 788E534G008 Rev 9 Dag. Prepared by D. L. Peterson
 - (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
 - (c) Applicable ASME Code: Section III . Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
- 3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psl. min.
 (Szief description of service for which component was designed)

Sheet 2 of 2

- 1. Cap 16689274P001 \$A182 - F304 3/8" thick x 1 1/18" (O
- 2. Indicator Tube 16889313P001 SA312 - TP318 3/4" sch 40 - seamless pipe 0.113" well thickness 1.065" max. dia.
- 3. Plug 159A1176P001 SA182 - F304 1/4" thick x 0.812" OO
- 4. Flance 9190610P001 (719E474) SA182 - F304 3.37' thick x 9 5/8' 00
- 5. Base 137C5311P001 SA182 - F304 7/8" thick x 2.875" cla.
- 8. Ring Flange 11485122P002, P003 137C8151P001, P002 SA182 - F304 1° thick x 5.0° OO x 1.75° IO
- 7. Cap Screw 117C4516P002 SA193 - B6 6 ea. 1/2' dia. on 4 1/8' bolt circle
- 8. Plug 175A7981P001 SA182 - F304 0.38" thick x 1.307" dia.
- 9 Nut 137C5934P001 XM - 19 SA479 1.30° thick x 2.62° dia



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CORRECTED COPY

PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY = 2. Near Athens. At. 35611
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A4141 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207 (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. nin.
(Brief description of service for which component was designed) ORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III (The applicable Designed Specification and Stress Report are not the responsibility of the NP Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not
included in the component Design Specification and Stress Report).
DATE: 5/4 ,19 88 Signed GE-NEBG-NF&OM-QA By Mindenmee: NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIF. Reg. No. 18345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Lata Report on /2/2 195/, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Purthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. N.C. 723, PAWC1766, OHIO
National Board, State, Province and No

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

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CORRECTED COPY

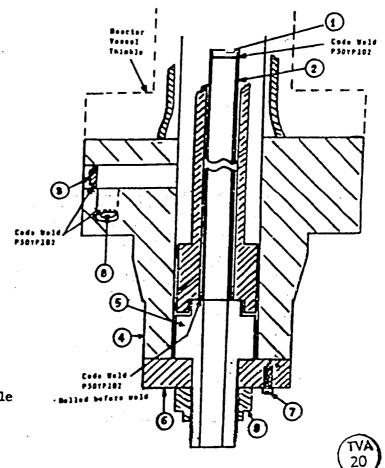
PORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURISHUNCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by:_				
	(Name and	Address of NPT	Certificate Holde	er)
(b) Manufactured for:	BROWNS FERRY - 2,	Near Athens, 1	AL 35611	
(Name and Ad	diress of N Certifi	zate Bolder for (completed nuclear	component
2. Identification-Certificate Hol	lders's S/N of Part	A4141	Nat'l Bd. N.	N/A
(a) Constructed According to Dr			-	. Peterson
(b) Description of Part Inspect	ed: CONTROL ROO DE	IVE, MODEL # 7RI	08144FG002	•
(C) Applicable ASME Code: Secti	 		N20	
3. REMARKS: Standard part for us	e with Reactor. Bu	at vilenitatemb	sted at 1825 noi	min
	ption of service fo	r which componen	t was designed)	, <u>mair</u>
			Sheet	2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 00
- Plange 919D610P1 (719E474) SA182-F304
 3.37 thick x 9 5/8 00
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.

京都大學等人では少数報告に審しいる人物は他に最初可以不要に知る好ななると言うがあ

- 6. Ring Flange 137C8151P2 SA182-F304 1" thick x 5.0 00 x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A7961P1 SA182-P304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 ' 201-19 SA479
 1.30 thick x 2.62 dia.



DRM H-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASM Code Rules, Section III, Div. I

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ufactured & Certified by : <u>General Electric Compariv Nuclear Fuel & Components Manufacturing (GE NF & CM)</u> 2117 Castle Havne Road, Wilminoton, North Carolina 28401 (Name and Address of ETT Cartificate Holder) b) Manufactured for : _TVA Chattanooga, Tennessee 37402-2127 (Home and Address of F Cortificate Solder for completed busines component) ntification - Certificate Holder's S/N of Part : <u>A3644</u> _ Ner'i Bd. No. ___N/A Constructed According to Drawing No: 768E534G008 Rev 9 Dug. Prepared by D.L. Politicson (b) Description of Part Inspected: Control Rod Drive . Model # 7RDB144FG005 (c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1 3. REWAXS: Standard part for use with Reactor. Hydrostatically tested at 1825 psl. min. (Brief description of service for which component was designed) Sheet 1 of 2 We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the MPT Certificate Holder for parts. An MPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 11/19/92

4477

Signed <u>GE - NEBG - NF & CM - QA</u> (MPT Cartificate Solder)

01/2/201

Certificate of Authorization Expires: 8/18/93 Certification of Authorization No. : NPTN-1151

Certification	of	Design	for	Appurtenance
---------------	----	--------	-----	--------------

Design information on file at ___ GE Company , San Jose , California

Stress analysis report on file at ___<u>GE Company. San Jose. California</u>

OCZZASZSI Rev. 1

Design specification certified by Blorn Hasberg Prof. Eng. State Call. Reg. No. 15570

DC22A8254 Rev 1

Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calll.</u> Reg. No. <u>M018848</u>

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the Mational Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Date Report on 1/05, 192, and state that to the best of my knowledge and belief, the MPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his amployer makes any werranty, expressed or implied,

concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his amployer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

ate Inspector's Bignature

NC 1231. Ohlo. WC 3688 PA Netional Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is $8-1/2^{\circ} \times 11^{\circ}$, (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

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5022.19**32** FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the AND Gode Rules, Section III, Div. I

Newfectured & Cert If led by : General Electric Company Nuclear Fiel & Components Manufacturing (GENE & CM)

2117 Castle Havne Road. Wilminoson. North Carolina 28401

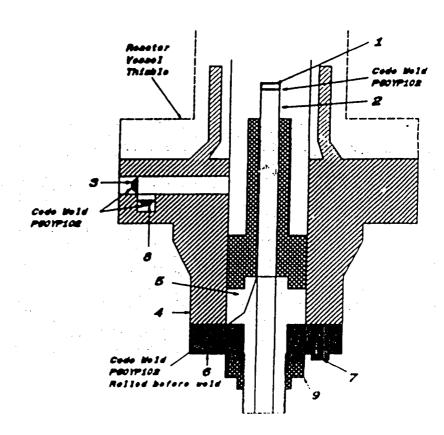
(b) Menufactured for : TVA Chattanooca, Tarressee 37402-2127

(Same and Address of E Certificate Solder for completed melear component)

- 2. Identification Certificate Holder's S/N of Part : A3844 Nati Bd. No. N/A
 - (a) Constructed According to Drawing No: 788534G008 Rev 9 Dug. Prepared by D. L. Polosson.
 - (b) Description of Part Inspected: Control Rod Drive . Model # 7RDB 144FG005
 - (c) Applicable ASME Code: Section III , Edition <u>1974</u>, Addenda Data <u>W75</u>, Case No. <u>N207 1361-2</u> Class <u>1</u>
- 3. REWAYS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)

Sheet 2 of 2

- 1. Cap 100592749001 8A182 - F304 3/8" thick x 1 1/16" 00
- 2. Indicator Tube 16086313P001 SA312 - 17316 3/6" soh 40 - seemisse pipe 6.113" well thickness 1.065' mex. dle.
- 3. Plug 159A1176P001 8A182-F304 1/4" Blok x 0.812" 00
- 4. Flange \$190610F001 (719£474) 8A182 F304 3.37 thick : \$ 5/8' 00
- 5. Base 137C3311P001 \$A182 - F304 7/8" thick x 2.875" die.
- 6. Ring Flange 11485122P002, P003 137C8181P001, P002 SA182 - F304 1' thick # 5.0' OO # 1.75' ID
- 7. Cap Screw 117C4516P002 SA193 86 6 sa. 1/2 die on 4 1/8 box circle
- 8. Plug 175A7981P001 SA182 - F304 0.38" thick = 1.307" die.
- 9 Nut 137C5934P001 XM - 19 SA479 1.30° thick = 2.62° dia



PORM N-2 NPT CERTIFICATE ECIDERS' DATA REPORT FOR NUCLEAR PART AND APPURTMANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder)
(b) Manufactured For: BROWNS FERRY - 2. Near Athens. AL. 35611
(Name and Address of N Certificate Holder for completed nuclear component
2 Identification-Cortificate Holders's SAL of Part. A4307 National Rd No. N/A
2. Identification-Certificate Holders's S/N of Part: A4307 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)
CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance
as defined in the code conforms to the rules of construction of the ASME Code Section III.
(The applicable Designed Specification and Stress Report are not the responsibility of the NP
Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible
for furnishing a separate Design Specification and Stress Report if the appurtenance is not
Included in the disposent pesign specification and screen reports.
DATE: 5/3 .19 88 Signed GE-NERG-NERGH-OA BY 7 May demonstrate
included in the component Design Specification and Stress Report). DATE: 5/3 ,19 88 Signed GE-NEBG-NF&CM-QA By
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0
Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570
DC22AA912 Rev. 2 Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALLF. Reg. No. 18345
Scress analysis report certainer by maintactic database rior, and, some countries, no. 10345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure
Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR
or STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this
Partial Data Report on 2/5 19 32 and state that to the best of my knowledge
Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABOR or STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 2/5/19/12 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME
Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty,
expressed or implied, concerning the part described in the Partial Data Report. Furthermore,
neither the Inspector nor his employer shall be liable in any manner for any personal injury
or property damages or a loss of any kind arising from or connected with this inspection.
N.C. 723, PA. WC1766, GHIO
ATE Inspector's Signature National Board, State, Province and No.

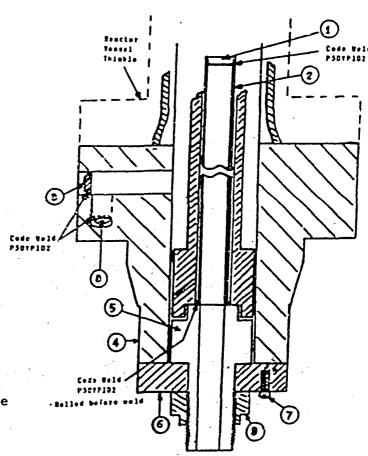
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

TVA 20

PORM N-2 NPT CERTIFICATE BOLDERS' DATA PEPORT FOR NUCLEAR PART AND APPORTMANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by:	GE Company, 2117 Cas	tle Hayne Rd., W	ilmington, N.C.	28401
	(Name and A	diress of NPT Ce	rtificate Holder	•)
(b) Manufactured for:	BROWNS FERRY - 2,	Near Athens, AL	35611	
Clame and A	ddress of N Certificat	te Holder for con	mpleted nuclear	component)
2. Identification-Oertificate Ho	olders's S/N of Part:_	A4307	Nat'l Bd. N	N/A
(a) Constructed According to D	cawing No: 768E534G00	06 Dwg. Pr	repared by D. L.	Peterson
(b) Description of Part Inspec	ted: CONTROL ROD DRIV	E, MODEL # 7RDB1		····
			N207	
(C) Applicable ASME Oode: Sect	ion III, Edition 1974,	Addenda Date W'7	<u> 5 Case No. 1361</u>	<u>-2</u> Class 1
	se with Reactor. Hydr			min.
	iption of service for			
CORRECTED COPY: Changed Items 20	a) and 2(b). Modified	from 768E534G1	to G6 Drive.	
				
