OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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.

ASME SECTION XI

INSERVICE INSPECTION SUMMARY REPORT

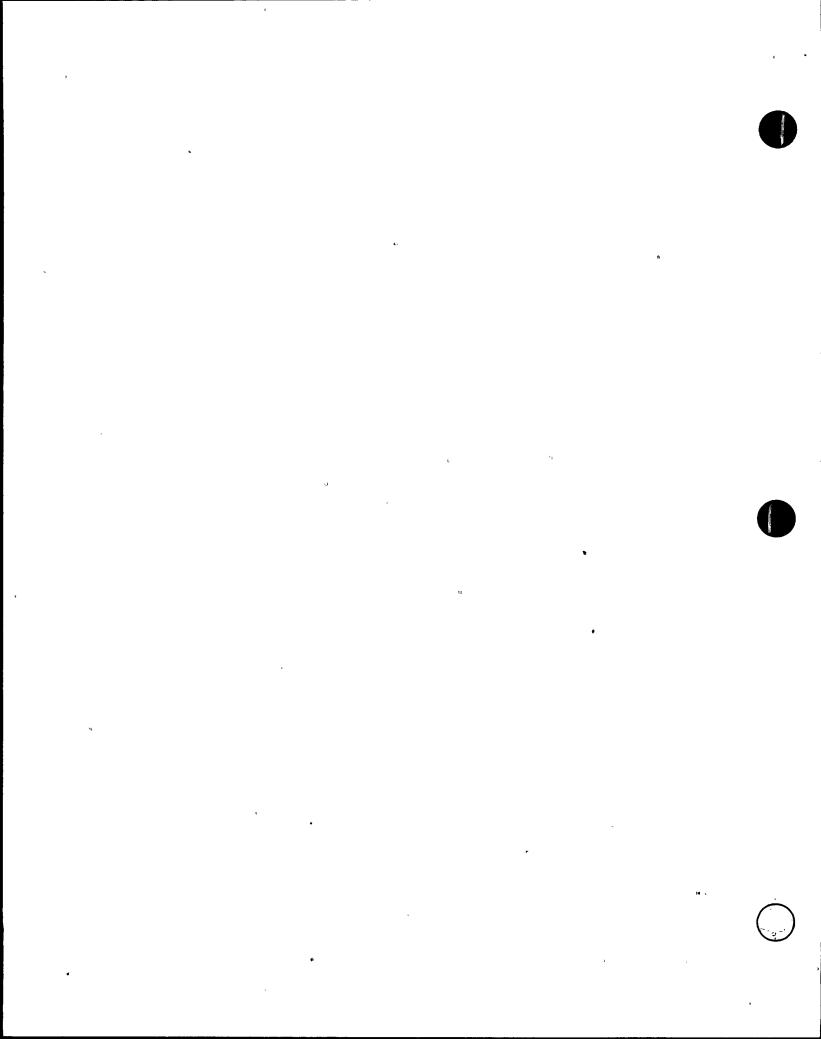
FOR

BROWNS FERRY NUCLEAR PLANT

UNIT 3 CYCLE 7

REFUELING OUTAGE

FEBRUARY 22 - MARCH 13, 1997



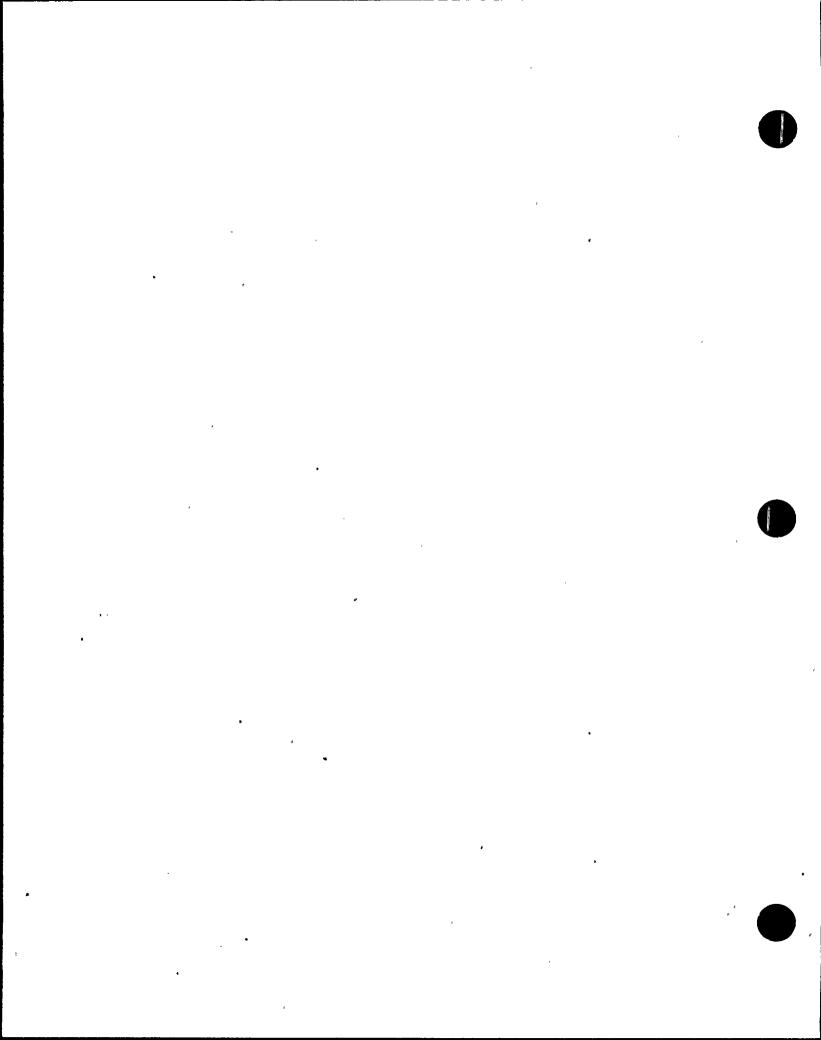
ENCLOSURE 1

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

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), SECTION XI INSERVICE INSPECTION (ISI), AND AUGMENTED EXAMINATIONS PROGRAM

SUMMARY REPORT (NIS-1) FOR CYCLE 7 OPERATION

(SEE ATTACHED)



OFFICE OF NUCLEAR POWER

P.O. BOX 2000 1101 MARKET STREET DECATUR, ALABAMA 35602

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

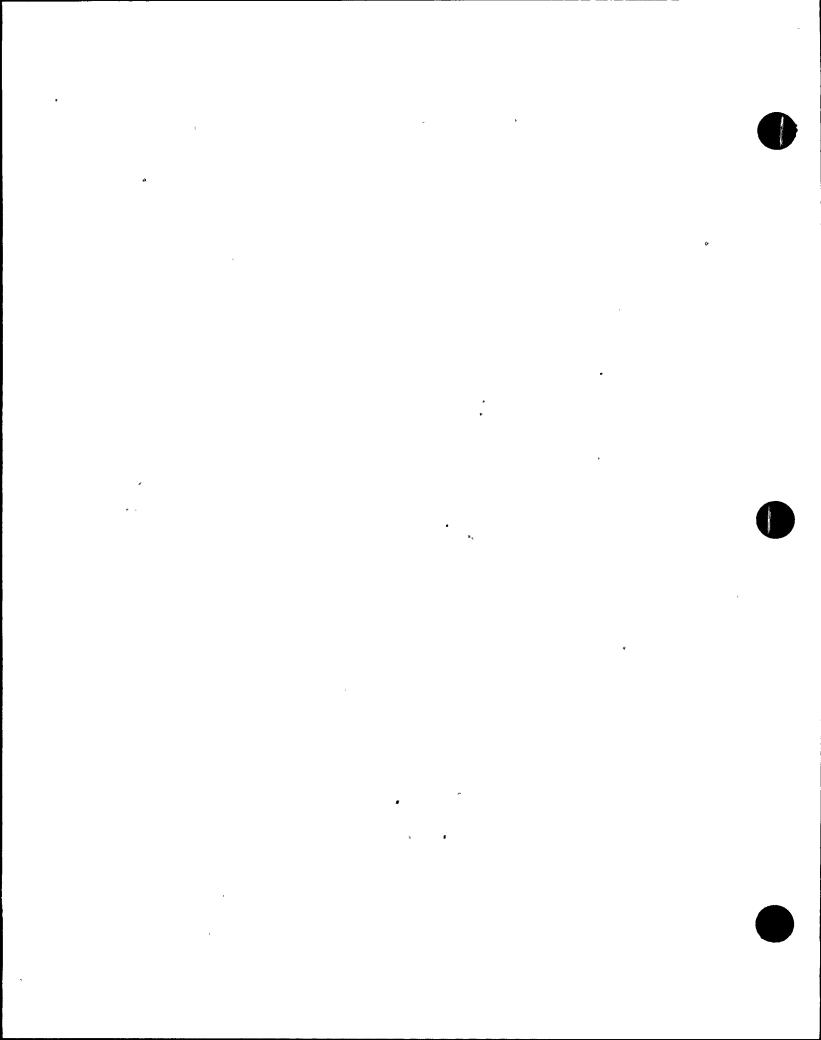
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 CYCLE 7

NIS-1

"OWNER'S REPORT FOR INSERVICE INSPECTION"

TABLE OF CONTENTS



OFFICE OF NUCLEAR POWER

P.O. BOX 2000

1101 MARKET STREET

DECATUR, ALABAMA 35602

CHATTANOOGA, TENNESSEE 37402

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

TABLE OF CONTENTS

FORM NIS-1 OWNER'S REPORT

SCOPE AND INTRODUCTION

SCOPE INTRODUCTION

ISI SUMMARY

EXAMINATION SUMMARY
ASME CODE CASES
UNIT 3 INTERVAL STATUS
SUCCESSIVE EXAMINATIONS
PERSONNEL AND EQUIPMENT CERTIFICATIONS

EXAMINATION LIMITATIONS / REQUEST FOR RELIEF

METHOD OF CALCULATION OF LIMITATIONS EXAMINATION LIMITATIONS EXAMINATIONS REQUIRING REQUEST FOR RELIEF

APPENDIX I EXAMINATION PLAN

KEY TO COMPUTERIZED DATA BASE TRACKING SYSTEM EXAMINATION PLAN OF CLASS 1 AND 2 COMPONENTS

APPENDIX II SUMMARY OF INDICATIONS

SUMMARY OF INDICATIONS ADDITIONAL SAMPLES

APPENDIX III AUGMENTED EXAMINATION SUMMARY

SECTION 1: AUGMENTED SUMMARY OF RPV

EXAMINATIONS

SECTION 2: EXAMINATION PLAN OF AUGMENTED

EXAMINATIONS DURING UNIT 3 CYCLE 7

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

P.O. BOX 2000

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PLANT: BROWNS FERRY NUCLEAR PLANT

CHATTANOOGA, TENNESSEE 37402

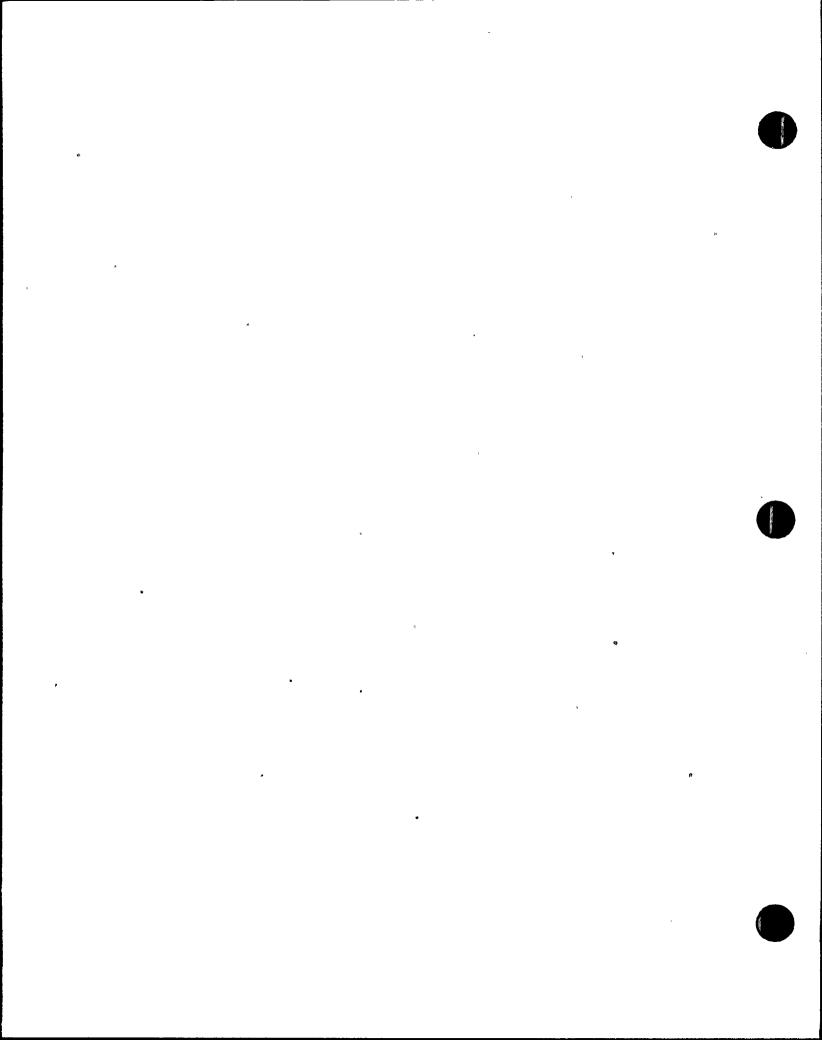
UNIT: THREE

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

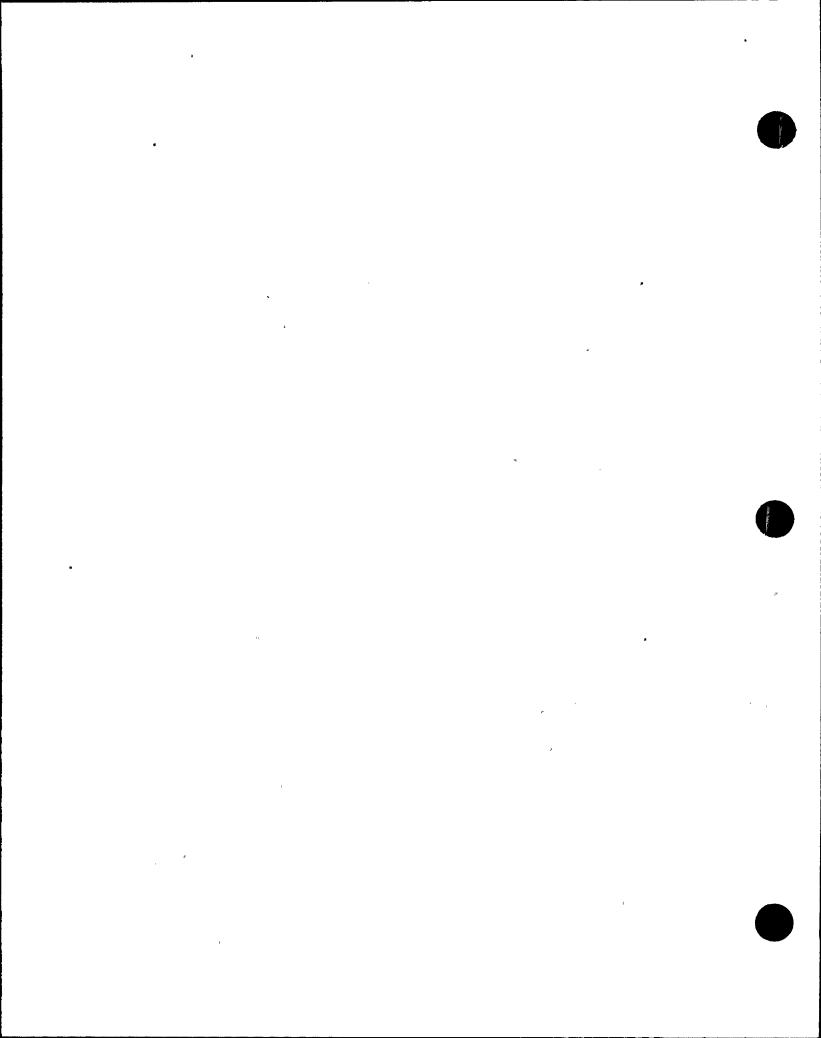
NIS-1 OWNER'S REPORT



FORM NIS-1 OWNERS' REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

1. Owner <u>Tennessee Valley Authority</u> , 1101 Market St. Chattanooga, TN. 37402 (Name and Address of Owner)						
2. Plant Browns Ferry Nuclear Plant, P.O. Box 2000 Decatur, AL. 35602 (Name and Address of Plant)						
3. Plant Unit 3	3. Plant Unit 3 4. Owner Certificate of Authorization Not Required					
5. Commercial Servi	ce Date <u>03/01/1977</u>	6. National Bo	oard Number for U	Init Not Require	<u>eđ</u>	
7. Components İnspe	ected:			·		
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.		
Reactor Pressure Vessel	General Electric	Contract No. 67C21-91750	<u>N/A</u>	<u>N/A</u>		
Various systems and components. (See Appendix I)	TVA		<u>N/A</u>	<u>N/A</u>		
The NIS-1 Owners Report for Inservice Inspections includes Appendices I, II, III						
			*	-		
	·					

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 11/19/96 to 3/13/97
- 9. Inspection Interval from 11/19/96 to 11/18/2005
- 10. Applicable Editions of Section XI 1989 Addenda N/A
- 11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See Appendix I, II. Examinations complete the first outage of the first period of the second inspection interval.
- 12. Abstract of Conditions Noted. . See Appendix II
- 13. Abstract of Corrective Measures Recommended and Taken. See Appendix II

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

Date May 9, 1997 Signed Tennessee Valley Authority
Owner

Certificate of Authorization No.