			Sheet 2	2 of 2

- 1. Cap 166B9274Pl SA182-P316 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Plange 919D610P1 (719E474)SA182-F3043.37 thick x 9 5/8 00
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-P304 1" thick x 5.0 00 x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-P304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 X4-19 SA479
 1.30 thik x 2.62 dia.



PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear components)
2. Identification-Certificate Holders's S/N of Part: A4812 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL \$ 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Clas
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
We certify that the statements in this report are correct and this vessel part or appurtena as defined in the code conforms to the rules of construction of the ASME Code Section I (The applicable Designed Specification and Stress Report are not the responsibility of the Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is included in the component Design Specification and Stress Report).
DATE: 4/14,19 88 Signed GE-NEBG-NF&OM-QA By J. Thudumu
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-11
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIF. Reg. No. 18345
CERCIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABC of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 5/5 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASC Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
NC. 723,PAWC1766, OHIO Inspector's Signature National Board, State, Province and N
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is
and Laminer and an entered and an arrange of arranged and and broatens (1) proc 12

8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

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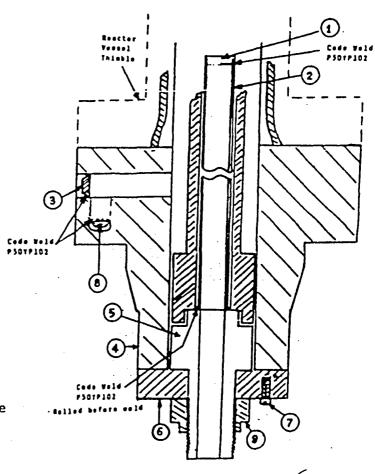
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PORM H-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPORTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

•	
1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C.	28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611	
(Name and Address of N Certificate Holder for completed nuclear	component
2. Identification-Certificate Holders's S/N of Part: A4812 Nat'l Bd. N.	N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L.	Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002	
N207 (C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361	
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi.	min.
(Brief description of service for which component was designed)	
ORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.	
Shoot 1	2 of 2

- 1. Cap 166B9274Pl SA182-F316 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474)SA182-F3043.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2
 SA182-F304
 1" thick x 5.0 CO x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 XM-19 SA479
 1.30 thik x 2.62 dia.



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CORRECTED COPY

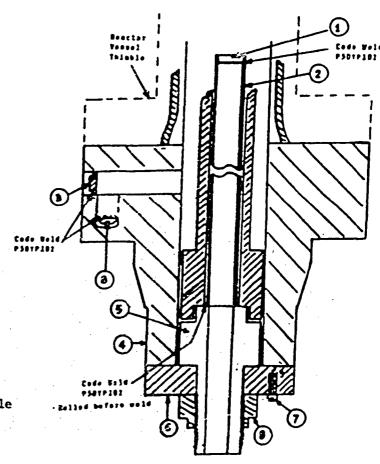
PORM N-2 NPT CERTIFICATE HOLDERS' DATA REFORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

	1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
	(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear componer
	(Name and Address of N Certificate Holder for completed nuclear componer
	2. Identification-Certificate Holders's S/N of Part: A5646 Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
•	(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
	(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
	3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
	(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
	SHEET 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenant as defined in the code conforms to the rules of construction of the ASME Code Section II. (The applicable Designed Specification and Stress Report are not the responsibility of the Ni Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is no included in the component Design Specification and Stress Report).
	DATE: 5/20,19 88 Signed GE-NEBG-NF6CM-CA By Alle Mule (NPT Certificate Holder)
	Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
	CERTIFICATION OF DESIGN FOR APPORTENANCE
	Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
	Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
	DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
	Stress analysis report certified by <u>BETTADAPUR SRDHAR</u> Prof. Eng. State <u>CALIF</u> . Reg. No. <u>18345</u>
	CERTIFICATION OF SECP INSPECTION
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 4/2 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME
	Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. 5/23 19 CR R R R R R R R R R R R R R R R R R R
	DATE / Inspector's Signature National Board, State, Province and No
(1	*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 5-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSs" O/77)

FORM N-2 NPT CERTIFICATE BOLDERS' DATA KEPORT FOR NUCLEAR PART AND APPORTMUNCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. 1	Manufacture	d & Certified by:							
			(N	ame and A	ddress of	NPT C	ertificat	æ Rolder	:)
((b) Manufac	tured for:							
		(Name and	Address of N	Certifica	te Bolder	for a	ampleted	nuclear	component
2. 1	(dentificati	ion-Certificate H	olders's S/N	of Part:_	A5646		Nat'l	Bd. N	N/A
		ted According to				Dwg. 1	Prepared	by D. L.	Peterson
· (£	o) Descripti	ion of Part Inspec	cted: CONTRO	L ROD DRIN	VE, MODEL	7RDE	3144FG002		
				1054		- 4 - 744	~~ ~ .	N207	
(C	:) Wordicap	le ASME Coode: Sect	tion III, Eat ti	ion 1974,	Addenda D	ate W	75 Case 1	10. 1361	-2 Class_
3. RE	Marks: St	andard part for u							min.
		(Brief descr	iption of ser	rvice for	which com	ponent	was desi	gned)	
CORRE	CIED COPY:	Changed Items 20	a) and 2(b),	Modified	from 768	ES34G1	to G6 D	ive.	
								Sheet 2	2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 CD
- Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-sexmless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 00
- Plange 919D610P1 (719E474)
 SA182-P304
 3.37 thick x 9 5/8 0D
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-P304 1° thick x 5.0 CD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-P304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 ' XM-19 SA479
 1.30 thix x 2.62 dia.



20134525909

CORRECTED COPY

PORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

•
1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear components
2. Identification-Certificate Holders's S/N of Part: A4814 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144PG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Clas
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenal as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is included in the component Design Specification and Stress Report).
DATE: 5/20,19 88 Signed GE-NEBG-NF&OM-QA By MALE (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345
CRETIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur- Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABO of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 3/12 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
5/20 ,1988 ES Sherrill N.C. 723, PA.WC1766, OHIO
ATE / Inspector's Signature National Board, State, Province and N
•

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMAPKSs" (10/77)

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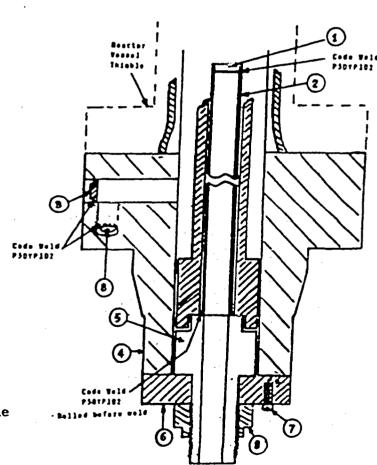
CORRECTED COPY

FORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPORTENUNCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401	l.
(Name and Address of NPT Certificate Holder)	
(b) Manufactured for: BROWNS PERRY - 2, Near Athens, AL 35611	
(Name and Address of N Certificate Holder for completed nuclear compon	ent
2. Identification-Certificate Holders's S/N of Part: A4814 Nat'l Bd. N. N/A	
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peter	ecn
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002	
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Clas	ss_:
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi min.	
(Brief description of service for which component was designed)	
CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768ES34G1 to G6 Drive.	
Sheet 2 of 2	

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 00
- Indicator Tube 166B9313P1 SA312-TP316 3/4 scn 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159All76Pl SAl82-F304 1/4 thick x 0.812 00
- Flange 919D610P1 (719E474) SA182-P304
 3.37 thick x 9 5/8 00
- 5. Base 137C5311P1 X4-19 SA479 7/8 thick x 2.875 Dia.

- 6. Ring Plange 137C8151P2
 SA182-P304
 1* thick x 5.0 00 x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A796lPl SA182-P304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1' X4-19 SA4791.30 thick x 2.62 dia.



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PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear compone
2. Identification-Certificate Holders's S/N of Part: A5111 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002 N207
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
We certify that the statements in this report are correct and this vessel part or appurtena as defined in the code conforms to the rules of construction of the ASME Code Section I (The applicable Designed Specification and Stress Report are not the responsibility of the Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is included in the component Design Specification and Stress Report).
DATE: 4/15 ,19 88 Signed GE-NEBG-NF&CM-QA By Mouleymus
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-11
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIP. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIP. Reg. No. 18345
CONTINUENTAL CON COLOR TRICODECTICAL
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABS of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in the Partial Data Report on 5/5 19 82, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the AS
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LAB of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in the Partial Data Report on 5/5 19 82, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the AS Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LAB of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in the Partial Data Report on 5/5 19 82, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the AS Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury

"Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

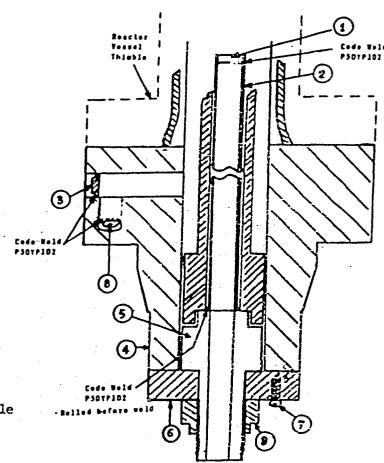
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PORM N-2 NPT CERTIFICATE BOLDERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
Name and Address of N Certificate Holder for completed nuclear componer
2. Identification-Certificate Holders's S/N of Part: A5111 Nat'l Bd. N. N/L
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RD8144FG002
N207
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
· · · · · · · · · · · · · · · · · · ·
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)
CORRECTED COPY: Changed Items 2(a) and 2(b). Modified from 768F534Gl to G6 Drive.

- Cap 166B9274P1
 SA182-F316
 3/8 thick X 1 1/16 00
- Indicator Tube 166B9313P1 SA312-TP316
 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SA182-F304 1/4 thick x 0.812 OD
- Flange 919D610P1 (719E474)
 SA182-P304
 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2 SA182-F304 1" thick x 5.0 00 x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A796lPl SA182-P3040.38 thick x 1.307 dia.



(63)

2417

Sheet 2 of 2

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PCTM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NULLEAR PART AND APPURTINANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A5712 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
We certify that the statements in this report are correct and this vessel part or appurtenant as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is reincluded in the component Design Specification and Stress Report). DATE: 4/14,19 88 Signed GE-NEBC-NF&CM-QA By Communication and Stress Report in the component Design Specification and Stress Report in the appurtenance is responsible to the component Design Specification and Stress Report).
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPERTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0
Design specification certified by BJCRN HAABERG Prof. Eng. State CALIF. Reg. No. 15576 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIF. Reg. No. 16345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this partial Data Report on 4/2 19 82, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the AST Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. NCC 723,PAWC1766, Dillie
ATE // Inspector's Signature National Board, State, Province and No
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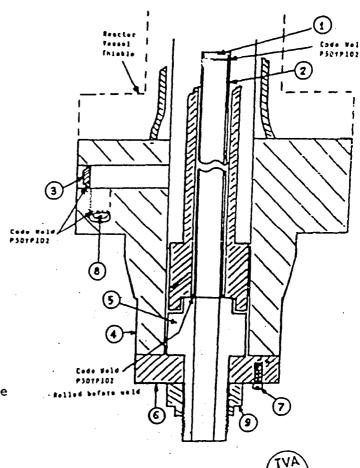
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSs" (10/77)

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PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28	401
(Name and Address of NPT Certificate Holder)	
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611	
(Name and Address of N Certificate Holder for completed nuclear com	onent
2. Identification-Certificate Holders's S/N of Part: A5712 Nat'l Bd. N. N.	/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Pe	erson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7ROB144FG002	
N207 (C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 (lass_
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min	•
(Brief description of service for which component was designed)	
CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.	
Sheet 2 of	2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 CO
- 2. Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- Plug 159Al176Pl
 SA182-F304
 1/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C53liP1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-F304 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 XM-19 SA479
 1.30 thik x 2.62 dia.



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PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPI Certificate Holder) (b) Manufactured for: RROWNS FFRRY = 2 Near Athens At 35611
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear components)
2. Identification-Certificate Holders's S/N of Part: A4846 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Petersc
N207
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Late W-75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
ORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
We certify that the statements in this report are correct and this vessel part or appurtenant
as defined in the code conforms to the rules of construction of the ASME Code Section II
(The applicable Designed Specification and Stress Report are not the responsibility of the N
Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not for furnishing a separate Design Specification and Stress Report if the appurtenance is not for furnishing a separate Design Specification and Stress Report if the appurtenance is not formal for furnishing a separate Design Specification and Stress Report if the appurtenance is not formal forma
for furnishing a separate Design Specification and Stress Report if the appurtenance is n included in the component Design Specification and Stress Report).
The file
DATE: 5/20,19 88 Signed GE-NEBG-NF&CM-QA By This (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
Cettiffate of Authorization Expires: 0/10/30 Cettiffation of Authorization No.: NET N-112
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJCRN HABBERG Prof. Eng. State CALIP. Reg. No. 15570
DC22A4912 Rev. 2 Stress analysis report certified by <u>BETTADAPUR SRIHAR</u> Prof. Eng. State <u>CALIF</u> . Reg. No. <u>18345</u>
CERTIFICATION OF SHOP INSPECTION
1, the undersigned, holding a valid commission by the National Board of Boiler and Pressur-
Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABO
of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 3/1 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM
and belief. the NPT Certificate Holder has constructed this part in accordance with the ASM
Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty
expressed of implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury
or property damages or a loss of any kind arising from or connected with this inspection.
1 0 10 1765 OHIO
19 88 Sperich N.U. 723, PANY 1700, ONIO ATE Inspector's Signature National Board, State, Province and N
majorità a organiare mattera controlle did n

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

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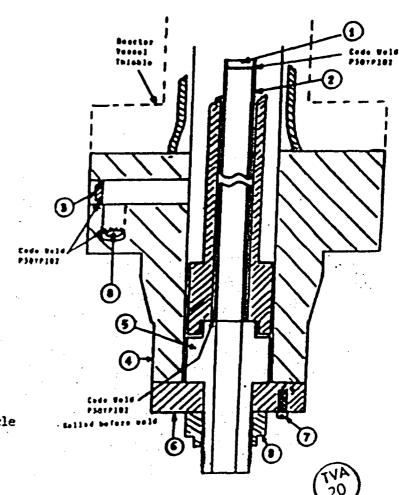
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NOTH N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTMANCES. As required by the Provision of the ASE Code Rules, Section III, DIV. I

1.	nufactured & Oertified by:					
	•	(Na	me and Ada	iress of NPI	Certificate Hold	ker)
	(b) Manufactured for:	BROWNS PERRY	- 2, 1	lear Athens,	AL 35611	
	(Name and)	Address of N O	ertificate	Bolder for	completed nuclea	r component
2.	Identification-Certificate Ho	olders's S/N o	f Parti	A4846	Nat'l Bd. N	N/A
	(a) Constructed According to I	crawing No: 70	68ES34G006	Dug.	Prepared by D.	L. Peterson
	b) Description of Part Inspec	ted: CONTROL	ROD DRIVE	, MODEL 4 71		
	(C) Applicable ASME Code: Sect	ion III,Editic	n 1974, A	ddenda Date	N2 W'75 Case No. 13	
	EMARKS: Standard part for u	se with Reacto	r. Bydro	statically t	ested at 1825 ps:	
OR	(Brief descr ECTED COPY: Changed Items 20	iption of serval and 2(b),	ice for w Modified	hich compone Erom 7682534	nt was designed) Gl to G6 Drive.	
					Sheet	2 of 2

- 1. Cap 16689274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 16689313P1 SA312-TP316
 3/4 sch 40-seamless pipe J.113 wall thickness 1.065 max. dia.
- 3. Plug 159A1176Pl SA182-F304 1/4 thick x 0.812 0D
- Plange 919D610P1 (719E474)
 SA182-P304
 3.37 thick x 9 5/8 00
- 5. Base 137C5311P1 X4-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-F304 1° thick x 5.0 CD x 1.75 ID
- Cap Screw 117C4516P2
 SA193-B6
 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A7961P1
 SA182-P304
 0.38 thick x 1.307 dia.

ut 137CS934P1 AH-19 SA479 1.30 thik x 2.62 dia.



PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holders's S/N of Part: A5234 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
included in the component Design Specification and Stress Report). DATE: 5/3 ,19 88 Signed GE-NEBG-NF&CM-OA By Continuous (NPT Certificate Holder) Continuous Of Authorization Projects 6/16/90 Continuous of Authorization No. 1 NPT N 1351
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0
Design specification certified by BJCRN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by <u>BETTADAPUR SRDHAR</u> Prof. Eng. State <u>CALIF</u> . Reg. No. <u>18345</u>
CERCIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 4/2 19/24 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASAE Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Purthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. N.C. 723, PA.WC1766, OHIO
ATE Inspector's Signature National Board, State, Province and No.

'Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

海外人名 人名英格兰西姆 人名英克勒斯 医克勒氏

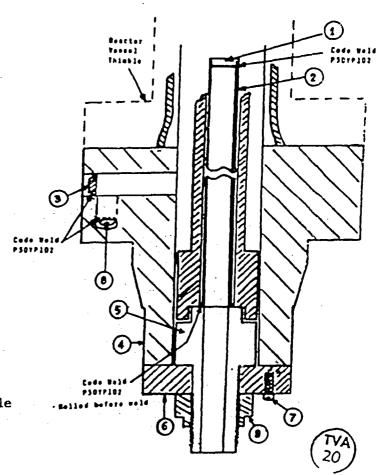
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PORM H-2 MPT CEPTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Oertificate Holders's S/N of Part: A5234 Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROO DRIVE, MODEL # 7RDB144FG002
N207
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)
ORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
Sheet 2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 CD
- 4. Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2
 SA182-P304
 1" thick x 5.0 CD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A796lPl SA182-F304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 XM-19 SA479
 1.30 thik x 2.62 dia.



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CORRECTED COPY

PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTMANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder)
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear components)
(Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A4688 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 ps., min. (Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
CUTTE 1 A6 2
We certify that the statements in this report are correct and this vessel part or appurtenan as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is no included in the component Design Specification and Stress Report).
DATE: 5/20,19 88 Signed GE-NEBG-NF6OM-OA By THE WILLIE (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
• • • • • • • • • • • • • • • • • • • •
CERTIFICATION OF DESIGN FOR APPORTSHANCE
CERTIFICATION OF DESIGN FOR APPORTSNANCE Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
CERTIFICATION OF DESIGN FOR APPORTMENCE Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SROHAR Prof. Eng. State CALIF. Reg. No. 18345
CERTIFICATION OF DESIGN FOR APPORTSNANCE Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345 CERTIFICATION OF SHOP INSPECTION
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22M6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22M4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345 CERTIFICATION OF SHOP INSPECTION I, the undersigned, holding a walid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure wessel described in this Partial Lata Report on 3/1 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A6912 Rev. 2 Stress analysis report certified by BESTADAPUR SROHAR Prof. Eng. State CALIF. Reg. No. 18345 CERTIFICATION OF SHOP INSPECTION I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 3/1 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22M6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22M912 Rev. 2 Stress analysis report certified by BESTADARUR SKOHAR Prof. Eng. State CALIF. Reg. No. 18345 CERTIFICATION OF SHOP INSPECTION I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 3/1 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III. By signing this certificate, neither the Inspector nor his employer makes any varranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. N.C. 723,PA.WC1766, OHIO
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIF. Reg. No. 18345 CERTIFICATION OF SHOP INSPECTION I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 3/1 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS2" (10/77)

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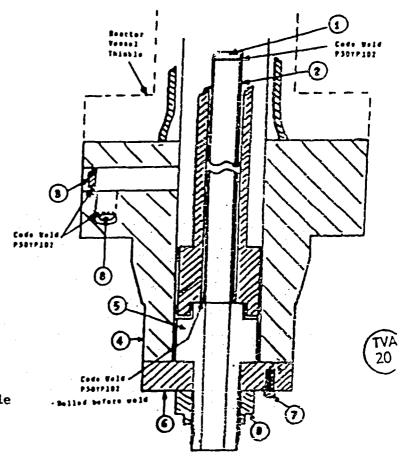
COMMECTION CONT.

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PORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPERTISHENCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

6 Certified by							
		Name and A	ddress of	NPT	Certifica	te Holde	r)
(Name and	Address of N	Certifica	te Bolder	for	completed	nuclear	component
-Certificate	Holders's S/N	of Part:_	A4688		Nat'	l Bd. N.	N/A
According to	Drawing No:_	768ES34G00)6	Dwg.	Prepared	by D. L.	. Peterson
of Part Insp	ected: ONTR	OL ROD DRIV	E, MODEL	₿ 7RI	08144FG002		
ASME Code: Se	ction III,Edit	ion 1974,	Addenda D	ate_i	<u>1'75</u> Case		
							min.34
hanged Items	2(a) and $2(b)$,	<u> Modified</u>	from 768	E534G	1 to 66 D	rive.	
						Sheet	2 of 2
	Name and n-Certificate According to n of Part Insp ASME Code: See dard part for (Brief desc	red for: RROWNS FER (Name and Address of N n-Certificate Holders's S/N d According to Drawing No: n of Part Inspected: CONTRO ASME Code: Section III, Edit dard part for use with Reac (Brief description of se	(Name and Adress of N Oertification of Part Inspected: CONTROL ROD DRIVE ASME Code: Section III, Edition 1974, (Brief description of service for the Rows of the Reservice for the Reservice for the Rows of the Reservice for the Rows of the Reservice for the Rows of the Reservice for the Rows of the Rows of the Reservice for the Rows of the R	(Name and Address of red for: BROWNS FERRY - 2, Near Athe Name and Address of N Certificate Bolder n-Certificate Holders's S/N of Part: A4688 According to Drawing No: 768E534G006 To Part Inspected: CONTROL ROD DRIVE, MODEL ASME Code: Section III, Edition 1974, Addenda II dard part for use with Reactor. Hydrostatical (Brief description of service for which com	(Name and Address of NPT red for: BROWNS PERRY - 2, Near Athens, OName and Address of N Certificate Holder for n-Certificate Holders's S/N of Part: A4688 According to Drawing No: 768E534G006 Dwg. To Part Inspected: CONTROL ROD DRIVE, MODEL # 7RI ASME Code: Section III, Edition 1974, Addenda Date With Reactor. Hydrostatically te (Brief description of service for which component	(Name and Address of NPT Certificate for: BROWNS FERRY - 2, Near Athens, AL 356 (Name and Address of N Certificate Bolder for completed in-Certificate Holders's S/N of Part: A4688 Nat': According to Drawing No: 768E534G006 Dwg. Prepared of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002 ASME Code: Section III, Edition 1974, Addenda Date W'75 Case dard part for use with Reactor. Hydrostatically tested at 1 (Brief description of service for which component was des	(Name and Address of NPT Certificate Holdered for: BROWNS FERRY - 2, Near Athens, AL 35611 Name and Address of N Certificate Holder for completed nuclear in-Certificate Holders's S/N of Part: A4688 Nat'l Bd. N. According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Of Part Inspected: CONTROL ROD DRIVE, MODEL & 7RDB144FG002 ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361 dard part for use with Reactor. Hydrostatically tested at 1825 psi. (Brief description of service for which component was designed, hanged Items 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SA182-F304 1/4 thick x 0.812 00
- 4. Plange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2
 SA182-F304
 1* thick x 5.0 CD x 1.75 ID
- Cap Screw 117C4516P2
 SA193-B6
 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1SA182-P3040.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 ' X4-19 SA479
 1.30 thik x 2.62 dia.