Not Applicable

Expiration Date Not Applicable

CERTIFICATE OF INSERVICE INSPECTION

I, The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Tennessee and employed by HSBI & I of Hartford, CT., have inspected the components described in this Owners' Report during the period 11/19/96 to 3/13/97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of the ASME Code Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' 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

National Board, State, Province and No.

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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UNIT: THREE

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Inservice Inspection Introduction Summary

In accordance with paragraph IWA-6220 of Section XI of the ASME Boiler and Pressure Vessel Code Section XI 1989 Edition, the following information is provided.

- 1. Date of document completion: May 9, 1997
- 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 35602

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

Browns Ferry Nuclear Plant, Unit 3.

5. Commercial operation date of unit:

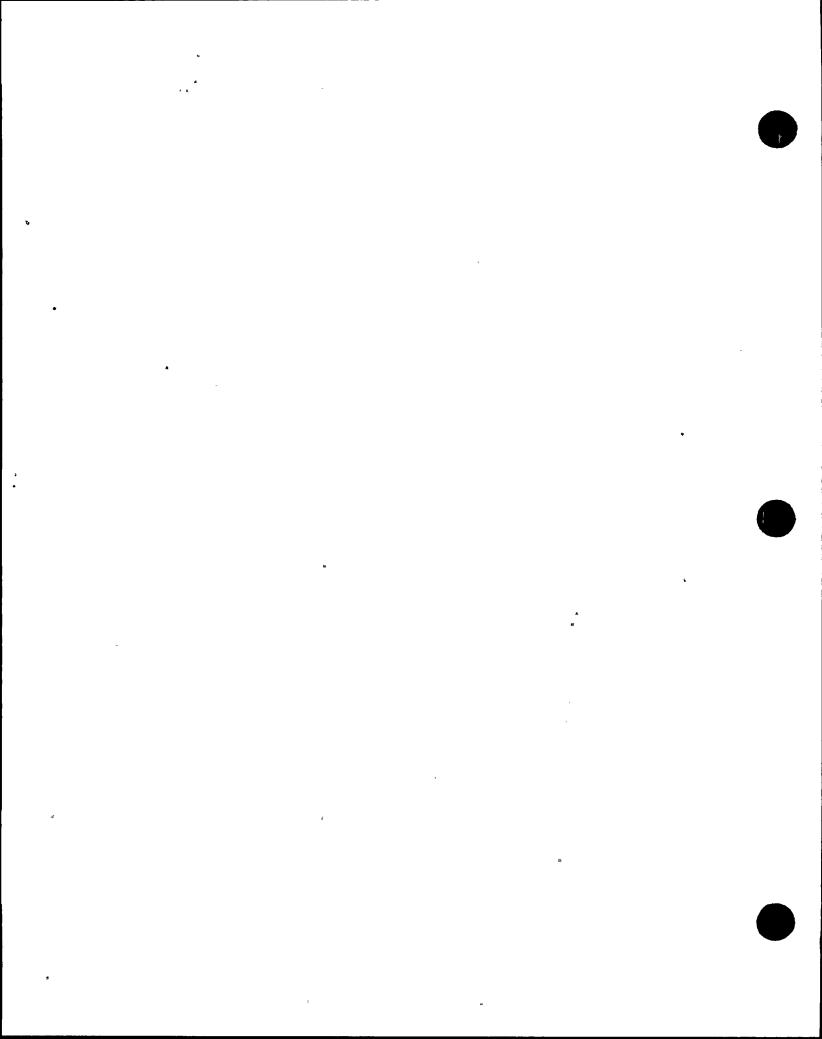
March 1, 1977

6. Numbers assigned to the components by the state:

No numbers assigned

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

No numbers assigned



OFFICE OF NUCLEAR POWER

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CHATTANOOGA, TENNESSEE 37402

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

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

The Class 1 and 2 components examined as part of this Inservice inspection are listed in Appendix I.

 Name and address of principal manufacturer and the principal contract which will identify the subcontractors/manufacturer's component identification numbers.

The majority of components examined were supplied by:

General Electric Corporation San Jose, Ca. Contract Number: 66C31-90744

- 10. Date of completion of the examinations:
 March 13, 1997
- 11. Name of ANII who witnessed or otherwise verified the examinations and his employer and business address:

Albert L. Ladd, and Charles E. Metcalf.
The Hartford Steam Boiler Inspection and Insurance Company
200 Ashford Center North, Suite 300
Atlanta, Georgia 30338

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

See NIS-1 Owners Report and appendices I, II, and III

13. Signature of ANII:

See NIS-1 form.

OFFICE OF NUCLEAR POWER

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UNIT:

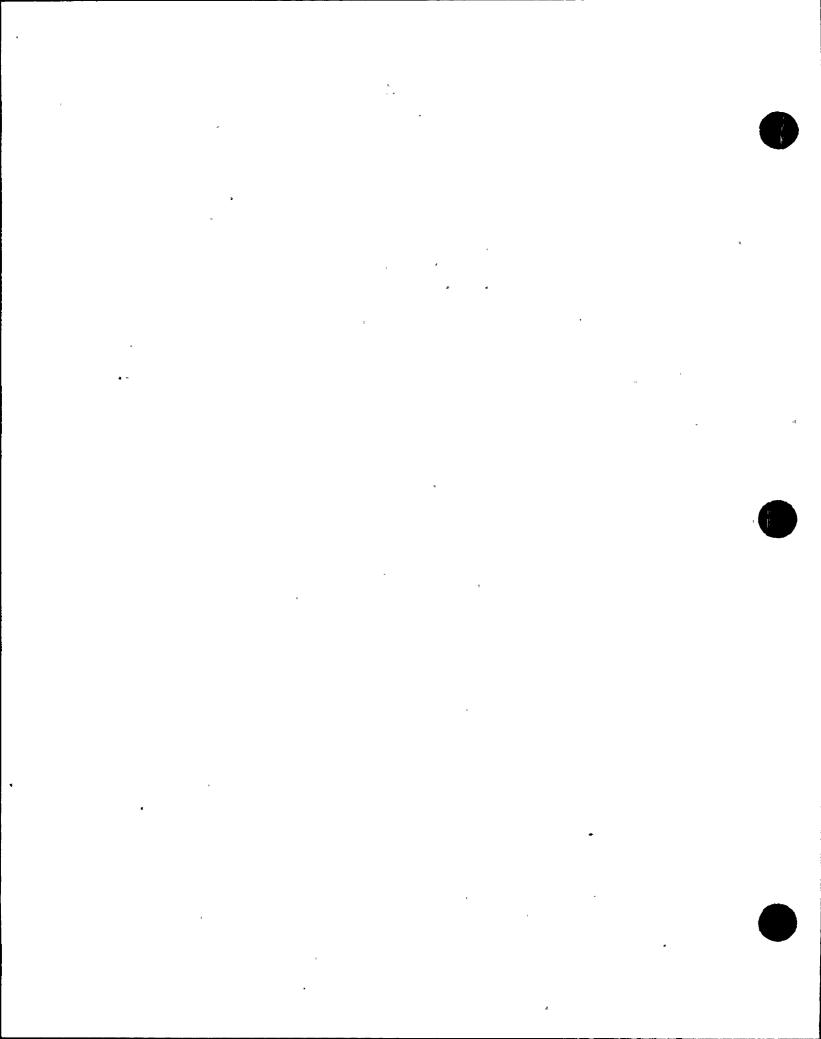
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COMMERCIAL SERVICE DATE: MARCH 1, 1977

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SCOPE AND INTRODUCTION



OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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CHATTANOOGA, TENNESSEE 37402

UNIT:

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CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Scope:

The scope of this appendix is to provide an overview of the Inservice inspections performed during the Unit 3 Cycle 7 outage on Class 1 and 2 components for ASME Section XI Code credit.

Introduction:

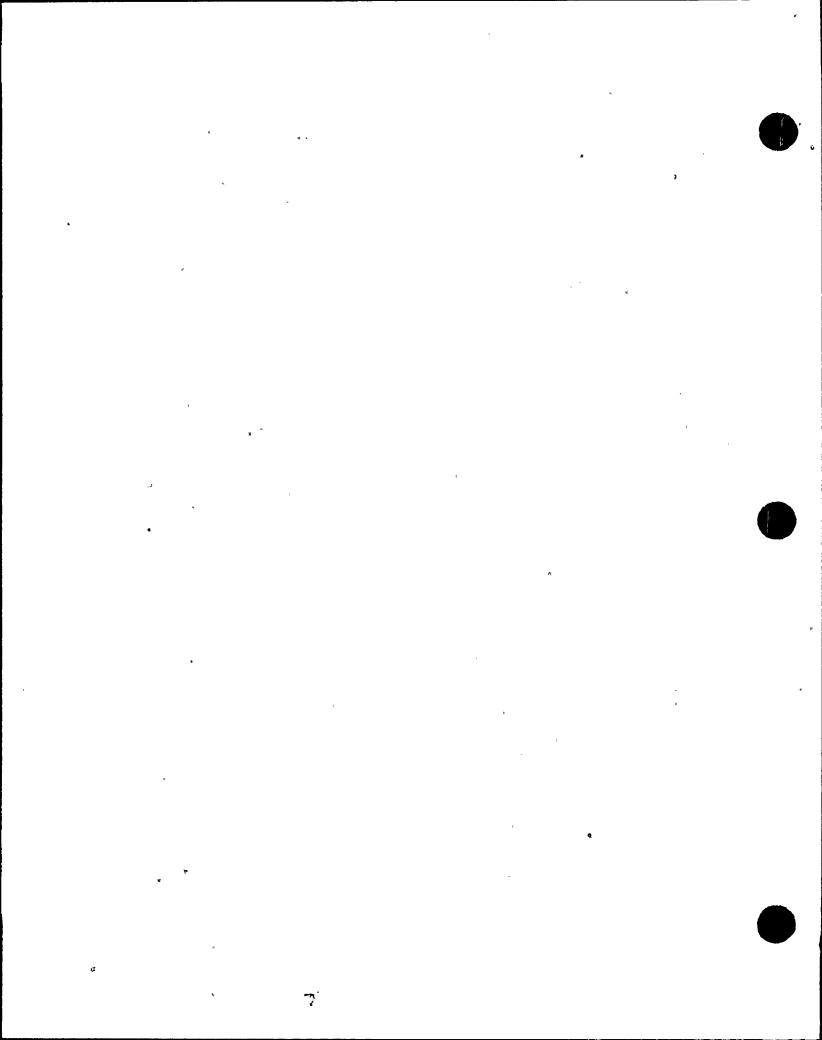
The examinations were performed during the Unit 3 Cycle 7 outage in accordance with implementing plant surveillance instruction 3-SI-4.6.G "Inservice Inspection Program Unit 3". 3-SI-4.6.G is organized to comply with the ISI NDE requirements of the 1989 Edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Division 1, No Addenda, 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 Specifications, Unit 3, Surveillance Requirement 4.6.G.; and to fulfill the requirements of SSP-6.10, ASME Section XI Inservice Inspection Program.

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. This SI specifies the methods to be used and provides schedule tables from which specific items were scheduled for examination during this outage. Examinations were witnessed or verified by an Authorized Nuclear Inservice Inspector (ANII) and performed in accordance with the ASME Boiler and Pressure Vessel Code, Section XI.

The majority of examinations were performed by TVA Engineering and Technical Services, Inspection Services Organization (ISO) of Chattanooga under the direction of Browns Ferry Component Engineering Section. Augmentation of personnel was provided by ABB Combustion Engineering Nuclear Power NDE Services, General Electric Nuclear Energy (GE), General Technical Services (GTS), and MQS Corporation.

An overview of ISI activities consists of the following:

- . ASME Section XI Class 1 and 2 components, piping, supports, and integral attachment examinations
- . ASME Section XI Reactor Pressure Vessel nozzle, studs, nuts, ligaments, washers and bushing Examinations
- . Augmented Examinations (IGSCC, IVVI, RV Shroud, etc.)