1 3 7 5 1-9 9 0 0 ---

CORRECTED COPY

PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A4702 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Petersor
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III (The applicable Designed Specification and Stress Report are not the responsibility of the NI Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is no
DATE: 5/20,19 88 Signed GE-NEBG-NF&CM-OA By MACHINE NPT Certificate Holder)
(NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-113
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. <u>15570</u>
DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIF. Reg. No. 18345
CERCIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 4/2 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Purthemore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. 5/20 ,1988
Inspector's Signature National Board, State, Province and No

Property of the Party Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (4) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSs" (7VA) (10/77)

ASH N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPRITHUNCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

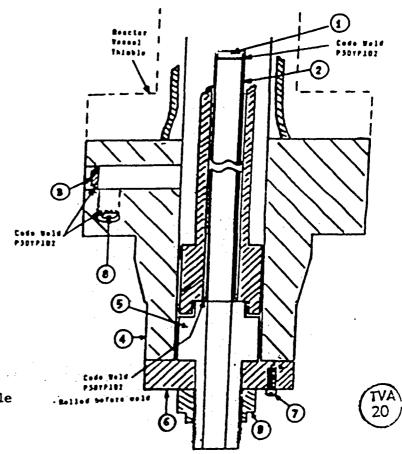
1. Manufactured & Certified by: GE Company, 2117 Ca	
(Name and A	Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2,	Near Athens, AL 35611
(Name and Address of N Certific	ate Bolder for completed nuclear component
٦	0.4702
2. Identification-Certificate Holders's S/N of Part:	Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534GC	106 Duri Dranamal but D. T. Dataway
(a) Wiscinced Acounting to making No. 70023400	Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRI	IVE, MODEL # 7RDB144FG002
	N207
(C) Applicable ASME Code: Section III, Edition 1974,	Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Byd	rostatically tested at 1825 psi. min.
(Brief description of service for	which component was designed)
CORRECTED COPY: Changed Items 2(a) and 2(b), Modifie	
	Sheet 2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 00
- 4. Plange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-P304 1* thick x 5.0 CD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-P304 0.38 thick x 1.307 dia.

9. Nut 137C5934P1

204-19 SA479

1.30 thick x 2.62 dia. | 0 C S 2 Z > 2 | C C



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PORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR MULLEAR PART AND AFPURTEMANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear component
2. Identification-Certificate Holders's S/N of Part: A3837 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPC Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
DATE: 5/3 ,19 88 Signed GE-NEBG-NF&CM-OA By . EMfludiumuii NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by <u>BETTADAPUR SRUHAR</u> Prof. Eng. State <u>CALIP</u> . Reg. No. <u>18345</u>
CADALLA CARROLLO DE CARROLLO D
CERCIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 2/24 19 52, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Purthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
5/3 19 88 Effected N.C. 723, PAWC1766, OHIO ATE National Board, State, Province and No.
Inspector's Signature National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

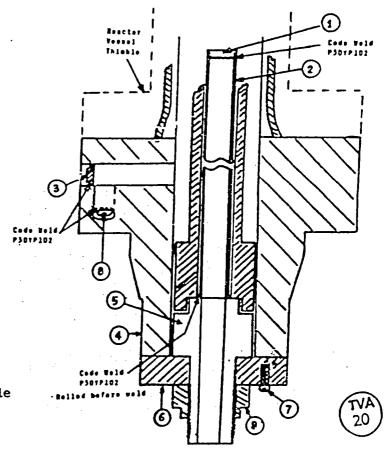
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PORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPORTMANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by:						
	(Name	and Address	of NPT	Certificate H	lolder)
(b) Manufactured for:						
(Name and A	ddress of N Cer	tificate Holde	er for	completed nuc	lear	component)
2. Identification-Certificate Ho	lders's S/N of	Part: A38	37	Nat'l Bd	. N	N/A
(a) Constructed According to D	rawing No: 768	ES34G006	_ Dwg.	Prepared by	D. L.	Peterson
(b) Description of Part Inspec	ted: CONTROL RO	DO DRIVE, MODE	L # 7R	DB144FG002		
(a) table table table Code. Code	ing TTT maining	1074			N207	
(C) Applicable ASME Oxde: Secti	iou iii'raitiou	1974, Addenda	Date I	1175 Case No.	1361-	-2 Class_1
3. REMARKS: Standard part for us						min.
(Brief descri	ption of service	ze for which o	amponer	it was designe	2 (2)	
ORRECTED COPY: Changed Items 2(a	a) and 2(b), Mo	dified from 7	68E5340	l to G6 Drive		
				G:	oot 2	of 2
				3.	CC 2	01 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 CD
- 2. Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-scamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Plange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2
 SA182-F304
 1* thick x 5.0 00 x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-P3040.38 thick x 1.307 dia.
- 9. Nut 137C5934P1 XM-19 SA479 1.30 thik x 2.62 dia.



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PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURITHANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear componen
2. Identification-Certificate Holders's S/N of Part: A5660 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002 N207
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi min. (Brief description of service for which component was designed)
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenan as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is no included in the component Design Specification and Stress Report).
DATE: 5/20,19 88 Signed GE-NEBG-NF&CM-QA By Harmil
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this Partial Data Report on 4/2 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. 128 Shirewill N.C. 723.PAWC1766, Gilli N.C. 723.PAWC1766,
Inspector's Signature National Board, State, Province and N

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^{*}Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

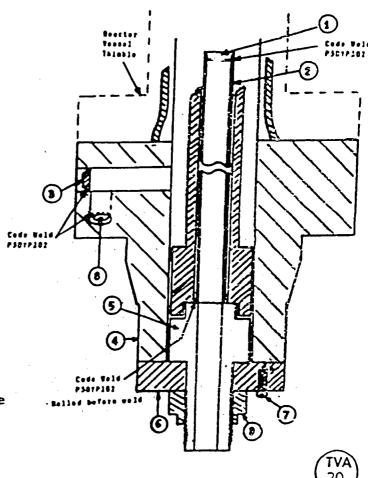
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FORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTATION CES. As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington	
(Name and Address of NPT Certificate	e Solder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 3561	1
Name and Address of N Certificate Bolder for completed i	nuclear component
2. Identification-Certificate Holders's S/N of Part: A5660 Nat'l	Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared N	by D. L. Peterson
(5) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RD8144FG002	
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case N	N207 No. <u>1361-</u> 2 Class_
3. REMARKS: Standard part for use with Reactor. Bydrostatically tested at 18	
(Brief description of service for which component was desi	aned:
CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534G1 to G6 Dr	
	Sheet 2 of 2

- 1. Cap 166B9274P1 SA182-P316 3/8 thick X 1 1/16 00
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 CD
- 4. Plange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 CD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Plange 137C8151P2 SA182-P304 1* thick x 5.0 CO x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1SA182-F3040.38 thick x 1.307 dia.
- 9. Nut 137C5934P1 ' X4-19 SA479 1.30 thik x 2.62 dia.



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PORM 3-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTSNANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS PERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear components)
2. Identification-Certificate Holders's S/N of Part: A4737 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207 (c) Applicable ASME Code: Section III, Edition 1974 , Addenda Date W'75, Case No. 1361-2 Clas
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenal as defined in the code conforms to the rules of construction of the ASME Code Section I. (The applicable Designed Specification and Stress Report are not the responsibility of the Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is included in the component Design Specification and Stress Report).
DATE: 4/15 ,19 88 Signed GE-NEBG-NF&CM-QA By Extracterment (NPT Certificate Holder)
$m{i}$
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPURITMANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIP. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARTMENT OF LABC of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 2/5 19 82, and state that to the best of my knowledg and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Purthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
Inspector's Signature National Board, State, Province and N
Simplemental sheets in form of lists, sketches or drawing may be used provided (1) size is

-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) ach sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS"

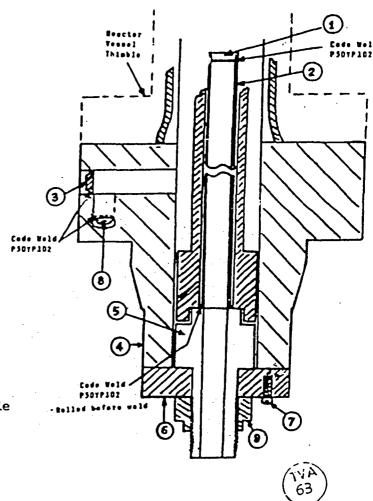
(10/77)

10/17

PORM N-2 NPT CERTIFICATE ECODERS DATA REPORT FOR NUCLEAR PART AND APPORTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 284	01
(Name and Address of NPT Certificate Holder)	
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611	
(Name and Address of N Certificate Holder for completed nuclear compo	men
2. Identification-Certificate Holders's S/N of Part: A4737 Nat'l Bd. N. 3//	A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Pete	<u> 150</u>
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002	
N207	
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Cl	ass_
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.	
(Brief description of service for which component was designed)	
CORRECTED COPY: Changed Items 2(a) and 2(b), Medified from 768E534Gl to G6 Drive.	
Sheet 2 of	2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159All76Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Plange 919D610P1 (719E474) SA182-P304 3.37 thick x 9 5/8 0D
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2
 SA182-F304
 1* thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 XM-19 SA479
 1.30 thik x 2.62 dia.



2/17

201345,000

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear compone
(Name and Address of N Certificate Holder for completed nuclear compone
2. Identification-Certificate Holders's S/N of Part: A5553 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenant as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
DATE: 4/14 ,19 88 Signed GE-NEBG-NF&CM-QA By Mudumu
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPORTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJCRN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by <u>BETTADAPUR SRIMAR</u> Prof. Eng. State <u>CALIF.</u> Reg. No. <u>18345</u>
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORIH CAROLINA and employed by DEPARIMENT OF LABO of STATE OF NORIH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 3/12 19 82, and state that to the best of my knowledg and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
4/15 1988 ES Shenrill N.C. 723, PAWC1766, OHIO
Inspector's Signature National Board, State, Province and N

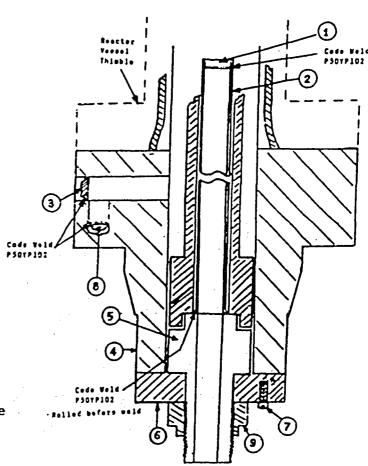
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS", 10/77)

(TVA) 63) /₀₇ /

PORM N-2 NPT CERTIFICATE HOLDERS, DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear componen
2. Identification-Certificate Holders's S/N of Part: A5553 Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(h) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)
CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
Sheet 2 of 2

- 1. Cap 166B9274P1
 SA182-F316
 3/8 thick X 1 1/16 OD
- Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159Al176Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474) SA182-F3043.37 thick x 9 5/8 OD
- 5. Base 137C53L1P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2 SA182-F304 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2SA193-B66 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1 XM-19 SA479 1.30 thik x 2.62 dia.



20134559000

CORRECTED COPY

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder) (b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611 (Name and Address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holders's S/N of Part: A5624 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
DATE: 4/14, 19 88 Signed GE-NEBG-NF&OM-QA By . Thrudesmui (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPURTENANCE
CERTIFICATION OF DESIGN FOR APPURTENANCE Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRIHAR Prof. Eng. State CALIF. Reg. No. 18345

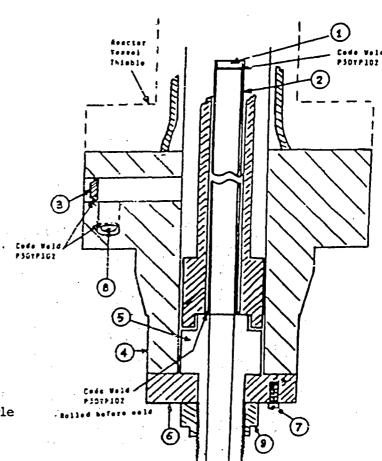
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8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

PORM N-2 NPT CERTIFICATE BOLLESS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28	3401
(Name and Address of NPT Certificate Holder)	
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611	
(Name and Address of N Certificate Holder for completed nuclear com	ponent
2. Identification-Certificate Holders's S/N of Part: A5624 Nat'l Bd. N. N	1/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Pe	terson
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002	
N207 (C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2	Class_
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. mir	n
(Brief description of service for which component was designed) CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.	
Grant 2 at	

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SA182-F304 1/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474) SA182-F3043.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2
 SA182-F304
 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A796lPl SA182-F304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 XM-19 SA479
 1.30 thick x 2.62 dia.





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1. Janufactured & Certified by : General E	lectric Company Nuclear Fuel & Components Manufacturing (GENF & CM
	tie Hayne Road, Wilmington, North Carolina 28401 Hase and Address of MTT Cartificate Bolder)
(b) Manufactured for : TVA	hattanooga, Tennessee 37402-2127
	dress of H Certificate Holder for completed nuclear component)
	of Part :
	768E534G008 Rev 9 Dag. Prepared by D. L. Peterson
	ntrol Rod Drive . Model # 7RDB144FG005
(c) Applicable ASME Code: Section III .	Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
	ctor. Hydrostatically tested at 1825 psi. min.
	Sheet 1 of 2
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate De the component Design Specification and Stree	rt are correct and this vessel part or appurtenance as defined in the code e ASMC Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An MPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in ss Report).
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate De the component Design Specification and Stree	rt are correct and this vessel part or appurtenance as defined in the code e ASME Code Section III. (The applicable Designed Specification and Stress T Certificate Molder for parts. An NPT Cartification Molder for appurtenance sign Specification and Stress Report if the appurtenance is not included in
conforms to the rules of construction of the Report are not the responsibility of the RP is responsible for furnishing a separate De the component Design Specification and Street Date: 08/25/92 Signed G	rt are correct and this vessel part or appurtenance as defined in the code e ASMC Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An NPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in as Report.). E-NEBG-NF&CM-OA B
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate Design Specification and Street Date: 06/25/92 Signed G Certificate of Authorization Expires: 6/16	rt are correct and this vessel part or appurtenance as defined in the code a ASMC Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An NPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in as Report.). E-NEBG-NF & CM-OA (MPT Certificate Bolder.)
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate Design Specification and Streether component Design Specification and Streether: 06/25/92 Signed G Certificate of Authorization Expires: 6/16	rt are correct and this vessel part or appurtenance as defined in the code e ASMC Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An NPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in ss Report). E-NEBG-NF&CM-OA (MPT Certificate Bolder) SC GA Representive) 73 Certification of Authorization No.: NPTN-1151 On of Design for Appurtenance
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate Destree component Design Specification and Street Date: 08/25/92 Signed G Certificate of Authorization Expires: 8/16 Certification	rt are correct and this vessel part or appurtenance as defined in the code e ASME Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An MPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in ss Report). E-NEBG-NF&CM-OA (MPT Certificate Bolder) ON Certification of Authorization No.: NPTN-1151 On of Design for Appurtenance Ompany, San Jose, California
conforms to the rules of construction of the Report are not the responsibility of the AP is responsible for furnishing a separate Design Specification and Streethe component Design Specification and Streethe component Design Specification and Streethe Certificate of Authorization Expires: 6/16 Certificate of Authorization Expires: 6/16 Certification Design information on file at	rt are correct and this vessel part or appurtenance as defined in the code e ASME Code Section III. (The applicable Designed Specification and Stress T Certificate Holder for parts. An MPT Certification Holder for appurtenance sign Specification and Stress Report if the appurtenance is not included in ss Report). E-NEBG-NF&CM-OA (MPT Certificate Bolder) ON Certification of Authorization No.: NPTN-1151 On of Design for Appurtenance Ompany, San Jose, California

Certification of Shop Inspection

1, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on April 10 of State of North Carolina have and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. 5/25 1972 Austria P France NC 1231, Ohio, WC 3686 PA National Board, State, Province And No

87.3128/05

^{*}Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

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FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASHE Code Rules, Section III, Div. I

1.	Manufactured & Certified by :	General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)
		2117 Castle Havne Road, Wilmington, North Carolina, 28401
		(Feme and Address of HTT Cartificate Holder)

(b) Manufactured for : TVA Chaffanooga Tennessee 37402-2127

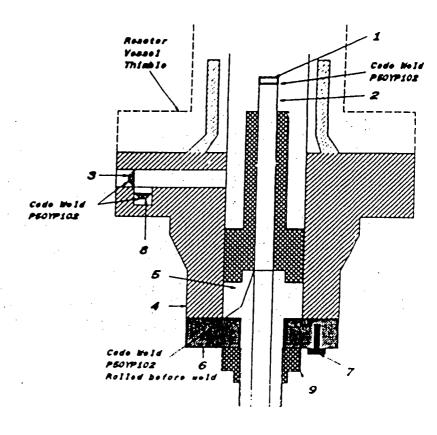
(Hame and Address of H Certificate Holder for completed nuclear component)

- 2. Identification Certificate Holder's S/N of Part : A5394 Natl Bd. No. N/A
 - (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dag. Prepared by D.L. Peterson
 - (b) Description of Part Inspected: Control Rod Drive , Model # 7RDB144FG005
 - (c) Applicable ASME Code: Section III . Edition 1974 . Addenda Date W75 . Case No. N207 1361-2 Class 1
- 3. REWARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi, min.

 (3rief description of service for which component was designed)

Sheet 2 of 2

- 1. Cap 16689274P001 SA182 - F304 3/8" thick = 1 1/16" 00
- 2. Indicator Tube 16689313P001 \$A312 - TP316 3/4" sch 40 - seamless pipe 0.113" wall thickness 1.063" max. dia.
- 3. Plug 159A1176P001 SA182 - F304 1/4" Inick x 0.812" 00
- 4. Flange 919D810P001 (719E474) \$A182 - F304 3.37" thick x 9 5/8" OO
- 5. Base 137C5311P001 SA182 - F304 7/8" thick x 2.875" die.
- 8. Ring Flange 114B5122P002, P003 137C8151P001, P002 SA182 - F304 1" thick = 5.0" OO = 1.75" ID
- 7. Cap Screw 117C4516P002 SA193 - B6 6 ea. 1/2* dia. on 4 1/8* bolt circle
- 8. Plug 175A7961P001 SA182 - F304 0 38" thick # 1 307" dia
- 9 Not 137C5934P001 XM - 19 SA479 1 30" thick + 2 62" dia



20134543000

CORRECTED COPY

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401 (Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2. Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear compone
2. Identification-Certificate Holders's S/N of Part: A4638 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207 (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Clas
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenar as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is reincluded in the component Design Specification and Stress Report). DATE: 4/14,19 88 Signed GE-NEBG-NF&CM-QA By The Lambur (NPT Certificate Holder)
DATE: 4/14,19 88 Signed GE-NEBG-NF&CM-QA By Thillenmi
(NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file atGE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by BETTADAPUR SRUHAR Prof. Eng. State CALIF. Reg. No. 18345
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur-Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABO of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 5/5 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Purthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
4/15 ,19 88 ES Sherrill N.C. 723,PAWC1766, OHIO
Inspector's Signature National Board, State, Province and No

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS" (10/77)

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PORM N-2 NPT CERTIFICATE HOLDERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

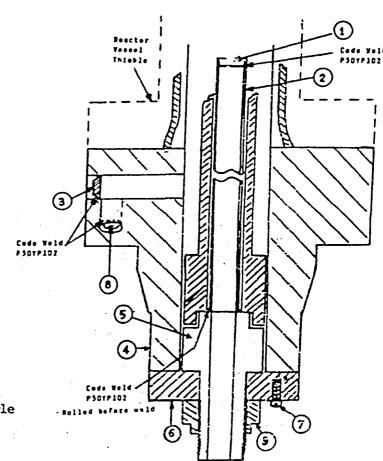
1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear componen
2. Identification-Certificate Holders's S/N of Part: A4638 Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: ONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1925 psi. min.
(Brief description of service for which component was designed)
CORRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
Chant 2 of 2

- 1. Cap 166B9274P1
 SA182-F316
 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1
 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159All76Pl SAl82-F304 1/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.

中心となるというとなるとは、おいてはないないのであるとなっては、あるとない

A STATE OF THE STATE OF

- 6. Ring Flange 137C8151P2 SA182-F304 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1
 X4-19 SA479
 1.30 think x 2.62 dia.



5022,0690

FORM 2-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES required by the Provision of the AEME Code Rules, Section III, Div. I

1. Namuratured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of EFT Certificate Bolder)
(Hane and Address of # Certificate Holder for completed nuclear component)
2. Dentification - Certificate Holder's S/N of Part : <u>A3841</u> Nat'l Bd. No. <u>N/A</u>
a) Constructed According to Drawing No: 768E534G008 Rev 9 Dag. Prepared by D. L. Peterson
(b) Description of Part Inspected: Control Rod Drive, Model # 78DB144FG005
(c) Applicable ASME Code: Section III . Edition 1974 . Addenda Data W75 . Case No. N207 1361-2 Class 1
3. REMARKS: <u>Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.</u> (Brief description of service for which component was designed)
Sheet 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
Date: 10/08/92 Signed GE-NEBG-NF & CM-OA By SC ON Representive)
Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPTN-1151
Certification of Design for Appurtenance
Design information on file atGE Company San Jose California
Stress analysis report on file atGE Company San Jose California
DC22A82S3 Rev. 1 Design specification certified by <u>Blom Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
Certification of Shop Inspection
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
Date 1992 Green Cher NC 1231, Ohlo, WC 3686 PA No 1231, Ohlo, WC 3686 PA Netional Board, State, Province And No

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

C/25/05

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASKE Code Rules, Section III, Div. I

1.	Manufactured & Certified by	: General Elec	ctric Company Nuclear Fu	el & Componenta Manufacturi	na (GENF&CM)
	***		Havne Road Wilmington		

(Fame and Address of MPT Cartificate Bolder)

- (b) Manufactured for : TVA Challanooca, Tarressee 37402-2127

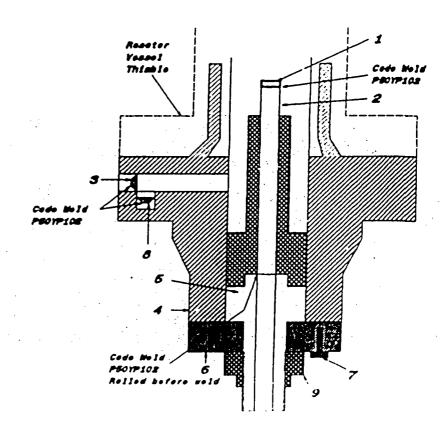
 (Same and Address of 8 Cartificate Solder for completed muclear component)
- 2. Identification Certificate Holder's S/N of Part : A3841 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 788534G008 Ray 9 Dag. Prepared by D. L. Palarson
- (b) Description of Part Inspected: Control Rod Drive Model # 7RDB144FG005
 - (c) Applicable ASNE Code: Section III . Edition 1974 . Addenda Date W75 . Case No. N207 1361-2 Class 1
- 3. REWRYS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.