OFFICE OF NUCLEAR POWER P.O. BOX 2000

1101 MARKET STREET DECATUR, ALABAMA 35602

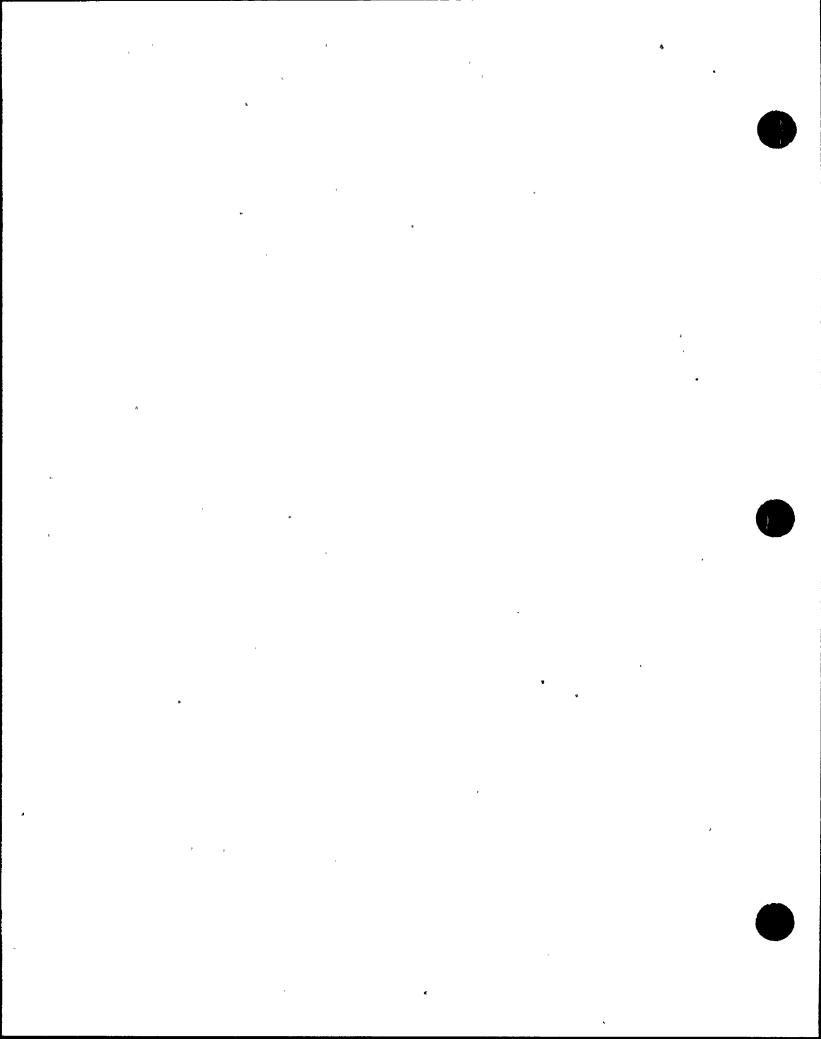
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS AND REOUEST FOR RELIEF



OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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DECATUR, ALABAMA 35602

UNIT: THREE

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

METHOD OF CALCULATION OF LIMITATIONS

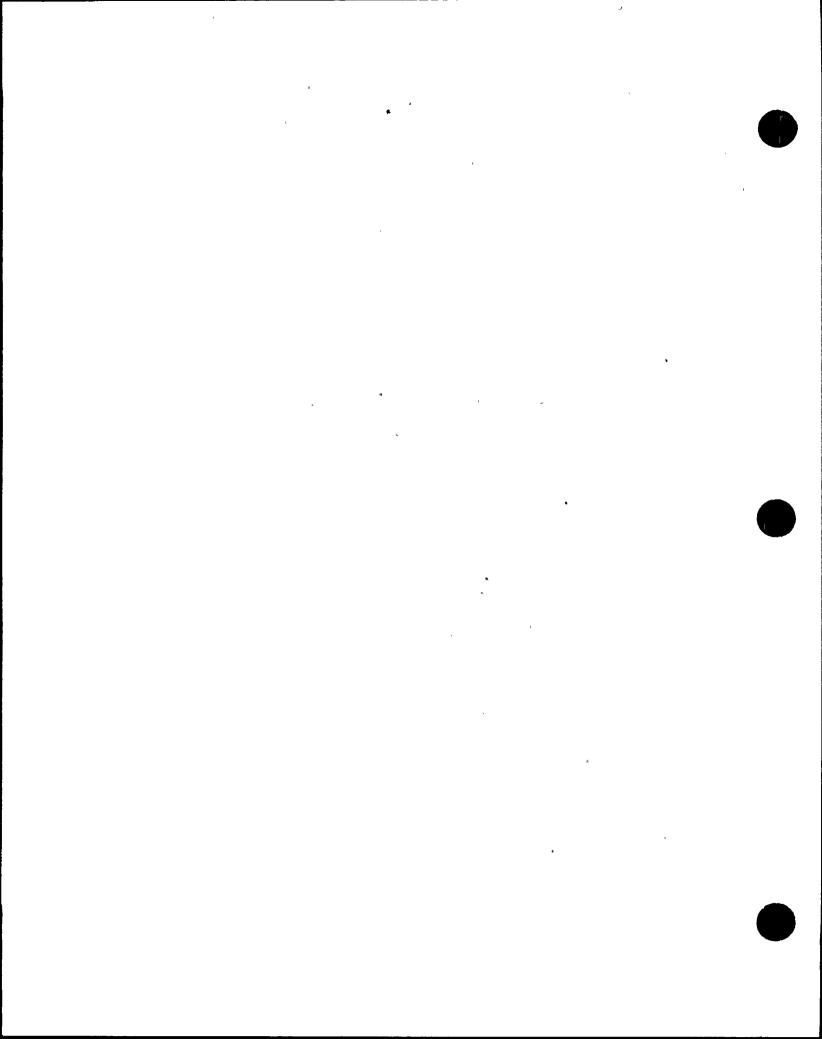
During the performance of Inservice Inspections, the ASME Section XI Code 1989 Edition, no addenda, requires the determination of the ultrasonic examination volume to establish the required beam path angles needed to maximize coverage and verify technique parameters. This information is necessary in those instances where there may be a reduction in the examination volume.

Surface examinations 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. 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 1/2-inch of base material on each side of the weld.

Paragraph IWA-2232 of the Code requires that the ultrasonic examination of piping systems be conducted in accordance with Appendix III of the Code. This same paragraph requires that the ultrasonic examination of nozzle-to-vessel welds be conducted in accordance with Article 4 of ASME Section V 1989, Edition. Appendix III and Article 4 define, in part, the applicable examination methods (e.g. examination angles, scan diréctions) to be used during examination. Paragraphs IWA-2221 and IWA-2222 of the Code require that surface examinations be conducted in accordance with Article 6 or 7, as applicable, of ASME Section V 1989 Edition.

TVA developed procedure N-GP-28 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 Code Case N-460 applicability.



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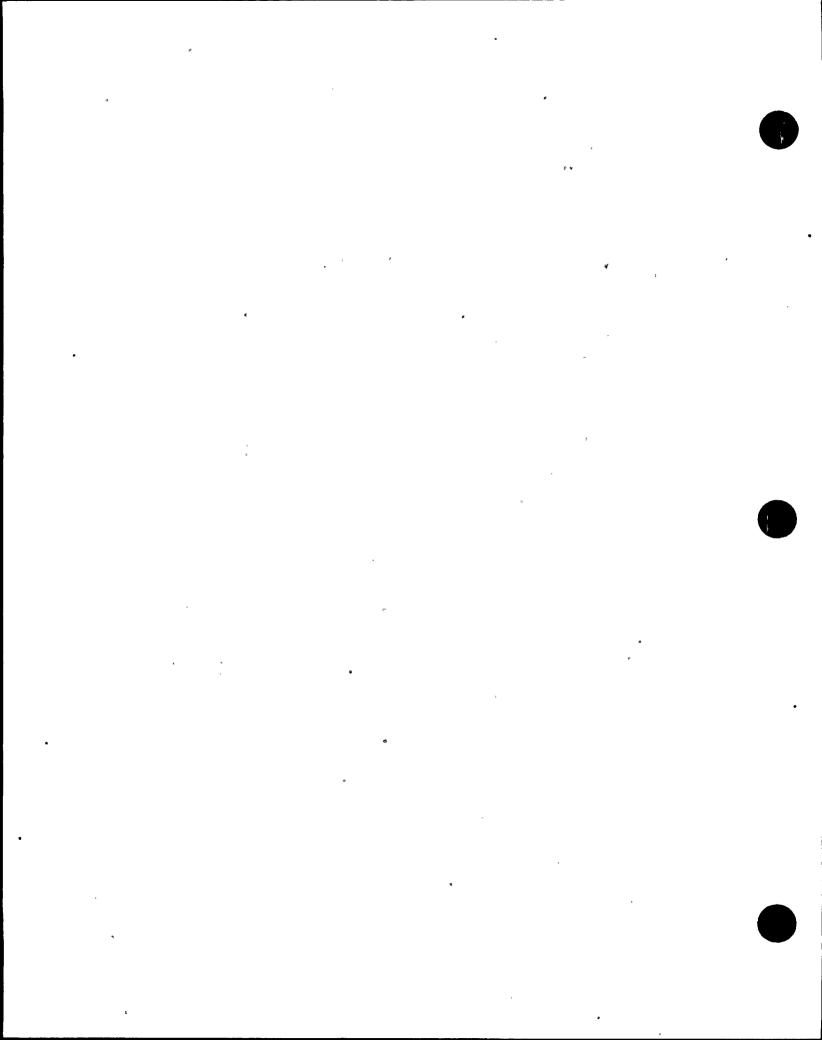
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3 Cycle 7 Inservice Inspection are listed below.

The following items/components had less than 100% Code coverage achieved and TVA elected to use Code Case N-460 which states that when the entire examination volume or area cannot be examined due to interference by another component or part geometry, a reduction in examination coverage for Class 1 or Class 2 welds may be accepted provided the reduction in coverage for that weld is less than 10%.

<u>SYSTEM</u>	COMPONENT ID	METHOD	COVERAGE CALCULATED	REPORT NO.
FW	GFW-3-01	UT	98.0%	R-222
MS	DMS-3-09	\mathbf{vr}	98.3%	R-194
RHR	3-47B452-1400-IA	MT	90.9%	R-007
RHR	3-47B452-1543-IA	MT	90.9%	R-012
RHR	3-47B452-1545-IA	MT	97.6%	R-017
RHR	TRHR-3-333	UT	95.0%	R-021
RHR	RHRG-3-07B	UT	95.0%	R-038
RHR	3-47B452-1444-IA	MT	90.9%	R-047
RHR	3-47B452-1389-IA	MT	92.2%	R-049
RHR	3-47B452-1383-IA	MT	90.7%	R-050
RHR	TRHR-3-374	MT	98.0%	R-052
RHR	TRHR-3-374	UT	98.0%	R-053
CRD	TCRD-3-013	MT	97.5%	R-091
RPV .	RWR-3-003-G001	UT	97.0%	R-188
RPV °	RCH-3-2V	UT	97.3%	R-228
RPV	RCH-3-1V	UT	90.03%	R-233
RPV	N6A-IR	UT	90.3%	R-243



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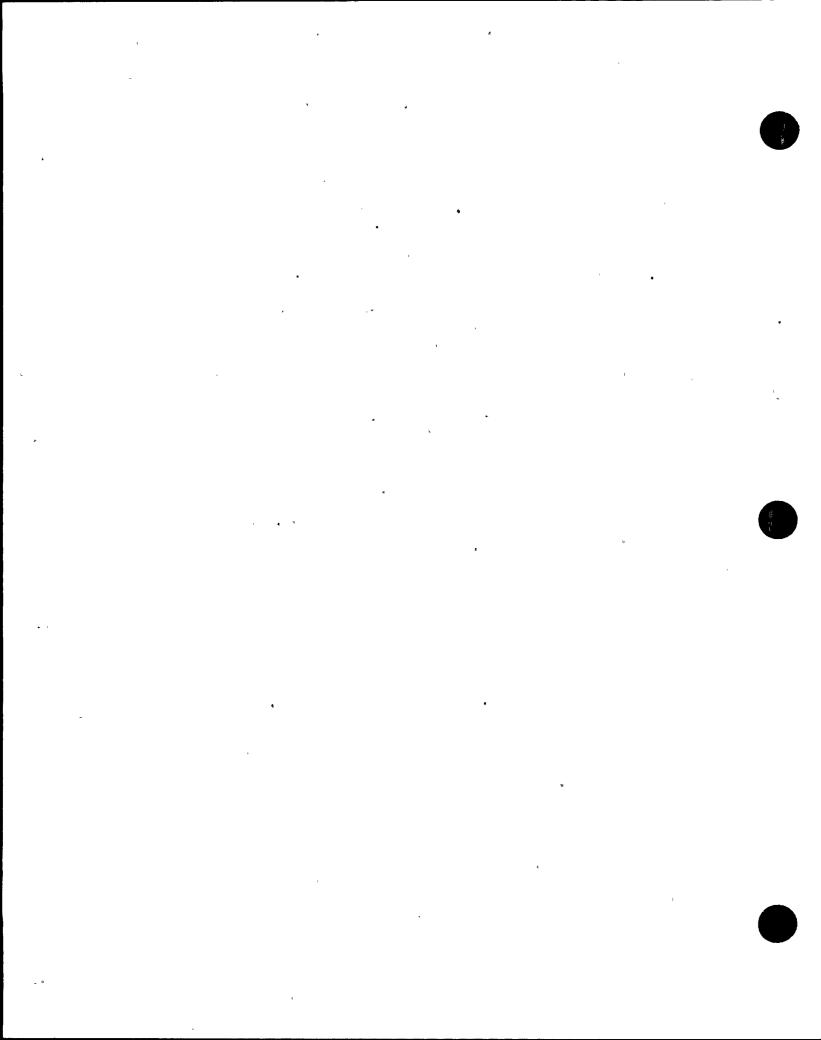
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EXAMINATION LIMITATIONS:

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The following items/components had less than 100% Code coverage achieved and TVA elected to use Code Case N-460 which states that when the entire examination volume or area cannot be examined due to interference by another component or part geometry, a reduction in examination coverage for Class 1 or Class 2 welds may be accepted provided the reduction in coverage for that weld is less than 10%.

<u>SYSTEM</u>	COMPONENT ID	METHOD	COVERAGE CALCULATED	REPORT NO.
FW	GFW-3-01	UT	98.0%	R-222
MS	DMS-3-09	UT	98.3%	R-194
RHR	3-47B452-1400-IA	MT	90.9%	R-007
RHR	3-47B452-1543-IA	MT	. 90.9%	R-012
RHR	3-47B452-1545-IA	MT	97.6%	R-017
RHR	TRHR-3-333	UT	95.0%	R-021
RHR .	RHRG-3-07B	UT	95.0%	R-038
RHR	3-47B452-1444-IA	· MT	90.9%	R-047
RHR	3-47B452-1389-IA	MT	92.2%	R-049
RHR	3-47B452-1383-IA	MT	90.7%	R-050
RHR	TRHR-3-374	MT	98.0%	R-052
RHR	TRHR-3-374	UT	98.0%	R-053
CRD	TCRD-3-013	UT	97.5%	R-091
RPV	RWR-3-003-G001	UT	97.0%	R-188
RPV	RCH-3-2V	UT	97.3%	R-228
RPV	RCH-3-1V	UT	90.03%	R-233
RPV	N6A-IR	UT	90.3%	R-243



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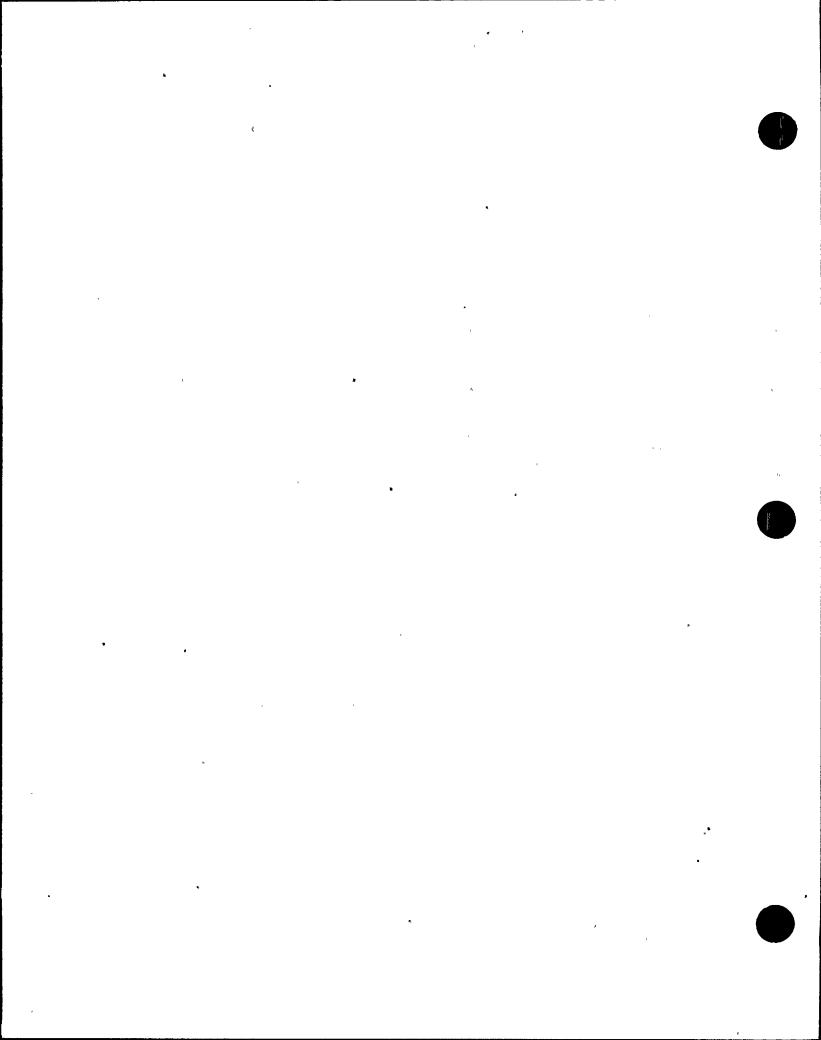
COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATIONS REQUIRING REQUEST FOR RELIEF

The following items/components had examination limitations on NDE examinations outside those specified in Code Case N-460. 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.