 (Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 16689274P001 SA182 - P304 3/8" shick x 1 1/16" OO

- 2. Indicator Tube 16839313P001 SA312 - TP316 3/4' solt 40 - seamless pipe 0.113' well thickness 1.085' max. dis.
- 1. Plug 159A1176P001 SA182 - F304 1/4" thick x 0.812" 00
- 4. Flange \$190610P001 (719E474) \$A182 + F304 3.37" thick x \$ 5/8" OD
- 5. Base 137C5311F001 SA182 - F304 7/8" thick x 2.875" die.
- 6. Ring Flange 11485122P002, P003 137C8151P001, P002 SA182 - F304 1" thick x 5.0" OO x 1.75" ID
- 7. Cap Screw 117C4516P002 SA193 - 86 6 ea. 1/2" die. on 4 1/8" bolt circle
- 8. Plug 175A7961P001 SA182 - F304 0.38" thick x 1.307" dia.
- 9 Nut 137C5934P001 XM - 19 SA479 1 30" thick # 2 62" dia



CORRECTED COPY

2) 1 3 3 5 2 0 0 0

FORM N-2 NPT CERTIFICATE BOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear componer
2. Identification-Certificate Holders's S/N of Part: A5629 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed) CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenar as defined in the code conforms to the rules of construction of the ASME Code Section II (The applicable Designed Specification and Stress Report are not the responsibility of the N Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is reincluded in the component Design Specification and Stress Report).
DATE: 4/14, 19 88 Signed GE-NEBG-NF&OM-QA By Stoudenmee (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-115
CERTIFICATION OF DESIGN FOR APPURITNANCE
Design information on file atGE_COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A4912 Rev. 2
Stress analysis report certified by <u>BETTADAPUR SRDHAR</u> Prof. Eng. State <u>CALIF</u> . Reg. No. <u>18345</u>
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressur- Inspectors and/or the State or Province of NCRIH CAROLINA and employed by DEPARTMENT OF LABO of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in thi Partial Data Report on 4/2 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASM Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty expressed or implied, concerning the part described in the Partial Data Report. Purthermore neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
4/15 .1988 E. & Stervill N.C. 723, PAWC1766, OHIO
DATE // Inspector's Signature National Board, State, Province and No.
townstal charte in form of lists, slotches as describe may be used assembled (1) size in

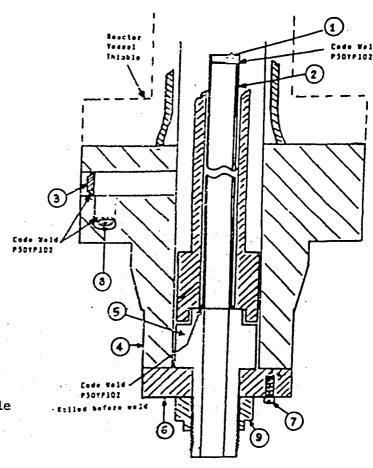
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSs" (10/77)

10/17

PORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NICLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Mar	nufactured	Certified by:	GE Company	, 2117 ca	stle Hayne	Rd., Wi	lmington, N.C.	28401
							tificate Holde	
(b)) Manufactu	red for:	BROWNS FEE	RY - 2,	Near Ath	ens, AL	35611	
		(Name and	Address of N	Certific	ite Holder	for com	pleted nuclear	component
2.·Ide	entification	n-Certificate H	olders's S/N	of Part:	A5629	 	_ Nat'l Bd. N.	N/A
(a)	Constructed	According to	Drawing No:_	768E534G0	06	Dwg. Pro	epared by D. L.	. Peterson
(b)	Description	of Part Inspe	cted: CONTR	OL ROD DRI	VE, MODEL	# 7RDB1		
(C)	Applicable	ASME Code: Sec	tion III,Edi	tion <u>1974</u> ,	Addenda I	ate W'7	N20 5 Case No. 136	
3. REMA	RKS: Stan	dard part for						min.
		(Brief desc	ription of se	ervice for	which con	ponent w	as designed;	
CORRECT	ED COPY: C	hanged Items 2	(a) and 2(b)	, Modifie	d from 768	E534G1 t	co G6 Drive.	
							Sheet	2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 OD
- 2. Indicator Tube 166B9313P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.
- 3. Plug 159All76Pl
 SAl82-F304
 l/4 thick x 0.812 OD
- 4. Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 OD
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.
- 6. Ring Flange 137C8151P2
 SA182-F304
 1* thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1 XM-19 SA479 1.30 thick x 2.62 dia.



(10.Y)

CORRECTED CUPY

PORM N-2 NPT CRATTFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES' As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(b) Manufactured for: BROWNS FERRY - 2. Near Athens. AL 35611
(Name and Address of N Certificate Holder for completed nuclear components)
2. Identification-Certificate Holders's S/N of Part: A4842 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peters
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
CORRECTED COPY: CHANGED ITEM 2(a) and 2(b), Modified from 768E534G1 to G6 Drive.
SHEET 1 of 2 We certify that the statements in this report are correct and this vessel part or appurtena
as defined in the code conforms to the rules of construction of the ASME Code Section I (The applicable Designed Specification and Stress Report are not the responsibility of the Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is included in the component Design Specification and Stress Report).
DATE: 4/15 ,19 88 Signed GE-NEBG-NF&CM-QA By Structurance (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-11:
CERTIFICATION OF DESIGN FOR APPURITENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis recort on file at GE COMPANY, SAN JOSE, CALIFORNIA DC22A6253 Rev. 0
Design specification certified by BUCRN HAABERG Prof. Eng. State CALIP. Reg. No. 15570 DC22A4912 Rev. 2 Stress analysis report certified by BETTADAPUR SRDHAR Prof. Eng. State CALIP. Reg. No. 18345
3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid examission by the National Board of Boiler and Pressur Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LAX of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in the Partial Data Report on 2/5 19 82 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the AS Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warrant expressed or implied, concerning the part described in the Partial Data Report. Furthermore neither the Inspector nor his employer shall be liable in any manner for any personal injurior property damages or a loss of any kind arising from or connected with this inspection. N.C. 723, PAWC1766, OHIO Inspector's Signature National Board, State, Province and I
Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSS".

(10/77)

10/17

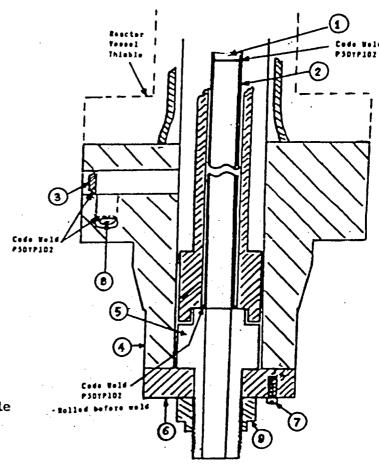
FORM N-2 NPT CERTIFICATE EXCEPTED DATA REPORT FOR NUCLEAR PART AND APPORTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28401
(Name and Address of NPT Certificate Holder)
(b) Manufactured for: BROWNS FERRY - 2, Near Athens, AL 35611
(Name and Address of N Certificate Holder for completed nuclear componer
2. Identification-Certificate Holders's S/N of Part: A4842 Nat'l Bd. N. N/A
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(a) Constructed According to Drawing No: 768E534G006 Dwg. Prepared by D. L. Peterso
(b) Description of Part Inspected: CONTROL ROD DRIVE, MODEL # 7RDB144FG002
N207
(C) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed;
OURRECTED COPY: Changed Items 2(a) and 2(b), Modified from 768E534Gl to G6 Drive.

Sheet 2 of 2

- 1. Cap 166B9274P1 SA182-F316 3/8 thick X 1 1/16 CD
- Indicator Tube 166B9313P1 SA312-TP316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl SA182-F304 1/4 thick x 0.812 OD
- Plange 919D610P1 (719E474)
 SA182-F304
 3.37 thick x 9 5/8 0D
- 5. Base 137C5311P1 XM-19 SA479 7/8 thick x 2.875 Dia.

- 6. Ring Flange 137C815iP2 SA182-F304 1" thick x 5.0 CD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-P304 0.38 thick x 1.307 dia.
- 9. Nut 137C5934P1 XM-19 SA479 1.30 thick x 2.62 dia.



(TVA)

FORM				PAIR/REPLACEME ASME Code Section		CTIVITY	
1. Owner Tennesse	e Valley Authority (TVA	١)	····	Date May 18, 2006			
1101 Mar	ket Street		_				
Chattano	oga, TN 37402-2801		<u></u>	Sheet 1 of	1		
2 Plant Proves F	Address	AI)	_	11-11 2			
	erry Nuclear Plant (BF	 	-	Unit 3	24000 00		
P. O. Box	2000, Decatur, AL 3 Address	5609-2000	_	Work Order (WO) 05-7: Repair/Replacement		on P.O. No . Job No . (etc
3. Work Performed by	TVA-BFN Name		_	Type Code Symbol Stamp N/A			
P. O. Box	2000, Decatur, AL 3	5609-2000	_	Authorization No. N/A			
	Address			Expiration Date N/A			
4. Identification of Syste	em System 001, Ma	in Steam System (A	ASME Code C	lass 2 equivalent)			
., .,	on XI Code Case(s)	or Repairs or Replac	ements 20	01 Edition, 2003 Addenda	· · · · · ·		ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	Code Stamped (Yes or No)
3B RFPT High Pressure	General Electric	N/A	N/A	3-FCV-001-0135	N/A	#	No
Steam Stop Valve	# Replaced valv	/e stem/plug assemb	lv and weld r	epaired steam cut on valve b	odv	<u> </u>	<u> </u>
stem/plug assembly	General Electric	N/A	N/A	3-FCV-001-0135	NA	Removed	No
stem/plug assembly	General Electric	N/A	N/A	3-FCV-001-0135	N/A	Installed	No
steam cut on valve body	General Electric	NA	N/A	3-FCV-001-0135	N/A	Corrected	No .
				·	·		
	-						
· · · · · · · · · · · · · · · · · · ·			ll_	<u> </u>			l

7.	Description of Work	Replaced valve stem/plug assembly.	Performed weld repair of steam cut on valve	body at gasket area.
8.	Tests Conducted:	Hydrostatic Pneumatic	Nominal Operating Pressure	Exempt
		Other T Pressure N/A	psi Test Temp. N/A °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.

^{*}as amended by additional quality assurance requirements found in Contract 1704/452 and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

WID: Work Order (WO) 05-721003-000
9. Remarks Replaced valve stem/plug assembly. Performed weld repair of steam cut on valve body at gasket area.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
· · · · · · · · · · · · · · · · · · ·
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Serumente di rialitati parie 1071
Signed State (1) (May), System Engineer Date (0-8, 2006)
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of
Connecticut have inspected the components described
in this Owner's Report during the period - 2-v , to b-1-v , 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
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.
Lat Flore Commissions TW4011
Inspector's Signature National Board, State, Province, and Endorsements
Date

BROWNS FERRY NUCLEAR PLANT

UNIT 2 CYCLE 13

ASME SECTION XI

NIS-2 OWNER'S REPORT

(Supplemental Report)

UNIT 2

Owner: TENNESSEE VALLEY AUTHORITY

1101 Market Street

Chattanooga, TN 37402-2801

Plant: Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, AL 35609-2000

Unit: Two

Certificate of Authorization:

Not Required

Commercial Service Date:

March 1, 1975

National Board Number for Unit:

Not Required

APPENDIX I

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

This appendix contains two NIS-2 reports addressing work performed on Unit 2 during the cycle 13 refueling outage in the spring of 2005.

One NIS-2 report covers work performed on the Control Rod Drive System (System 085). This report is a revision to an earlier report and it is being submitted to show three corrected serial numbers of components removed during that activity.

The other NIS-2 report covers the replacement of a snubber on the Residual Heat Removal System (System 074). The work originally planned for this support did not require a Section XI Repair/Replacement plan or an NIS-2 report however, during the job, a new snubber was installed and an NIS-2 report was not initially submitted.

Both of the issues above have been documented and are being tracked in TVA's Corrective Action Program. (Reference PERs 94047 and 96383)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

										
1.	Owner Tennessee	· Valley Authority (TVA)		_	Date	R1 Dec	ember	15, 2005	(R0 dated June	7, 2005)
	1101 Mark	ket Street								
	Chattanco	ga, TN 37402-2801		_	Sheet	1	of	4		
	- Onattanoo	Address			Cricci		- "			
2.	Plant Browns Fe	erry Nuclear Plant (BFN	1)		Unit	2				
		Name			Work (Order (WO) 04-7	20767-00	00,	
	P. O. Box	2000, Decatur, AL 35	509-2000	_	Design	Change N			8883A on P.O. No. Job No.	910
3.	Work Performed by				Type C	ode Symb			/A	EIG
	• •	Name	500 2000	_				·		
	F. O. Box	2000, Decatur, AL 350 Address	509-2000			ization No.		<u>`</u>		
					Expirat	tion Date	N/A		<u> · · · · · · · · · · · · · · · · · · </u>	
4.	Identification of Syste	m System 085, Cont	trol Rod Drive (CRD)) System (A	SME Code	e Class 1 e	equivale	ent)		
••				., -, -, -, -, -, -, -, -, -, -, -, -, -,				····,		
			•							
5. (a) Applicable Constr 	uction Code ASMES	ection III 19	74 Edition	, Winte	er 1975	Addend	la, <u> </u>	1207 1361-2	Code Case
,,	a) Applicable Edition	of Section XI Utilized for	r Popaire or Poplac	omonto 10	05 Edition	1006 744	ondo			
Ų	o) Applicable Edition	of Section At Othized to	nepairs of nepiac	-	55 Edition,	, 1990 Add	enua	_		
6.	Identification of Comp	onents								
		· · · · · · · · · · · · · · · · · · ·	-	 -					,	,
										ASME
										Code
	Name of	Nome of	Manufactura	National		O#b '		\ _{\/}	Corrected,	Stamped
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	lde	Other intification		Year Built	Removed, or Installed	(Yes or No)
	Component	Mandiacturei	Jenai No.	110.	iue	i i i i i i i i i i i i i i i i i i i		Built	mstalled	0.110)
Con	trol Rod Drive	General Electric	A4737	N/A	2-CRD	M-085-42-	15	1996	Removed	Yes
	hanism 42-15	Nuclear Energy						.000	,,,,,,,	
	trol Rod Drive	General Electric	A5417	N/A	2-CRD	M-085-42-	15	1992	Installed	Yes
	hanism 42-15 trol Rod Drive	Nuclear Energy General Electric	A5712	N/A	2-CBD	M-085-42-	47	1996	Removed	Yes
	hanism 42-47	Nuclear Energy	A3712	144	2-010	1111-005-42-	41	1990	nemoved	res
	trol Rod Drive	General Electric	A4176	N/A	2-CRD	M-085-42-	47	1992	Installed	Yes
Mec	hanism 42-47	Nuclear Energy	·							
	trol Rod Drive	General Electric	A5646	N/A	2-CRD	M-085-10-	39	1996	Removed	Yes
	hanism 10-39 Irol Rod Drive	Nuclear Energy General Electric	A8993	NA	2-CBD	M-085-10-	30	1992	Installed	Yes
	hanism 10-39	Nuclear Energy	70355	'*^	2-0/10	141-000-10-	J <i>J</i>	1992	Itistalieu	168
			entification of Comp	onents conti	nued on Pa	ige 2				1
7.	Description of Work	Replaced 20 Control R	ad Drivas (CBD) w	ith rafurhicha	A DWDIE C	PD ₀				
٠.	Description of work	neplaced 20 Control h	od Dilves (ChD) W	illi leiuibisile	U DVV IVO C	JNUS.				
8.	Tests Conducted: }	Hydrostatic P	neumatic	Nominal C	perating P	ressure D	ব	Exempt	П	
			·						_	
	C	Other Press	ure <u>N/A</u> ps	i Tes	t Temp.	N/A	°F	•		

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

FORM NIS-2 (Back)

9. Remarks Replaced 20 Control Rod Drives (CRD) with refurbished BWR/6 CRDs previously installed at BFN. Applicable Manufacturer's Data Reports to be attached
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Stash C, La Lilland , System Engineer Date 12-15 ,20 05
Owner or Owner's Designize. Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described
in this Owner's Report during the period 3-25-05 to 6-76-05 , 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.
0 0-110 Tal 4011
Saf 4 Lol Commissions TN 4011 Inductor's Signature Commissions National Board State Province, and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

· · · · · · · · · · · · · · · · · · ·	Valley Authority (TVA)		_	Date R1 December	15, 2005	R0 dated June 7	2005)
1101 Mar				<u>.</u>	_		
	oga. TN 37402-2801 Address		-	Sheet _2 of	_4	.	
2. Plant Browns Fo	erry Nuclear Plant_(BFN)		Unit _2			
	Name			Work Order (WO) 04-7	20767-00	0	
P. O. Box	2000 Decatur AL 356	509-2000	_	Design Change Notice	DCN) S18	3883A	
3. Work Performed by	Address TVA-BFN		_	Type Code Symbol Star		n P.O. No., Job No., e A	tc
P. O. Box		509-2000	-	Authorization NoN/	Α	· · · · · · · · · · · · · · · · · · ·	
	Address			Expiration Date N/A			
4. Identification of Syste	m System 085, Cont	rol Rod Drive Syste	m (ASME (Code Class 1 equivalent)			
	ruction Code <u>ASMES</u> n of Section XI Utilized for conents				nda, <u>N</u>	1207 1361-2 C	ode Case
			i		1	I	ASME
					1		Code
			National	_	1	Corrected,	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Removed, or	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	or No)
Control Rod Drive Mechanism 14-43	General Electric Nuclear Energy	A4702	N/A	2-CRDM-085-14-43	1996	Removed	Yes
Control Rod Drive	General Electric	A5322	N/A	2-CRDM-085-14-43	1992	Installed	Yes
Mechanism 14-43	Nuclear Energy	75522	'*^	2*CNDW-003*14-43	1992	HIStalled	163
Control Rod Drive	General Electric	A4141	N/A	2-CRDM-085-22-1	1996	Removed	Yes
Mechanism 22-11	Nuclear Energy				''''		
Control Rod Drive	General Electric	A4786	N/A	2-CRDM-085-22-1	1992	Installed	Yes
Mechanism 22-11	Nuclear Energy			·			
Control Rod Drive	General Electric	A4846	N/A	2-CRDM-085-22-43	1996	Removed	Yes
Mechanism 22-43	Nuclear Energy	10001		0.00014.005.00.40			
Control Rod Drive Mechanism 22-43	General Electric Nuclear Energy	A3924	N/A	2-CRDM-085-22-43	1992	Installed	Yes
Control Rod Drive	General Electric	A5553	N/A	2-CRDM-085-38-59	1996	Removed	Yes
Mechanism 38-59	Nuclear Energy	A3330	180	2-0110141-003-00-03	1330	Hemoved	163
Control Rod Drive	General Electric	A3976	N/A	2-CRDM-085-38-59	1992	Installed	Yes
Mechanism 38-59	Nuclear Energy						
Control Rod Drive	General Electric	A5660	N/A	2-CRDM-085-38-35	1996	Removed	Yes
Mechanism 38-35	Nuclear Energy			·			
Control Rod Drive	General Electric	, A5429	N/A	2-CRDM-085-38-35	1992	Installed	Yes
Mechanism 38-35	Nuclear Energy			d - Di - O	ll	<u>-</u>	
	· Id	entification of Comp	onents contir	nued on Page 3		·-·	
7. Description of Work	Replaced 20 Control R	od Drives (CRD) wi	th refurbished	BWR/6 CRDs.			
8. Tests Conducted:	Hydrostatic P	neumatic 🔲	Nominal O	perating Pressure	Exempt		
(Other Press	ure <u>N/A</u> psi	Tes	tTemp. N/A °F			

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

**		7707 000			
	Remarks	See back of sheet 1.		 	
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

1. Owner <u>Tennessee</u>	Valley Authority (TVA)		_	Date R1 December	5. 2005	R0 dated June 7	2005)
1101 Mark	Name et Street						
	a. TN 37402-2801			Sheet _3 of	4		
	Address	\	_	Unit 2			
2. Plant <u>Browns Fe</u>	rry Nuclear Plant (BFN Name	1	_			_	
D O D	2000 December Al 256	200 2000		Work Order (WO) 04-72 Design Change Notice (I			
	2000 Decatur AL 356 Address	009-2000	_	Repair/Replacement	Organizatio	n P.O. No . Job No . e	tc
Work Performed by _	TVA-BFN Name		_	Type Code Symbol Stam	ID _N/	Α	
P. O. Box 2		509-2000		Authorization NoN/A			
			•	Expiration DateN/A_			
Identification of System	n <u>System 085, Cont</u>	rol Rod Drive Syste	m (ASME)	Code Class 1 equivalent)			
5. (a) Applicable Constru	uction Code ASME S	ection III 19	74 Edition	, Winter 1975 Adden	da, N	N207 1361-2 C	ode Case
	of Section XI Utilized for	Repairs or Replace	ements 19	95, 1996 Addenda	_		
Identification of Comp.	onents						
							ASME
	!					!	Code
Name of	Name of	Manufacturer	National Board	Other	Year	Corrected, Removed, or	Stamped (Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	or No)
Control Rod Drive	General Electric	A4638	N/A	2-CRDM-085-46-11	1996	Removed	Yes
Mechanism 46-11	Nuclear Energy	A4030	'*^	2-CHDW-003-40-11	1550	Hemoved	163
Control Rod Drive	General Electric	A5155	N/A	2-CRDM-085-46-11	1992	Installed	Yes
Mechanism 46-11	Nuclear Energy		ll				
Control Rod Drive	General Electric	A4812	N/A	2-CRDM-085-50-35	1996	Removed	Yes
Mechanism 50-35	Nuclear Energy						
Control Rod Drive .	General Electric	A4447	N/A	2-CRDM-085-50-35	1992	Installed	Yes
Mechanism 50-35	Nuclear Energy General Electric	A5624	N/A	2-CRDM-085-54-43	1996	Removed	Yes
Control Rod Drive Mechanism 54-43	Nuclear Energy	A3024	IVA	2-ChDW-003-54-43	1990	Hemoved	168
Control Rod Drive	General Electric	A4820	N/A	2-CRDM-085-54-43	1992	Installed	Yes
Mechanism 54-43	Nuclear Energy						
Control Rod Drive	General Electric	A5629	N/A	2-CRDM-085-58-39	1996	Removed	Yes
Mechanism 58-39	Nuclear Energy						
Control Rod Drive	General Electric	A4790	N/A	2-CRDM-085-58-39	1992	Installed	Yes
Mechanism 58-39	Nuclear Energy General Electric	A4091	N/A	2-CRDM-085-02-27	1996	Removed	Yes
Control Rod Drive Mechanism 02-27	Nuclear Energy	A4091	IVA	2-UNDIVI-003-02-21	1996	Hemoved	Tes
Control Rod Drive	General Electric	A4376	N/A	2-CRDM-085-02-27	1992	Installed	Yes
Mechanism 02-27	Nuclear Energy	71.070					
	Id	entification of Comp	onents conti	nued on Page 4	·		
7. Description of Work	Replaced 20 Control R	ad Drives (CDD)	th refushions	4 BMB/6 CBDs	-		
7. Description of Work	nepiaced 20 Control R	or Dilves (CUD) M	ut teratorsue	G DITING ONUS.			
8. Tests Conducted: H	lydrostatic P	neumatic 🔲	Nominal C	perating Pressure	Exempt		
	other Press	sure N/A psi	i Tes	t Temp. N/A °F			
•							