SYSTEM	COMPONENT ID	CODE CAT.	CALCULATED COVERAGE	EXAM METHOD	REPORT NUMBER	RFR NO.
RHRS	RHR-3-H-146-IA	C-C	88.8 %	MT	R-0013	3-ISI-4
RHRS	3-47B452-1385-IA	C-C	89.4 %	MT	R-0048	3-ISI-4
RHRS	3-47B452-1451-IA	C-C	85.2 %	MT	R-0018	3-ISI-4
RPV	N6A	B-D	51.4 %	UT	R-0247	3-ISI-7



OFFICE OF NUCLEAR POWER P.O. BOX 2000

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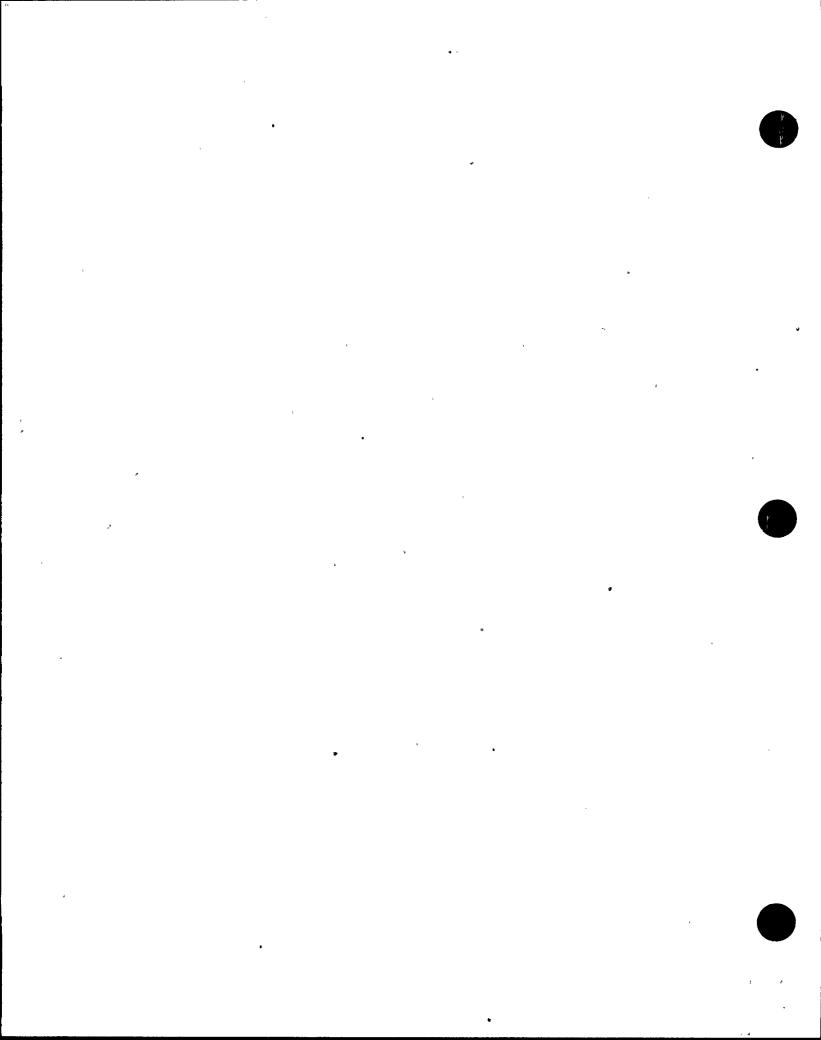
CHATTANOOGA, TENNESSEE 37402

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

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ISI SUMMARY



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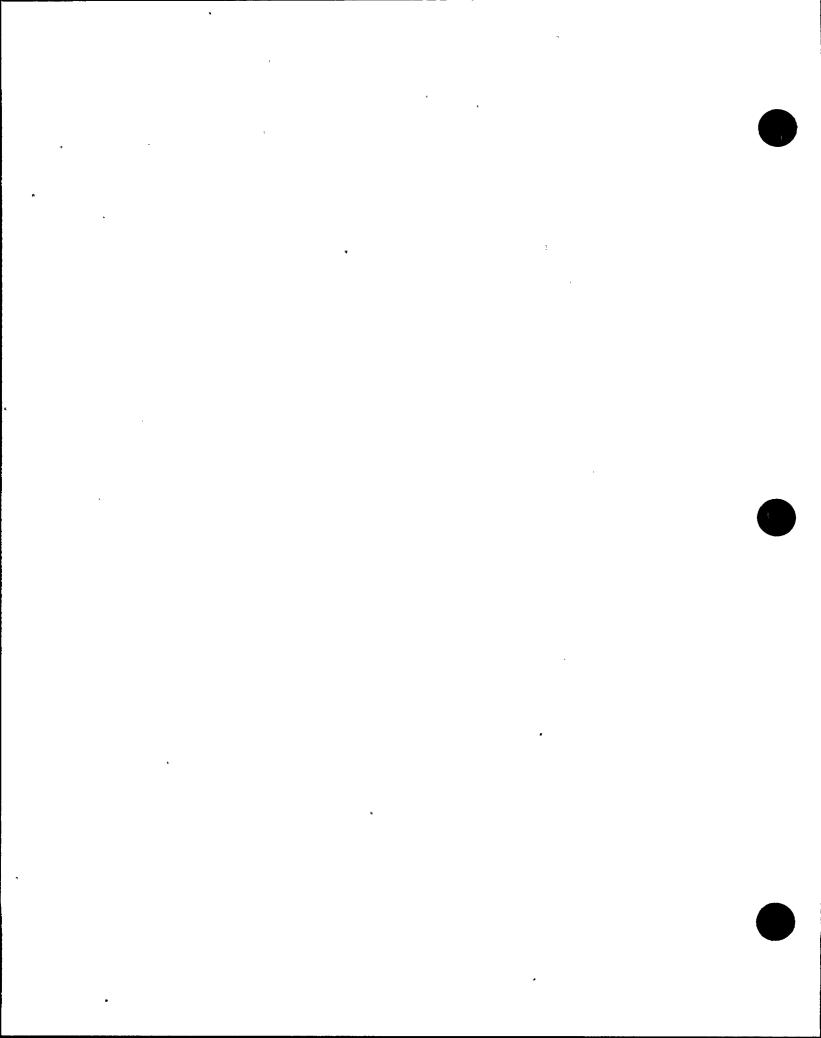
COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

Examination Summary:

The Unit 3 Cycle 7 Inservice Inspection (ISI) was the first scheduled refueling outage during the first inspection period of the second ASME Section XI 10-year inspection interval. A total of 149 visual, 119 ultrasonic, 18 liquid penetrant, and 93 magnetic particle examinations were performed in support of code credit components, including additional samples and reexaminations (see Appendix I, Examination Plan).

Other examinations were performed in accordance with BFN's augmented inspection program and are included in Appendix III for information. A total of 26 visual, and 61 ultrasonic examinations were performed in accordance with the augmented program. Other examinations included In-vessel Visual Inspection (IVVI) on Unit 3 RPV internals, ultrasonic examination on the CRD Return Line Reroute (NUREG 0619), ultrasonic inspection of the RPV core shroud and ultrasonic examination of piping welds for IGSCC.



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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ASME Code Cases

The following code cases were utilized for Inservice Inspection during the Unit 3 Cycle 7 outage:

N-307-1	Revised Ultrasonic Examination Volume for Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted From the Center-Drilled Hole, Section XI, Division 1
N-435-1	Alternative Examinations Requirements for Vessels With Wall Thickness 2 in. or Less, Section XI, Division 1
N-457	Qualification Specimen Notch Location for Ultrasonic Examination of Bolts and Studs, Section XI, Division 1.
N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1
N-461	Alternative Rules for Piping Calibration Block Thickness, Section XI, Division 1
N-491	Alternative Rules for Examination of Class 1, 2, 3, and MC Component Supports of Light-Water Cooled Power Plants, Section XI, Division 1.
N-503	Limited Certification of Nondestructive Examination Personnel, Section XI, Division 1
N-524	Alternate Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping - Section XI, Division 1(submitted to NRC for approval and use at BFN Unit 3 in accordance with 10CFR50.55a(a)(3))

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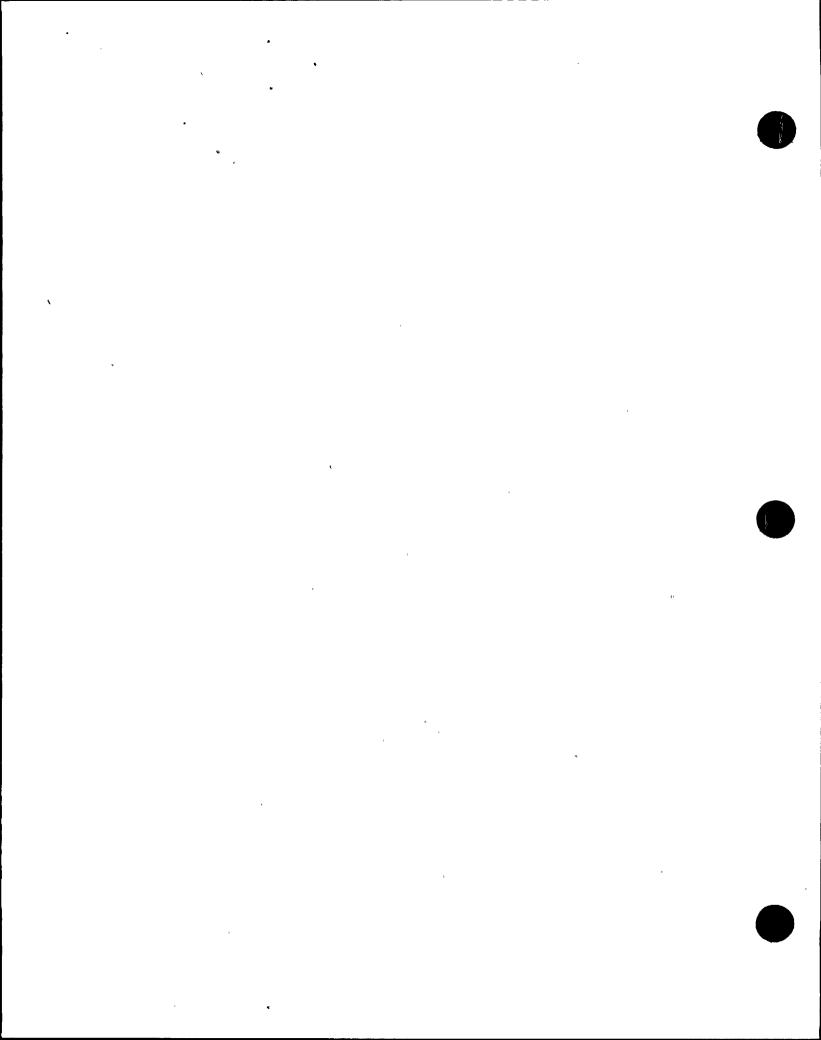
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 INTERVAL STATUS

The BFN Unit 3 Cycle 7 ISI examinations were performed during the first outage of the first period of the second interval. The component quantities examined were determined from 3-SI-4.6.G, Table A (Unit 3 Class 1, 2, and 3 components) and from applicable BFN Unit 3 relief requests. This NIS-1 report covers the Cycle 7 outage for Browns Ferry Unit 3. The following table summarizes the percentage of Code required examinations completed to date:

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

CATEGORY	% COMPLETE	COMMENTS
B-A	33 %	Required and not deferred
B-B	N/A	
B-D	3 %	
B-E	0 %	Deferred to system hydro
B-F	18 %	
B-G-1	33 %	
B-G-2	13%	
В-Н	0 %	
B-J,	21 %	
B-K-1	22 %	
B-L-1	N/A	
B-L-2	0%	
B-M-1	N/A	
B-M-2	34 %	
B-N-1	0 %	
B-N-2	0 %	Deferral permissible
B-O	0 %	Deferral permissible
B-P	*	Refer to pressure test program
B-Q	N/A	
C-A	33 %	
C-B	0%	
C-C	19 %	
C-D	N/A	
C-F-1	15 %	
C-F-2	33 %	
C-G	N/A	
С-Н	*	Refer to pressure test program
D-B	30 %	
D-C	100 %	
F-A	26 %	



OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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.

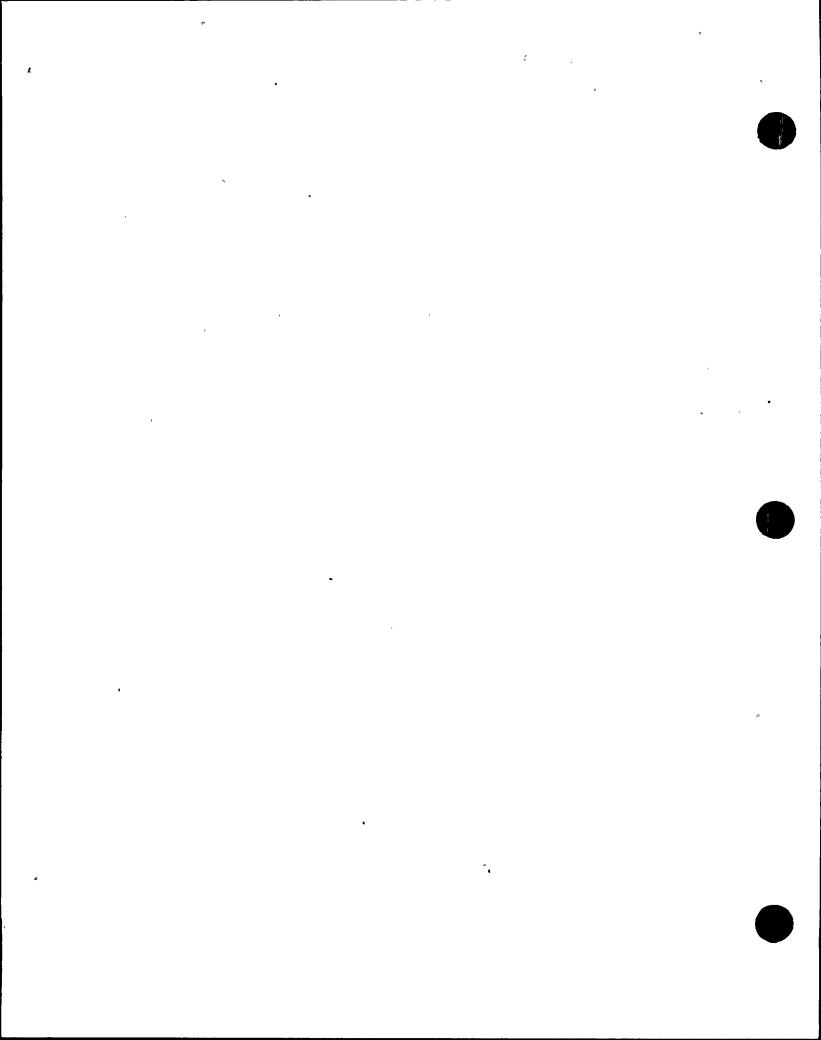
SUCCESSIVE EXAMINATIONS

No ASME, Section XI code required successive examinations were performed in the Unit 3 Cycle 7 refueling outage.

PERSONNEL/EQUIPMENT CERTIFICATIONS:

NDE personnel certification records for TVA and contractor employees are maintained by the 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 Inspection Services Organization at the Sequoyah Training Center in Soddy-Daisy, Tennessee at telephone number (423) 843-4026.

NDE equipment certification records are maintained by the Inspection Services Organization (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 (423)843-4026.



OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

P.O. BOX 2000

DECATUR, ALABAMA 35602

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE

CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX I EXAMINATION PLAN

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

P.O. BOX 2000 **DECATUR, ALABAMA 35602**

PLANT: BROWNS FERRY NUCLEAR PLANT

CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

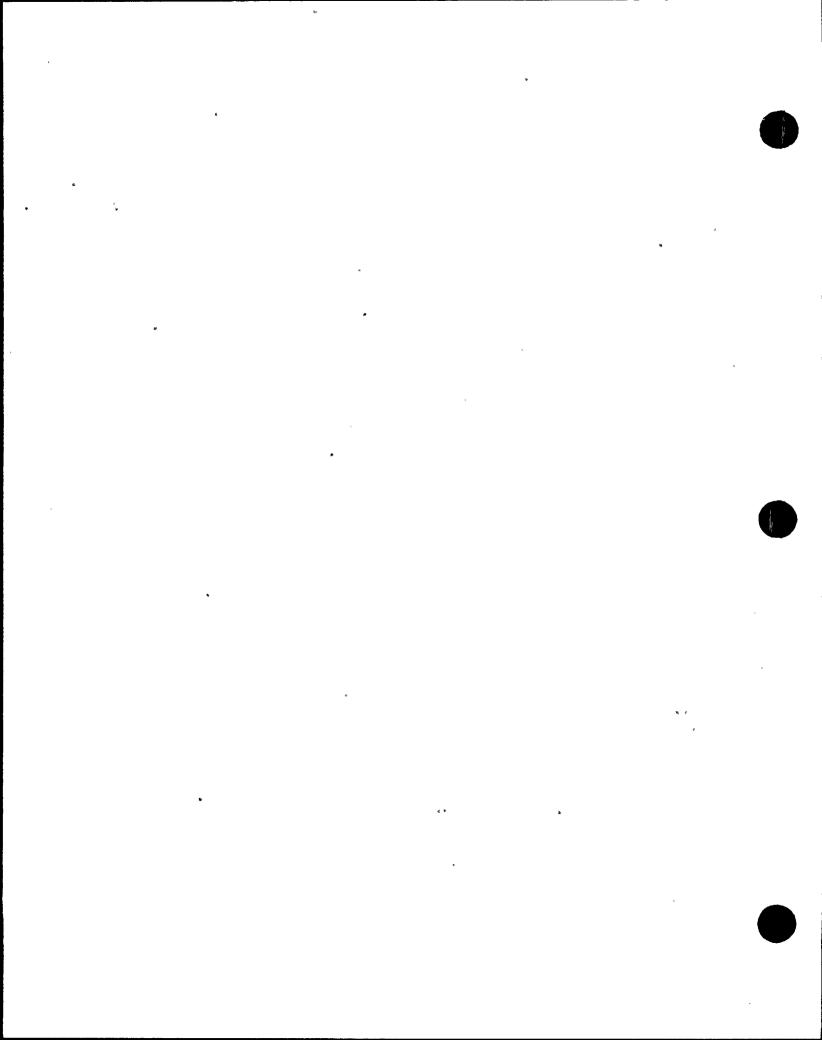
COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

EXAMINATION PLAN

The following printout is known as 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 7 Inservice inspection data for Class 1 and Class 2 components for Section XI code credit. Appendix III contains a summary of Augmented examinations performed during Unit 3 Cycle 7 Outage. Essential unit and system files are contained herein as a reference to describe abbreviations and features in the printout. This information precedes the Outage ISI report.

Class 3 Inservice data and reports are contained in the Browns Ferry Inservice Inspection (ISI) Final Plant Report.



OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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.

KEY TO COMPUTERIZED DATA **BASE TRACKING SYSTEM**

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

P.O. BOX 2000

DECATUR, ALABAMA 35602

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.

EXAM REQUIREMENT

89E-02

Component listing and ISI 10 year plan 89E-02. ASME Section XI, 1989 Edition, Second Interval. The 1989 Edition, ASME Section XI, Interval 02 only.

R01-02

Augmented examination component listing: B01-02. BWR Feedwater nozzle and Control Rod Drive return line nozzle examination per NUREG 0619.

B02-02

Augmented examination component listing: B02-02. Augmented examination per NUREG 0313, revision 2, Detection of Innergranular Stress Corrosion Cracking. Generic letter 88-01

B03-02

Augmented examination component listing: B03-02. Augmented examinations per IE-Bulletin 80-13 - cracking related to Core Spray Spargers

B06-02

Augmented examination component listing: B06-02. Augmented examinations of RPV internal components. Examinations per SIL-289, 420, 465, 551, 554, 572, 574, 588, and 605

PER

PER 960004

PC7-02

Repair/Replacement component listing: Preservice examination of components examined.

V01-02

Voluntary examinations

SYSTEM - System / Component

CRDS - Control Rod Drive System

CSS - Core Spray System

FPCS - Fuel Pool Cooling

FWS - Feedwater System

HPCIS - High Pressure Coolant Injection System

MSS - Main Steam System

RCICS - Reactor Core Isolation Cooling System

RECIRC - Recirculation System

RHRS - Residual Heat Removal System

RHRSW - Residual Heat Removal Service Water System

RPV - Reactor Pressure Vessel

RWCUS - Reactor Water Cleanup System

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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.

EXAM SCHEDULE - Nondestructive Examination (NDE) Method

ET - Eddy Curent Examination

MT - Magnetic Particle Examination

PT - Penetrant Examination

RT - Radiography Examination

UT - Ultrasonic Examination

VT - Visual Examination

EXAM RESULTS - Pass or Fail

- P Pass; Examination results are acceptable
- F Fail: Examination results are not acceptable. Additional examination (IWB-2430) required.
- R Reinspect; Component reinspected by a different technique. Pass/fail not determined by this method.
- E Engineering; Examination results not acceptable but component is acceptable for continued use. Results evaluated by Engineering and determined to use "As Is". A USOD is attached and successive examinations (IWB-2420) are not required.
- C Continued Use; Examination results not acceptable but component is acceptable for continued'use. Successive examination (IWB-2420) required. Service based on an Engineering evaluation (Fracture Mechanics) of the indication.
- D Discarded; Item replaced, reinspected Preservice Inspection (PSI) performed. No additional examinations required.

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

UNIT: THREE

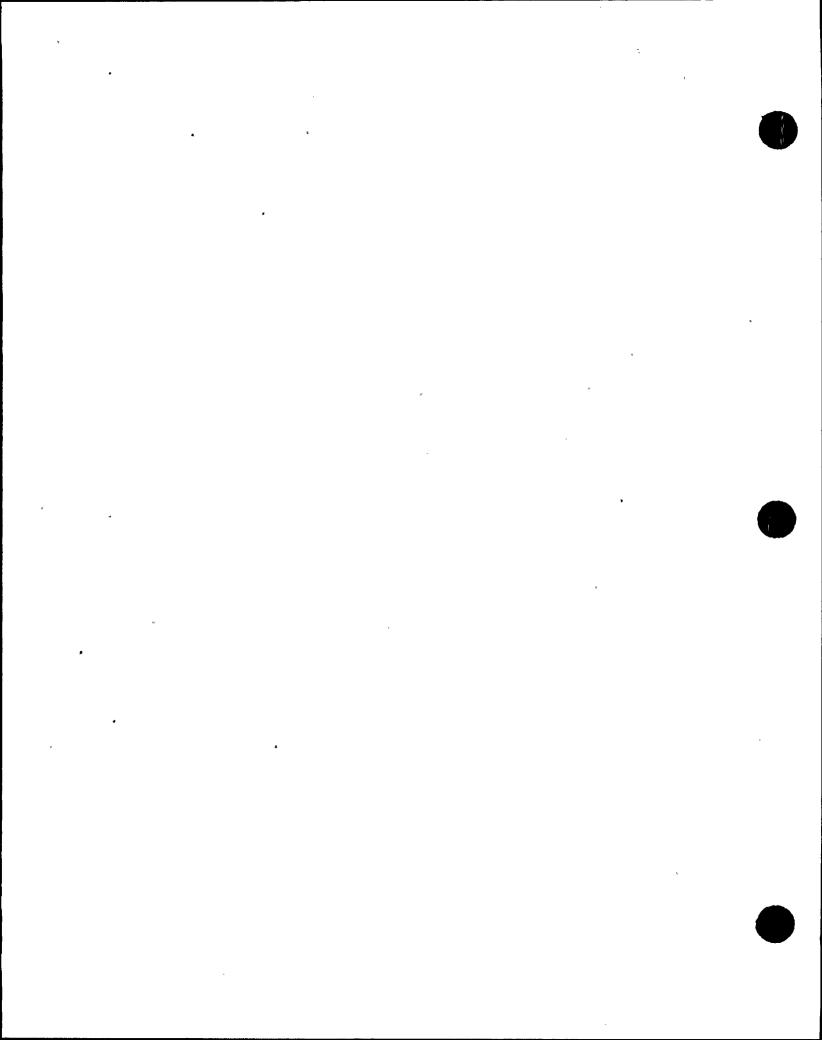
CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 CYCLE 7

ISI REPORT OF CLASS 1 AND CLASS 2 COMPONENTS



NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	ttem Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RCH-3-1V	ISI-0295-A 01	B-A	B1.22	UT-0	BF-19	19970228	R-233	Р	
RPV	RCH-3-1V	ISI-0295-A 01	B-A	B1.22	UT-45	BF-19	19970228	R-233	P	
RPV	RCH-3-1V	ISI-0295-A 01	B-A	B1.22	UT-60	BF-19	19970228	R-233	P	
RPV	RCH-3-2V	ISI-0295-A 01	B-A	B1.22	UT-0	BF-19	19970228	R-228	Р	INDIC. EVAL. ACCEPTABLE
RPV	RCH-3-2V	ISI-0295-A 01	B-A	B1.22	UT-45	BF-19	19970301	R-228	Р	INDIC. EVAL ACCEPTABLE
RPV	RCH-3-2V	ISI-0295-A 01	`B-A	B1.22	UT-45	BF-19	19970302	R-228	Р	INDIC. EVAL ACCEPTABLE
RPV	RCH-3-2V	ISI-0295-A 01	B-A	B1.22	UT-45	BF-19	19970228	R-228	Р	INDIC. EVAL ACCEPTABLE
RPV	RCH-3-2V	ISI-0295-A 01	B-A	B1.22	UT-60	BF-19	19970302	R-228	Р	INDIC. EVAL. ACCEPTABLE
RPV	RCH-3-2V	ISI-0295-A 01	B-A	B1.22	UT-60	BF-19	19970301	R-228	Р	INDIC. EVAL, ACCEPTABLE
RPV	N6A-IR	ISI-0295-A 01	B-D	B3.100	UT-19L	BF-81	19970301	R-243	Р	
PV	N6A-IR	ISI-0295-A 01	B-D	B3.100	UT-21L	BF-81	19970301	R-243	Р	
PV	N6A-IR	ISI-0295-A 01	B-D	B3.100	UT-27L	BF-81	19970301	R-243	Р	
RPV	N6A-IR	ISI-0295-A 01	B-D	B3.100	UT-32L	BF-81	19970301	R-243	Р	
IPV	NBA	ISI-0295-A 01	B-D	B3.90	UT-0	BF-19	19970228	R-247	Ρ	PROP. RFR 3-ISI-7
IPV	NBA	ISI-0295-A 01	B-D	B3.90	UT-0	BF-19	19970301	R-247	Р	PROP. RFR 3-ISI-7
IPV	NBA	ISI-0295-A 01	B-D	B3.90	UT-45	BF-19	19970227	R-247	ρ	PROP. RFR 3-ISI-7
PV	NBA	ISI-0295-A 01	8-D	B3.90	UT-60	BF-19	19970227	R-247	P	PROP. RFR 3-151-7
PV	RWR-3-002-G004	ISI-0328-C 02	8-F	B5.10	PT		19970227	R-173	Р	N2B@60 RECIRC
RPV	RWR-3-002-G004	ISI-0328-C 02	B-F	85.10	UT-45	BF-72	19970228	R-191	Р	N2B@60 RECIRC
RPV	RWR-3-002-G004	ISI-0328-C 02	8-F	85.10	UT-45	BF-70	19970228	R-191	P	N2B@60 RECIRC
IPV	RWR-3-002-G004	ISI-0328-C 02	B-F	B5.10	UT-45L	BF-72	19970228	R-191	P	N2B@60 RECIRC
PV	RWR-3-002-G004	ISI-0328-C 02	B-F	B5.10	UT-45L	BF-70	19970228	R-191	P	N2B@60 RECIRC
PV	.RWR-3-002-G010	ISI-0328-C 02	B-F	B5.10	PT		19970227	R-176	Р	ND2@120 RECIRC
PV	RWR-3-002-G010	ISI-0328-C 02	B-F =	B5.10	UT-45	BF-70	19970301	R-207	P ,	ND2@120 RECIRC
PV	RWR-3-002-G010	ISI-0328-C 02	B-F	B5.10	UT-45	BF-72	19970301	R-207	P	ND2@120 RECIRC
	_			-		_				_

NUCLEAR POWER GROUP 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

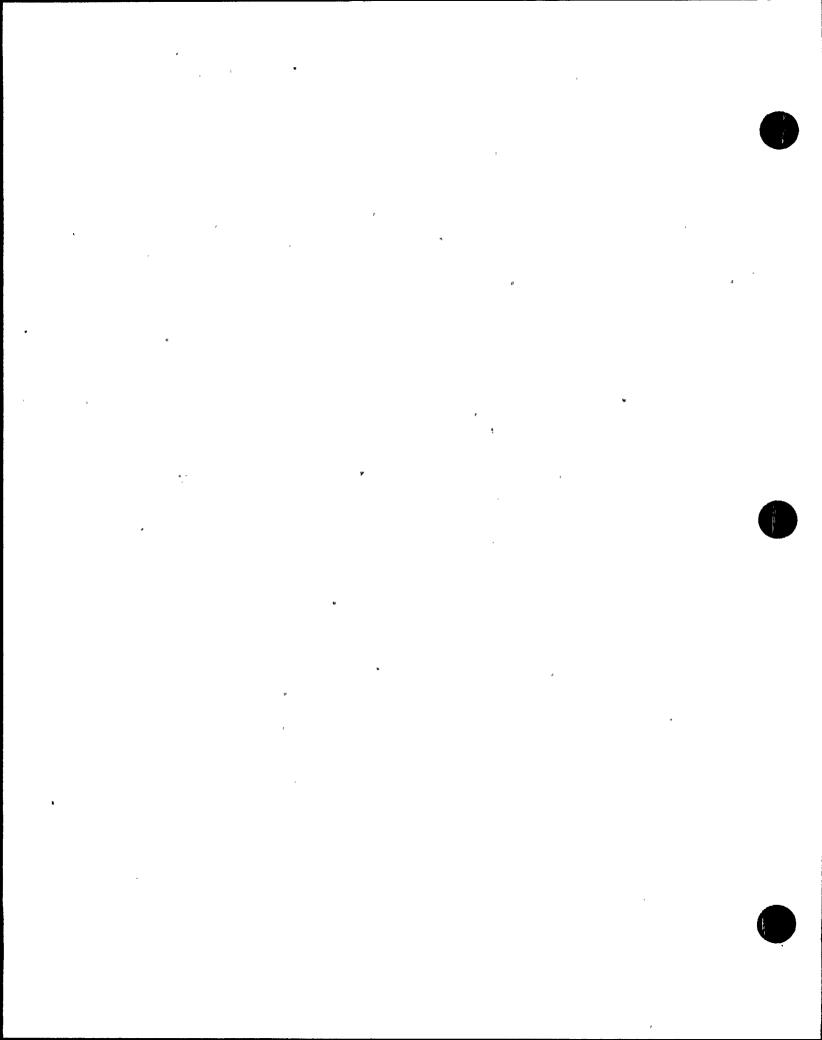
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