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

VID. <u>04-72(</u>	3787-000		•		
Remarks	See back of sheet 1.			 	
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY SUPPLEMENTAL SHEET

	Valley Authority (TVA)		_	Date <u>R1 December</u>	15, 2005	(R0 dated June 7	2005)
1101 Mar			_				
Chattanoc	ga TN 37402-2801			Sheet <u>4</u> of	_4		
2. Plant Browns Fo	Address erry Nuclear Plant_(BFN)	_	Unit _2		·	
	Name			Work Order (WO) 04-7	20767-00	0	
P O Box	2000 Decatur AL 35	509-2000		_Design Change Notice (
	Address	303-2000	- '	Repair/Replacement	Organizatio	n P.O No . Job No . e	tc
Work Performed by	TVA-BFN Name		-	Type Code Symbol Stan	ער_ סר	A	
P. O. Box	2000 Decatur AL 35	509-2000	_	Authorization NoN/A	٠		
	Address			Expiration Date N/A			
4. Identification of Syste	m System 085, Con	trol Rod Drive Syste	m (ASME	Expiration Date <u>NA</u> Code Class 1 equivalent)			
5. (a) Applicable Const	ruction Code ASMES	ection III 19	74 Edition	, Winter 1975 Adder	nda. N	N207 1361-2 C	ode Case
	of Section XI Utilized fo						
6. Identification of Comp			da.				
	T		T				ASME
	1	}	1		}	}	Code
	1		National		İ	Corrected,	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Removed, or	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	Installed	or No)
Control Rod Drive	General Electric	A4307	N/A	2-CRDM-085-06-15	1996	Removed	Yes
Mechanism 06-15	Nuclear Energy	A4307) 'V^	2-0 HDW-003-00-13	1990	Nemoved	165
Control Rod Drive	General Electric	A3834	N/A	2-CRDM-085-06-15	1992	Installed	Yes
Mechanism 06-15	Nuclear Energy	70004	'*^	2-0110141-003-00-13	1332	ii isianou	163
Control Rod Drive	General Electric	A4688	N/A	2-CRDM-085-10-43	1996	Removed	Yes
Mechanism 10-43	Nuclear Energy	A4000	'*^	2-CHDIVI-003-10-43	1990	Herrioved	165
Control Rod Drive	General Electric	A5312	N/A	2-CRDM-085-10-43	1996	Installed	Yes
Mechanism 10-43	Nuclear Energy	. 73312	l '*^ l	2-01/DIVI-003-10-43	1550	IIISIallea	165
Control Rod Drive	General Electric	A3837	N/A	2-CRDM-085-22-07	1996	Removed	Yes
Mechanism 22-07	Nuclear Energy	A3637	'*^	2-ChDW-065-22-07	1990	nemoved	162
Control Rod Drive	General Electric	A3877	N/A	2-CRDM-085-22-07	1992	Installed	Yes
Mechanism 22-07	Nuclear Energy	A3011	1 180 1	2-ChbW-065-22-07	1992	Installed	162
Control Rod Drive	General Electric	A5234	NA	2-CRDM-085-26-07	1996	Removed	Yes
Mechanism 26-07	Nuclear Energy	A3234	'*^	2-CHDW-083-20-07	1990	nemoved	165
Control Rod Drive	General Electric	A3707	NA	2-CRDM-085-26-07	1992	Installed	Yes
Mechanism 26-07	Nuclear Energy	75/0/	'*^	2-ChDW-083-20-07	1992	installed	165
Control Rod Drive	General Electric	A4814	N/A	2-CRDM-085-30-35	1996	Removed	Yes
Mechanism 30-35	Nuclear Energy	74014	'*^	2-C/10/01-083-30-33	1930	nemoved	162
Control Rod Drive	General Electric	A5450	N/A	2-CRDM-085-30-35	1996	Installed	Yes
Mechanism 30-35	Nuclear Energy	7,0400	100	2-0112111 000-00-00	1330	mstaned	, 63
Control Rod Drive	General Electric	A4842	NA	2-CRDM-085-34-59	1996	Removed	Yes
Mechanism 34-59	Nuclear Energy			2 31.511. 333 54 33	1000	, icinoved	
Control Rod Drive	General Electric	A3987	NA	2-CRDM-085-34-59	1992	Installed	Yes
Mechanism 34-59	Nuclear Energy	, , , ,				1710101100	1,00
Control Rod Drive	General Electric	A5111	N/A	2-CRDM-085-46-51	1996	Removed	Yes
Mechanism 46-51	Nuclear Energy	1.5111				110111010	
Control Rod Drive	General Electric	A5036	N/A	2-CRDM-085-46-51	1992	Installed	Yes
Mechanism 46-51	Nuclear Energy	· · · · · · · · · · · · · · · · · · ·					
	·		·				
7. Description of Work	Replaced 20 Control R	od Drives (CRD) wi					
	-	neumatic	Nominal O	perating Pressure	Exempt		
C	Other Press	ure <u>NA</u> psi	Tes	t Temp. <u>N/A</u> °F			

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

D. <u>04-720</u>	707-000				
Remarks	See back of sheet 1.	 			
		 			
		 			
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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1.	Owner	Tennessee	e Valley Authority_(TVA) .	<u>. </u>	Date	February	3, 2006	5		
	,	1101 Mari	Name ket Street	¥**	_						
		Chattanoo	ga, TN 37402-2801	<u>-</u> .		Sheet	1	of	1		
			Address								
2.	Plant	Browns Fo	erry Nuclear Plant (BFN	1)		Unit	2				
		P. O. Box	2000, Decatur, AL 35	609-2000	_	Work C	orders (WO) 04-7	18361-0	000	
			Address				Repair/Replace	cement C	Yoanızatı	on P.O. No., Job No.,	etc
3.	Work Pe	rformed by	TVA-BFN Name			Type C	ode Symbol	Stamp	<u> </u>	/A	
		P. O. Box		609-2000	_	Authori	zation No.	N/A			
			Address			Expirati	on Date	N/A_			
4.	Identifica	tion of Syste	em System 074, Res	idual Heat Removal	(RHR) Syst	em (ASME	Code Clas	s 2 equ	ivalent)		
		•		*******						<u> </u>	
5. (a	a) Applie	cable Const	ruction Code USAS B	331,1.0	19	67 ° E	dition,	N/A	Adder	nda, N/A	Code Case
				····			· —		•		
(1	o) Applio	cable Edition	of Section XI Utilized for	r Repairs or Replac	ements 19	95 Edition,	1996 Adder	nda			
			4 4						-		
6.	Identifica	tion of Comp	ponents								
								Ţ			ASME
						İ				_	Code
	Name	e of	Name of	Manufacturer	National Board	ļ .	Other	1	Year	Corrected, Removed, or	Stamped (Yes
	Compo	nent	Manufacturer	Serial No.	No.	Ider	ntification	ļ	Built	Installed	or No)
	port (Snub	ber)	Bergen-Patterson	TVA serial #	N/A	2-SNU	B-074-5029	,	N/A	Removed	No
R-6 Sup	port (Snub	ber)	Bergen-Patterson	M0392 2500-3-1086	N/A	2-SNU	B-074-5029	,	N/A	Installed	No
R-6					ļ	 			-		
			,			ļ					
	. •						,				
		. 1				٠					
7	Desc-!-*	(\\/	Donland south as 111	a dika far like serie	anubba-						
٠.	Description	on of Work	Replaced snubber with	i a like for like new \$	snudder.						
В.	Tests Co.	nducted: I	Hydrostatic P	neumatic	Nominal (Operating Pr	essure \square	E	exempt	П	
			Other 🔯 ** Press	sure <u>N/A</u> ps	ı 16	st Temp	N/A °	°F	2	** - See Rer	narks
	NOTE: S	upplemental	Sheets in form of lists,	sketches, or drawing	js may be us	ed, provided	(1) size is (8½ in. :	X 11 in.,	, (2) information i	n 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.

^{*}as amended by additional quality assurance requirements found in P.O. 84-IP-0754 (ref. R40 060201 008) and Design Criteria BFN-50-7074 and BFN-50-C-7105.

FORM NIS-2 (Back)

Remarks _\	WO 04-718361-000 - (2		
The original sn	ubber (M0392) was remo	Applicable Manufacturer's Dived and tested as part of the 10 po	ata Recorts to be attached ercent sample per the snubber program.
The replaceme	nt snubber (2500-3-1086) is a new snubber and was functi	onally tested per 2-SI-4.6.H-2A prior to installation.
Reference PEF	3 96383.		
		<u> </u>	
		CERTIFICATE OF C	COMPLIANCE
			· · · · · · · · · · · · · · · · · · ·
certify that the	statements made in the i	report are correct and this conform	ns to the rules of the ASME Code, Section XI.
Type Code Sym	nbol Stamp N/A		
Cortificate of A	uthorization No. N/A	·	Expiration Date N/A
Jennicale of At	, TUTOTIZATION TOO.	141	
Signed 🏂	Tolas Cila	, System Engineer	Date 2→ 7 , 20 <u>O</u> (
	- Owner or Owne	et's Designee Little	
	·	CERTIFICATE OF INSER	VICE INSPECTION
I, the und	ersigned, holding a valid		Il Board of Boiler and Pressure Vessel Inspectors and the State
r Province of	Tennessee	and employed by Connecticut	HSB CT of have inspected the components described
this Owner's	Report during the period		
			ions and taken corrective measures described in this Owner's
		nts of the ASME Code, Section XI.	es any warranty, expressed or implied, concerning the
			Furthermore, neither the Inspector nor his employer shall be liable in
ny manner for a	any personal injury or pro	perty damage or a loss of any kind	arising from or connected with this inspection.
\cap			
X.	P Ilme	Commissions	TNHOW
	Inspector's Signature ·	Commissions	National Board State, Province, and Endorsements
	2/5		
)ate	<u>3/5</u> 20 <u>0</u>	6	