Bystem	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RWR-3-002-G010	ISI-0328-C 02	B-F	85.10	UT-45L	BF-72	19970301	R-207	Р	ND2@120 RECIRC
RPV	RWR-3-002-G010	ISI-0328-C 02	B-F	B5.10	UT-45L	BF-70	19970301	. R-207	P	ND2@120 RECIRC
RPV	RWR-3-003-G001	ISI-0411-C 01	B-F	B5.10 -	PT		19970228	R-192	P	N8A@105 JET PUMP
RPV	RWR-3-003-G001	ISI-0411-C 01	8-F	B5.10	UT-45	BF-76	19970228	R-188	P	N8A@105 JET PUMP
RPV	RWR-3-003-G001	ISI-0411-C 01	B-F	85.10	UT-45	BF-59	19970228	R-188	P	N8A@105 JET PUMP
RPV	RWR-3-003-G001	ISI-0411-C 01	B-F	B5.10	UT-45	BF-59	19970228	R-188	P	N8A@105 JET PUMP
RPV	RWR-3-003-G001	, ISI-0411-C 01	B-F	B5.10	UT-ÁSL	BF-59	19970228	R-188	P	N8A@105 JET PUMP
RPV	RWR-3-003-G001	ISI-0411-C 01	B-F	B5,10	UT-45L	BF-76	19970228	R-188	P	N8A@105 JET PUMP
RPV	RPV-NUTS-3-01	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-02	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	Р.	
RPV	RPV-NUTS-3-03	ISI-0267-C 01	B-G-1	B8.10	мт		19970225	R-144	P	
RPV	RPV-NUTS-3-04	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-05	ISI-0267-C 01	8-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-08	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	Р	
RPV	RPV-NUTS-3-07	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-08	ISI-0267-C 01	B-G-1	B6.10	MT .		19970225	R-144	P	
RPV	RPV-NUTS-3-09	ISI-0267-C 01	B-G-1	86.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-10	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	P	·
RPV	RPV-NUTS-3-11	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-12	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	P	-
RPV	RPV-NUTS-3-13	ISI-0267-C 01	B-G-1	88.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-14	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	`P	
RPV	RPV-NUTS-3-15	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	. Р	
RPV	RPV-NUTS-3-16	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-17	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	Р	



NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-NUTS-3-18	ISI-0267-C 01	B-G-1	B6.10	мт		19970225	R-144	P	
RPV =	RPV-NUTS-3-19	ISI-0267-C 01	B-G-1	B8.10	мт		19970225	R-144	P	
RPV	RPV-NUTS-3-20	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	Р	
RPV	RPV-NUTS-3-21	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-22	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	Р.	,
RPV	RPV-NUTS-3-23	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV ,	RPV-NUTS-3-24	ISI-0267-C 01	B-G-1	B8.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-25	ISI-0267-C 01	B-G-1	86.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-26	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	P	
RPV	RPV-NUTS-3-27	ISI-0267-C 01	B-G-1	B6.10	MT-		19970225	R-144	P	,
RPV	RPV-NUTS-3-28	ISI-0267-C 01	8-G-1	B6.10	мт		19970225	R-144	P	٦
RPV	RPV-NUTS-3-29	ISI-0267-C 01	B-G-1	B6.10	МТ		19970225	R-144	Р	
RPV .	RPV-NUTS-3-30	ISI-0267-C 01	B-G-1	B6.10	MT		19970225	R-144	Р	
RPV	RPV-STUDS-3-01	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-02	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	-
RPV	RPV-STUDS-3-03	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	P	\$
RPV	RPV-STUDS-3-04	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-05	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-06	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-07	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-08	ISI-0267-C 01	B-G-1 -	B6.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-09	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-10	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-11	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-12	ISI-0267-C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	. P	
					=					

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

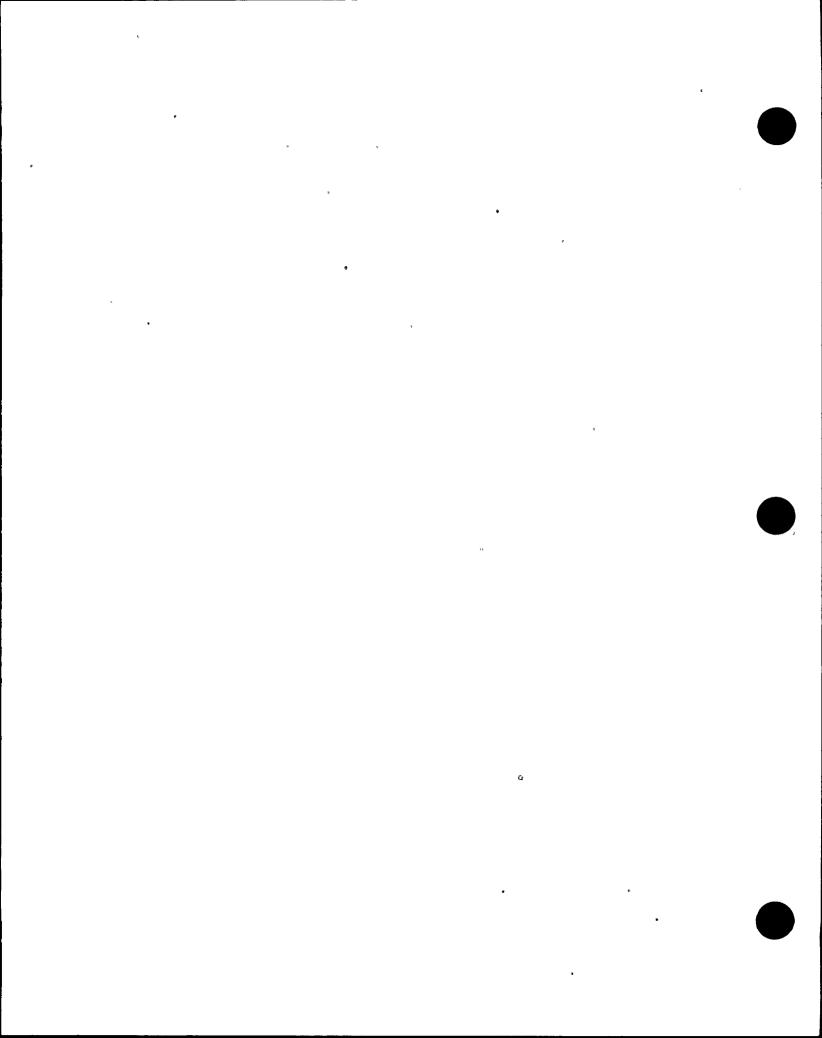
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	ltem Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-STUDS-3-13	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-14	ISI-0287-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-15	ISI-0267-C 01	B-G-1	86,20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-16	ISI-0267-C 01	8-G-1	86.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-17	ISI-0267 <u>-</u> C 01	B-G-1	B8.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-18	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-19	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-20	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-21	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-26	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	Р	
RPV	RPV-STUDS-3-27	ISI-0267-C 01	8-G-1	B6.20	UT-0	BF-126	19970308	R-250	Р	-
RPV	RPV-STUDS-3-28	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126*	19970308	R-250	P	
RPV	RPV-STUDS-3-29	^ ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	
RPV	RPV-STUDS-3-30	ISI-0267-C 01	B-G-1	B6.20	UT-0	BF-126	19970308	R-250	P	٥
RPV	RPV-STUDS-3-22	ISI-0267-C 01	B-G-1	B6.30	UT-0	BF-126	19970306	R-242	Р	
RPV	RPV-STUDS-3-23	ISI-0267-C 01	B-G-1	86.30	UT-0	BF-126	19970306	R-242	Р	
RPV	RPV-STUDS-3-24	ISI-0267-C 01	B-G-1	86.30	UT-0	BF-126	19970306	R-242	Р	
RPV	RPV-STUDS-3-25	ISI-0267-C 01	B-G-1	B6.30	UT-0	BF-126	19970306	R-242	Р	
RPV	RPV-LIGS-3-01	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	Р	
RPV	RPV-LIGS-3-02	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	-
RPV	RPV-LIGS-3-03	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	• *
RPV	RPV-LIGS-3-04	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	P	
RPV .	RPV-LIGS-3-05	ISI-0267-C 01	8-G-1	B8.40	UT-0	BF-126	19970308	R-252	P	
PV	RPV-LIGS-3-08	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-07	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	
							,		•	



NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-LIGS-3-08	ISI-0287-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	Р	-
RPV	RPV-LIGS-3-09	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	•
RPV	RPV-LIGS-3-10	ISI-0267-C 01	B-G-1	86.40	UT-0	BF-126	19970308	R-252	Р	-
RPV	RPV-LIGS-3-11	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126 ·	19970308	R-252	ρ	*
RPV	RPV-LIGS-3-12	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-128	19970308	R-252	Ρ	· -
RPV	RPV-LIGS-3-13	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-128	19970308	R-252	Ρ	
RPV	RPV-LIGS-3-14	ISI-0267-C 01	B-G-1	86.40	O-TU	BF-126	19970308	R-252	Ρ.	
RPV	RPV-LIGS-3-15	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-18	ISI-0287-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-17	ISI-0267-C 01	B-G-1	88.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-18	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	Р	
RPV	RPV-LIGS-3-19	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	Р	•
RPV	RPV-LIGS-3-20	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	Р	
RPV	RPV-LIGS-3-21	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	Р	
RPV	RPV-LIGS-3-22	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-128	19970308	R-252	Ρ	
RPV	RPV-LIGS-3-23	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	Ρ	4
RPV	RPV-LIGS-3-24	ISI-0267-C 01	B-G-1	B6.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-25	ISI-02 6 7-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	Р	
RPV	RPV-LIGS-3-26	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-128	19970308	R-252	P	u
RPV	RPV-LIG\$-3-27	ISI-0267-C 01	8-G-1	B6.40	UT-0	BF-126	19970308	R-252	Ρ	
RPV	RPV-LIGS-3-28	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	Р	,
RPV	RPV-LIGS-3-29	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	P	
RPV	RPV-LIGS-3-30	ISI-0267-C 01	B-G-1	B8.40	UT-0	BF-126	19970308	R-252	P	-
RPV	RPV-BUSH-3-01	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	•
RPV	RPV-BUSH-3-02	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	

NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

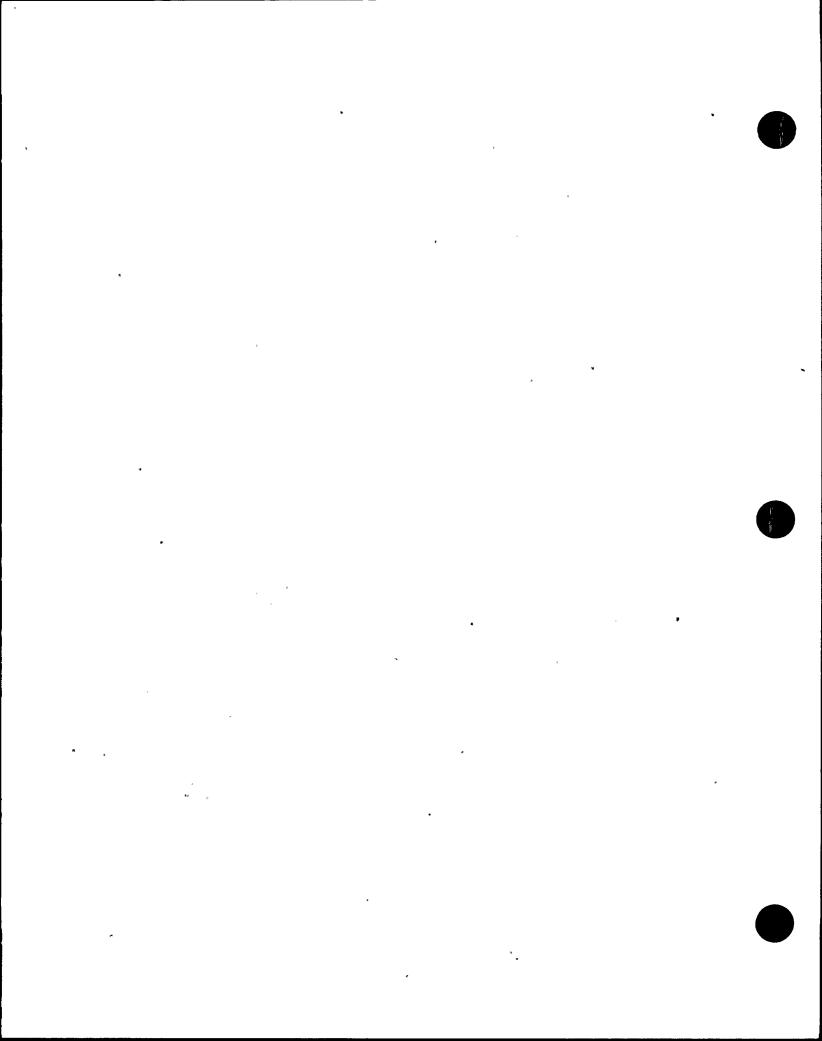
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	ltem Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-BUSH-3-03	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-04	ISI-0267-C 01	8-G-1	88.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-05	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-06	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-07	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-08	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-09	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-10	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-11	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-12	ISI-0267-C 01	B-G-1	B8.50	VT-į		19970308	R-251	P	
RPV	RPV-BUSH-3-13	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-14	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-15	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-16	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-17	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-18	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-19	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-20	ISI-0267-C 01	B-G-1 3	86.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-21	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-22	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-253	P	
RPV	RPV-BUSH-3-23	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-253	Р	
RPV	RPV-BUSH-3-24	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-253	Р	
RPV	RPV-BUSH-3-25	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-253	Р	
RPV	RPV-BUSH-3-26	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	
RPV	RPV-BUSH-3-27	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	•



NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

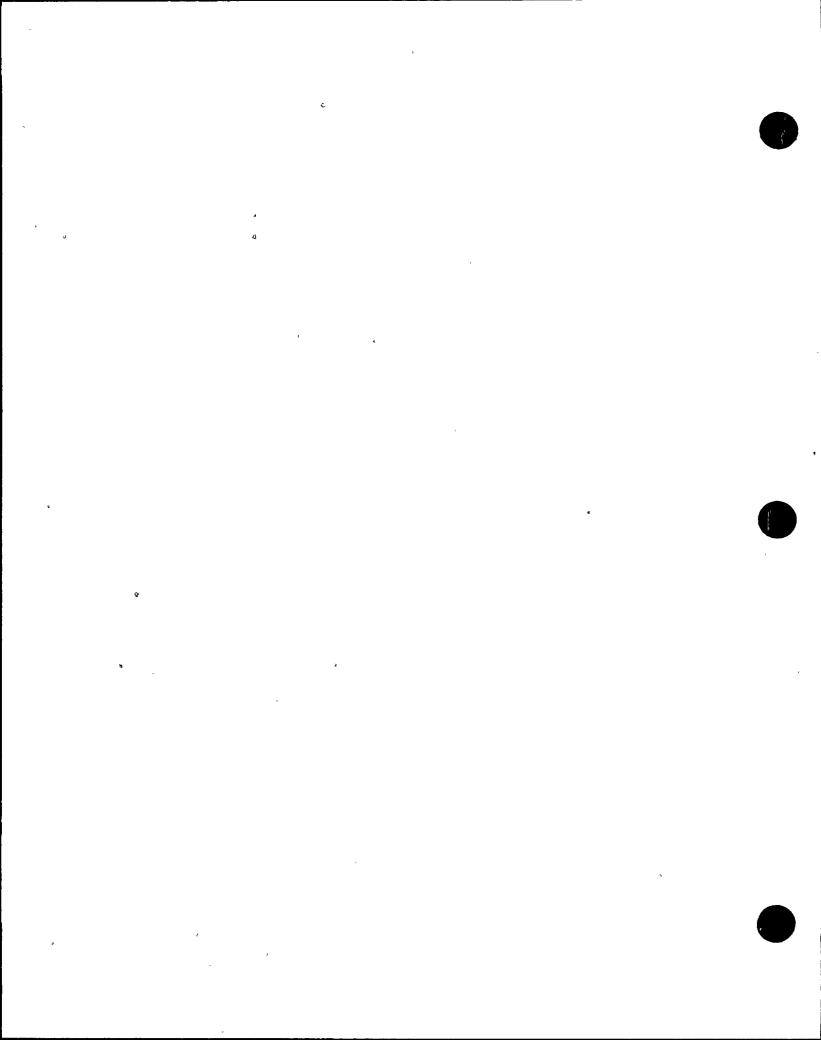
₂ P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-BUSH-3-28	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	ρ	
RPV	RPV-BUSH-3-29	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970308	R-251	P	
RPV	RPV-BUSH-3-30	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970308	R-251	Р	
RPV	RPV-WASH-3-01	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-02	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-03	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	Р	
RPV	RPV-WASH-3-04	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-05	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-08	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	Р	
RPV	RPV-WASH-3-07	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-08	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-09	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	Р	
RPV	RPV-WASH-3-10	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-11	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-12	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-13	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-14	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-15	ISI-0267-C 01	B-G-1	B8.50	VT-1-	2	19970225	R-134	Р	
RPV	RPV-WASH-3-16	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-17	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-18	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	*
RPV	RPV-WASH-3-19	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-20	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
PV	RPV-WASH-3-21	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-22	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	P	



NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

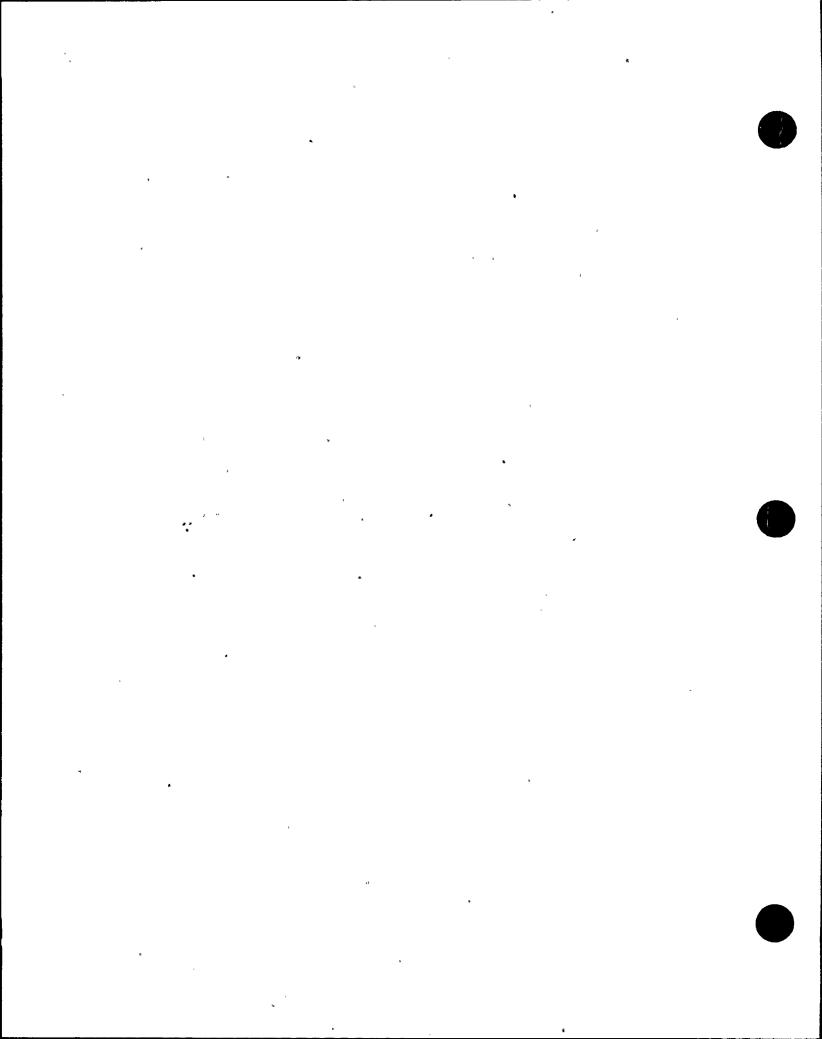
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-WASH-3-23	ISI-0267-C 01	B-G-1	B8.50	VT-1		19970225	R-134	Р	
RPV	RPV-WASH-3-24	ISI-0267-C 01	B-G-1	B6.50	VT-1	,	19970225	R-134	P	
RPV	RPV-WASH-3-25	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-26	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-27	ISI-0267-C 01	B-G-1	B6.50	'VT-1		19970225	R-134	P	
RPV	RPV-WASH-3-28	ISI-0267-C 01	B-G-1	B8.50	VT-1	=	19970225	R-134	P	
RPV	RPV-WASH-3-29	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	Р	÷
RPV	RPV-WASH-3-30	ISI-0267-C 01	B-G-1	B6.50	VT-1		19970225	R-134	P	
MSS	MSBC-3-01	ISI-0313-B 01	B-G-2	B7.50	VT-1		19970224	R-102	Р	AZ ~ 92
MSS	MSBC-3-03	ISI-0313-B 01	B-G-2	B7.50	VT-1,	•	19970224	R-101	Р	AZ ~ 122
MSS	MSBC-3-05	ISI-0313-B 01	B-G-2	B7.50	VT-1		19970224	R-103	Р	AZ ~ 92
CSS	FCV-75-53	ISI-0331-C 01	B-G-2	B7.70	VT-1		19970226	R-131	P	•
MSS	FCV-1-051-BC	ISI-0329-C 01	B-G-2	B7.70	VT-1		19970227	R-152	Р	VLV TO BONNET
MSS	PCV-1-04 _	ISI-0313-B 01	B-G-2	B7.70	VT-1	Page.	19970309	R-258	P	SN59-1079
MSS	PCV-1-31	ISI-0313-B 01	B-G-2	B7.70	VT-1		19981218	R-138	P	S/N 66-1075, VLV-BDY BOLTS
MSS	PCV-1-31	ISI-0313-B 01	B-G-2	B7.70	VT-1		19970225	R-140	Р	SN 66-1075, INLET BOLTS
RHRS	FCV74-68	ISI-0330-C 01	B-G-2	B7.70	VT-1		19970226	R-150	D	NOI#U3C7-003, REF R-180
FWS	GFW-3-01	ISI-0327-C 01	B-J	B9.11	MT		19970301	R-196	P	
FWS	GFW-3-01	ISI-0327-C 01	B-J	B9.11	UT-45	BF-108	19970302	R-222	P	
FWS	GFW-3-01	ISI-0327-C 01	B-J	B9.11	UT-60	BF-108	19970302	R-222	P	
FWS	GFW-3-10	ISI-0327-C 01	B-J	B9.11	MT		19970301	R-195	P	
FWS	GFW-3-10	ISI-0327-C 01	.B-J	B9.11	UT-45	BF-75	19970301	R-225	P	
FW\$	GFW-3-10	ISI-0327-C 01	B√J	B9.11	08-TU	BF-75	19970301	R-225	P	
FWS	KFW-3-03	ISI-0327-C 01	8-J	B9.11	MT		19970302	R-214	P	
FWS	KFW-3-03	ISI-0327-C 01	B-J	89.11	UT-45	BF-94	19970304	R-231	Р	



NUCLEAR POWER GROUP 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402

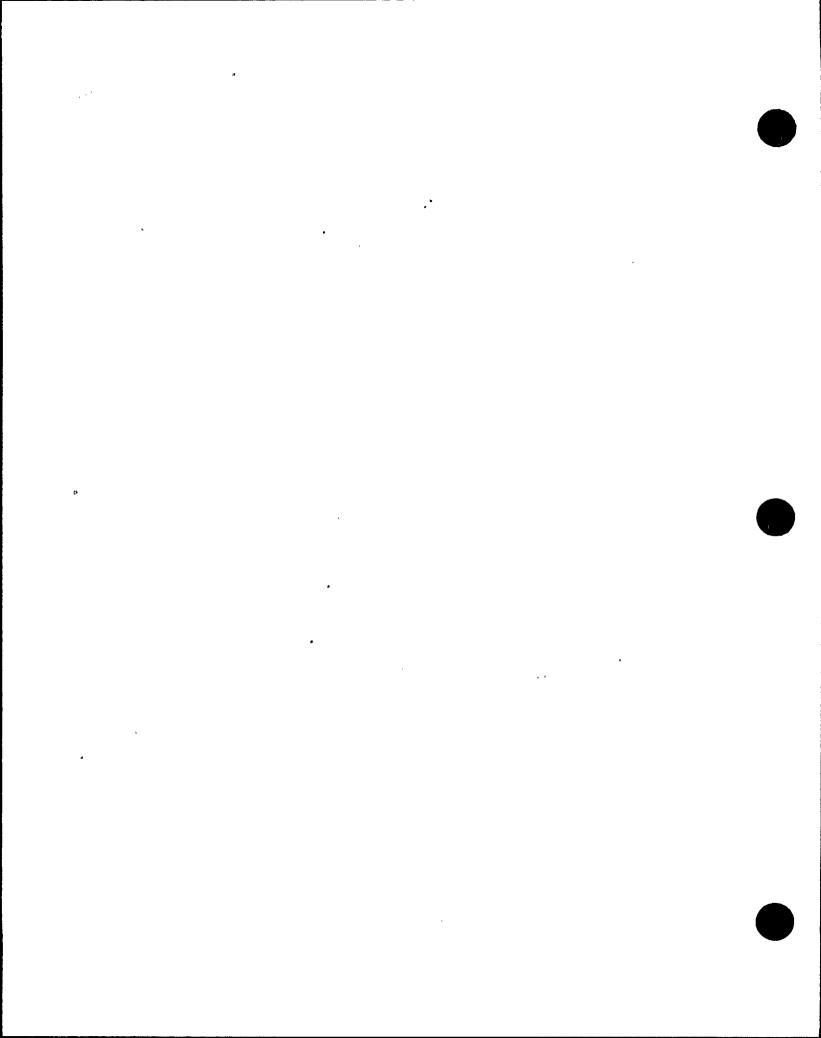
PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000 DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
-ws	KFW-3-15	ISI-0327-C 01	B√J	B9.11	мт		19970301	R-205	Р	
FWS	KFW-3-15	ISI-0327-C 01	B√J	B9.11	UT-45	BF-75	19970301 '	R-224	Р	
FWS	KFW-3-15	ISI-0327-C 01	B√J	B9.11	UT-60	BF-75	19970301	R-224	P	SUPP EXAM
FWS	KFW-3-48	ISI-0327-C 01	B-J	B9.11	MT		19970302	R-212	P	
-ws	KFW-3-48	ISI-0327-C 01	₿~Ј	B9,11	UT-45	BF-102	19970303	R-226	P	
HPCIS	THPCI-3-069	ISI-0333-C 01	B√J	B9.11	MT		19970225	R-127	P	
HPCIS	THPCI-3-069	ISI-0333-C 01	B-J	B9.11	UT-45	BF-42	19970226	R-158	P	
ASS	GMS-3-04	ISI-0329-C 01	B√J	B9.11	MT		19970228	R-135	P	
MSS	GMS-3-04	ISI-0329-C 01	B√J	B9.11	UT-45	BF-108	19970228	R-162	P	
ASS	GMS-3-09	ISI-0329-C 02	B√J	B9.11	MT.		19970302	R-215	P	
ASS	GMS-3-09	ISI-0329-C 02	B√J	B9.11	UT-45	BF-108	19970302	R-220	Р	
ASS	GMS-3-09	ISI-0329-C 02	B-J	B9.11	UT-60	BF-108	19970302	R-220	P	
ASS	GMS-3-09	ISI-0329-C 02	B-J	B9.11	UT-70	BF-108	19970302	R-220	P	
ASS	GMS-3-30	ISI-0329-C 01	B-J	B9.11	MT		19970228	R-146	P	
ASS	GMS-3-30	ISI-0329-C 01	B-J	B9.11	UT-45	BF-108	19970226	R-164	P	
ISS	GMS-3-30	ISI-0329-C 01	B-J	B9.11	UT-60	BF-108	19970228	R-164	Р	
ASS	KMS-3-038	ISI-0329-C 02	B-J	B9.11	MT		19970227	R-178	P	•
ASS	KMS-3-038	ISI-0329-C 02	B-J	B9.11	UT-45	BF-108	19970228	R-190	P	
ASS	KMS-3-055	ISI-0329-C 02	B-J	B9.11	MT		19970302	R-206	P	
ASS	KMS-3-055	ISI-0329-C 02	B-J	B9.11	UT-45	BF-108	19970302	R-221	P	
ASS	KMS-3-090	ISI-0329-C 01	B√J	B9.11	MT		19970225	R-118	P	
ASS	KMS-3-090	ISI-0329-C 01	B-J	B9.11	UT-45	BF-30	19970228	R-200	P	
MSS	KMS-3-091	ISI-0329-C'01	B-J	B9.11	- MT		19970225	R-117	P	
ASS	KMS-3-091	ISI-0329-C 01	B-J	B9.11	UT-45	BF-30	19970228	R-198	Р	
ASS	KMS-3-093	ISI-0329-C 01	B-J	B9.11	MT		19970225	R-120	P	



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

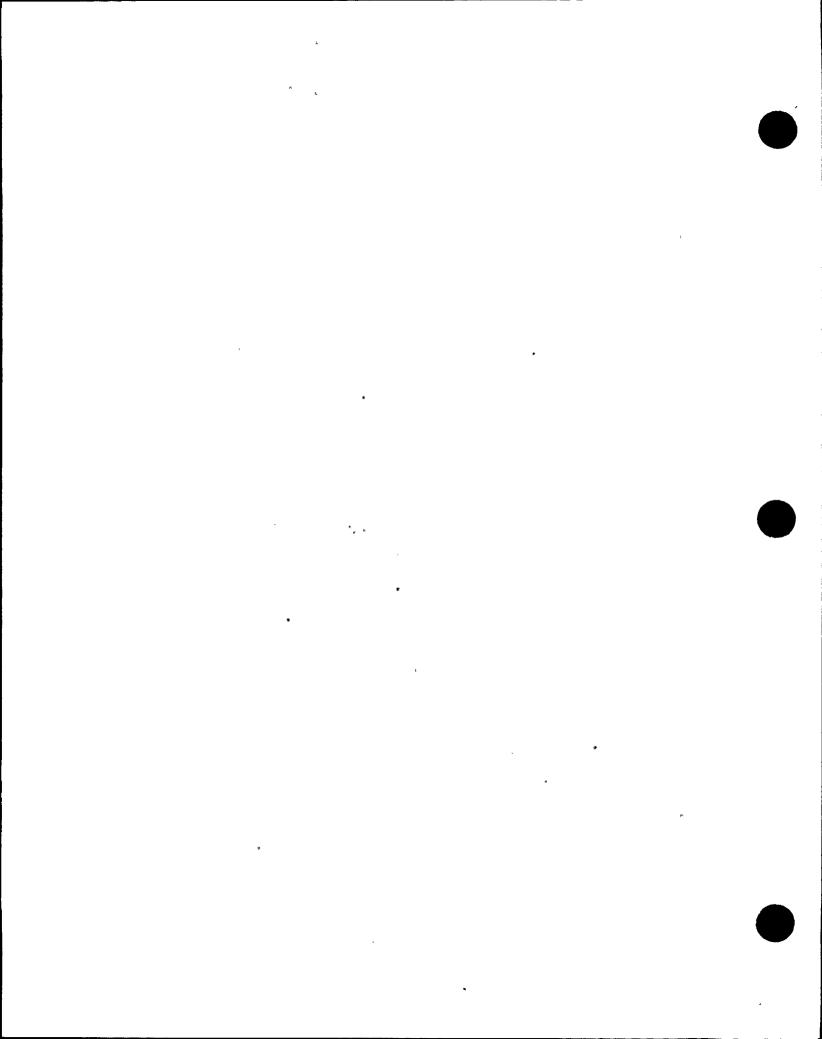
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
MSS	KMS-3-093	ISI-0329-C 01	B√J	B9.11	UT-45	8F-30	19970228	R-201	Р	÷
MSS	KMS-3-094	ISI-0329-C 01	B√J	B9.11	MT	J	19970225	R-119	P	
MSS '	KMS-3-094	ISI-0329-C 01	B√J	B9.11	. UT-45	BF-30	19970228	R-199	P	
RECIR ,	RWR-3-001-G017	ISI-0328-C 01	B-J	B9.11	PT		19970227	R-171	P	
RECIR	RWR-3-001-G017	ISI-0328-C 01	BJ	B9.11	UT-45	BF-79	19970227	R-187	P	*
RECIR	RWR-3-001-G017	ISI-0328-C 01	B√J	B9.11	UT-60	BF-79	19970227	R-187	P	SUPP EXAM
RECIR	RWR-3-001-G020	ISI-0328-C 01	B√J	89.11	PT		19970227	R-172	P	
RECIR '	RWR-3-001-G020	ISI-0328-C 01	B-J	B9.11	UT-45	BF-79 -	19970227	R-188	P	*
RECIR	RWR-3-001-G020	ISI-0328-C 01	B√J	B9.11	UT-60	BF-79	19970227	R-188	P	SUPP EXAM
RECIR	RWR-3-002-G006	ISI-0328-C 02 -	BJ	89.11	PT,		19970227	R-174	P	
RECIR	RWR-3-002-G006	ISI-0328-C 02	B√J	B9.11	UT-45	BF-79	19970228	R-189	P	
RECIR	RWR-3-002-G012	ISI-0328-C 02	B√	B9.11	PT		19970227	R-175	P	
RECIR	RWR-3-002-G012	ISI-0328-C 02	B√J	89.11	UT-45	BF-79	19970301	R-208	P	
RWCUS	DRWC-3-60	ISI-0332-C 02	B-J	B9.11	MT		19970223	R-099	Р,	
RWCUS	DRWC-3-60	1SI-0332-C 02	B-J	B9.11	UT-45	BF-35	19970228	R-159	P	
RWCUS	RWCU-3-001-G020	ISI-0332-C 01	B√	B9.11	PT		19970228	R-133	P	
RWCUS	RWCU-3-001-G020	ISI-0332-C 01	B√J	B9.11	UT-45	BF-31	19970226	R-147	P	
RWCUS	RWCU-3-001-G020	ISI-0332-C 01	BJ	89.11	UT-60L	BF-31	19970226	R-147	P *	
MSS	KMS-3-089	ISI-0329-C 01	B√J	B9.31	MT		19970225	R-116	P	
MSS	KMS-3-089	ISI-0329-C 01	B-J	B9.31	UT-45	BF-108	19970301	R-204	P	
MSS	KMS-3-092	ISI-0329-C 01	B√J	B9.31	MT		19970225	R-121	P	
MSS	KMS-3-092	ISI-0329-C 01	B-J	B9.31	UT-45	BF-108	19970301	R-203	P	¢
CSS	3-47B458-568-IA	ISI-0339-C 01	B-K-1	B10.10	PT		19970301	R-193	Ε	REF. R-202 FOR SAT PT EXAM
CSS	3-47B458-588-IA	ISI-0339-C 01	B-K-1	B10.10	PT		19970302	R-202	P	NOI U3C7004 REF R-193
CSS	3-47B458-567-IA	ISI-0339-C 01	B-K-1	B10.10	MT		19970224	R-108	P	



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

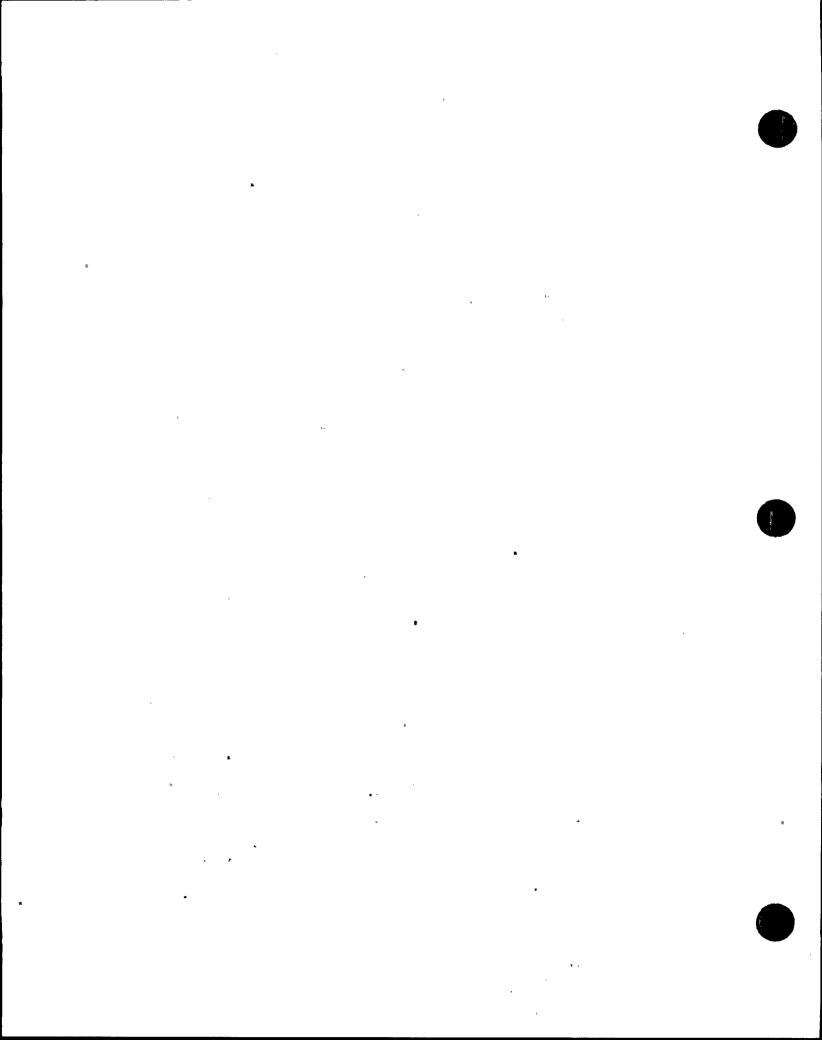
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DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	ltem Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results *	Comments
css	3-47B458-568-IA	ISI-0339-C 01	B-K-1	B10.10	мт		19970224	R-107	Р	#
MSS	3-47B400-115-IA	ISI-0338-C 02	B-K-1	B10.10	мт		19970226	R-161	P	•
MSS	3-47B400-116-IA	ISI-0338-C 02	B-K-1	B10.10	MT		19970228	R-160	P	
RECIR	3-47B465-472-IA	ISI-0337-C 02	B-K-1	B10.10	PT		19970227	R-156	P	
RECIR	3-47B465-473-IA	ISI-0337-C 02	B-K-1	B10,10	PT		19970227	R-155	P	
RECIR	3-47B465-474-IA	ISI-0337-C 02	B-K-1	B10.10	PT		19970227	R-157	P	
RECIR	3-47B465-480-IA	ISI-0337-C 02	B-K-1	B10.10	PT		19970227	R-154	P	
RHRS	3-47B452-3047-IA	ISI-0340-C 01	B-K-1	B10.10	PT		19970224	R-110	P	
FWS	3-47B415-44-IA	ISI-0338-C 01	B-K-1	B10.30	мт		19970228	R-197	P	
css	FCV-75-53	ISI-0331-C 01	B-M-2	B12.50	VT-3		19970226	R-130	P	BFPER950808
HPCIS	FCV-73-03	ISI-0333-C 01	B-M-2	B12.50	VT-3		19970305	R-234	P	
HPCIS	FCV-73-45	ISI-0333-C 01	B-M-2	B12.50	VT-3		19970304	R-230	P	
MSS	FCV-1-051	ISI-0329-C 01	B-M-2	B12.50	VT-3		19970227	R-168	P	
MSS	PCV-1-04	ISI-0313-B 01	B-M-2	B12.50	VT-3	•	19970309	R-259	Р	S/N 59-1079
MSS	PCV-1-31	ISI-0313-B 01	B-M-2	B12.50	VT-3		19970313	R-269	P	SN#72-1072
RCICS	FCV-71-40	ISI-0332-C 02	B-M-2	B12.50	VT-3		19970303	R-217	Р	
RHRS	FCV74-68	ISI-0330-C 01	B-M-2	B12.50	VT-3		19970226	R-148	E	NOI#U3C7-002
RWCUS	FCV-69-02	ISI-0332-C 01	B-M-2	B12.50	VT-3		19970301	R-184	` P	
RHRS	RHRG-3-07-B	ISI-0422-C 01	C-A	C1.10	UT-45	BF-26	19970114	R-038	P	
RHRS	3-47B452-1383-IA	ISI-0395-C 07	C-C	C3.20	MT		19970117	R-050	P	
RHRS	3-47B452-1384-IA	ISI-0395-C 07	C-C	C3.20	MT		19970129	R-054	E	NOI U3C7-001 REF. R-149
RHRS	3-47B452-1384-IA	ISI-0395-C 07	C-C	C3.20	мт		19970228 .	R-149	P	REF. R-054 & NOI U3C7-001
RHRS	3-47B452-1385-IA	ISI-0395-C 07	c-c	C3.20	MT		19970117	R-048	Р	REF. RFR 3-ISI-4
RHRS	3-478452-1389-IA	ISI-0395-C 07	C-C	C3.20	мт		19970117	R-049	P	
RHRS	3-47B452-1400-IA	ISI-0395-C 02	c-c	C3.20	мт		19981210	R-007	P	



NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

ystem	Component identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
HRS	3-478452-1444-IA	ISI-0395-C 05	c-c	C3.20	MT		19970117	R-047	Р	
HRS	3-47B452-1451-IA	ISI-0395-C 09	c-c	C3.20	MT		19961211	R-018	P	REF. RFR 3-ISI-4
HRS	3-47B452-1543-IA	ISI-0395-C 08	C-C	C3.20	MT		19961210	R-012	P	
HRS	3-47B452-1545-IA	ISI-0395-C 08	C-C	C3.20	MT		19961211	R-017	P	
HRS	RHR-3-H-146-IA	ISI-0395-C 12	C-C	C3.20	MT		19961210	R-013	P	REF. RFR 3-ISI-4
SS	TCS-3-206	ISI-0102-C 01	C-F-1	C5.11	PT		19970109	R-037	P	
SS	TCS-3-206	ISI-0102-C 01	C-F-1	C5.11	UT-45	BF-79	19970110	R-039	P	
SS	TCS-3-207	ISI-0102-C 01	C-F-1	C5.11	PT		19970109	R-038	P	
SS	TCS-3-207	ISI-0102-C 01	C-F-1	C5.11	UT-45	BF-79	19970110	R-040	P	
ss	TCS-3-207	ISI-0102-C 01	C-F-1	C5.11	UT-80L	BF-79	19970110	R-040	P	
RDS	TCRD-3-013	ISI-0143-C 01	C-F-2	C5.51	MT		19970214	R-091	P	
RDS	TCRD-3-013	ISI-0143-C 01	C-F-2	C5.51	UT-45	BF-34	19970217	R-093	P	
RDS	TCRD-3-030	ISI-0143-C 02	C-F-2	C5.51	MT		19970214	R-092	Р	
RDS	TCRD-3-030	ISI-0143-C 02	C-F-2	C5.51	UT-45	BF-34	19970217	R-094	P	
RDS	TCRD-3-030	ISI-0143-C 02	C-F-2	C5.51	UT-60	BF-34	19970217	R-094	Р	SUPP EXAM
SS	TCS-3-008	ISI-0102-C 02	C-F-2	C5.51	MT		19961219	R-027	P	
SS	TCS-3-008	ISI-0102-C 02	C-F-2	C5.51	UT-45	BF-77	19961230	R-030	P	
ss	TCS-3-014C	ISI-0102-C 02	C-F-2	C5.51	MT		19970102	R-032	Р	
SS	TCS-3-014C	ISI-0102-C 02	C-F-2	C5.51	UT-45	BF-77	19970102	R-031	Р	
:SS	TCS-3-044	ISI-0102-C 02	C-F-2	C5.51	мт		19961219	R-028	Р	
ss	TCS-3-044	ISI-0102-C 02	C-F-2	C5.51	UT-45	BF-127	19970103	R-034	Р	•
SS	TCS-3-044	ISI-0102-C 02	C-F-2	C5.51	UT-60	BF-127	19970103	R-034	P	SUPP EXAM
ss	TCS-3-059	ISI-0102-C 02	C-F-2	C5.51	мт		19961219	R-029	P	
ss	TCS-3-059	ISI-0102-C 02	C-F-2	C5.51	UT-45	BF-127	19970102	R-033	Р	
SS	TCS-3-059	ISI-0102-C 02	C-F-2	C5.51	UT-60	BF-127	19970102	R-033	P	SUPP EXAM

OWNER: TENNESSEE VALLEY AUTHORITY **NUCLEAR POWER GROUP** 1101 MARKET STREET

- CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
IPCIS	THPCI-3-016	CHM-2407-C 02	C-F-2	C5.51	мт		19970224	R-109	Р	,
PCIS	THPCI-3-016	CHM-2407-C 02	C-F-2	C5.51	UT-45	BF-56	19970224	R-165	P	
IPCIS	THPCI-3-016	CHM-2407-C 02	C-F-2	C5.51	UT-60	BF-58	19970224	R-165	°P	
PCIS	THPCI-3-087	CHM-2407-C 03	C-F-2	C5.51	мт		19970223	R-104	P	
PCIS	THPCI-3-087	CHM-2407-C 03	C-F-2	C5.51	UT-45	BF-05	19970223	R-106	Р	
PCIS	THPCI-3-087	CHM-2407-C 03	C-F-2	C5.51	UT-60	BF-05	19970223	R-106	P	
PCIS	THPCI-3-097	CHM-2407-C 02	C-F-2	C5.51	мт		19970223	R-100	P	
PCIS	THPCI-3-097	CHM-2407-C 02	C-F-2	C5.51	UT-45	BF-05	19970223	R-163	P	
PCIS	THPCI-3-097	CHM-2407-C 02	C-F-2	C5.51	UT-60	BF-05	19970223	R-163	P	
SS	DMS-3-09	ISI-0354-C 01	C-F-2	C5.51	MT -		19970227	R-153	P	
SS	DMS-3-09	ISI-0354-C 01	C-F-2	C5.51	UT-45	BF-108	19970228	R-194	Р	
SS	DMS-3-09	ISI-0354-C 01	C-F-2	C5.51	UT-60	BF-108	19970228	R-194	P	h
SS	DSAS-3-03	ISI-0354-C 02	C-F-2	C5.51	MT		19970301	R-210	P	
SS	DSAS-3-03	ISI-0354-C 02	C-F-2	C5.51	UT-45	BF-34	19970301	R-211	P	
SS	DSMS-3-15	ISI-0354-C 01	C-F-2	C5.51	мт		19970301	R-209	Р	
SS	DSMS-3-15	ISI-0354-C 01	C-F-2	C5.51,	UT-45	BF-108	19970302	R-218	Р	
ss	DSMS-3-15	ISI-0354-C 01	C-F-2	C5.51	UT-60	BF-108	19970302	R-218	Р	
CICS	TRCIC-3-045	CHM-2408-C 01	C-F-2	C5.51	мт		19970128	R-058	Р	
CICS	TRCIC-3-045	CHM-2408-C 01	C-F-2	C5.51	UT-45	BF-91	19970131	R-082	Р	
CICS	TRCIC-3-045	CHM-2408-C 01	C-F-2	C5.51	UT-60	BF-91	19970131	R-082	Р	SUPP EXAM
HRS	TRHR-3-037	ISI-0393-C 11	C-F-2	C5.51	мт		19970114	R-041	Р	33.1 234.1
·RS	TRHR-3-037	ISI-0393-C 11	C-F-2	C5.51	UT-45	BF-96	19970127	R-055	P	
irs	TRHR-3-039A	ISI-0393-C 11	C-F-2	C5.51	мт		19970114	R-042	Р	
IRS	TRHR-3-039A	ISI-0393-C 11	C-F-2	C5.51	UT-45	BF-101	19970123	R-057	P	
IRS	TRHR-3-039A	ISI-0393-C 11	C-F-2	C5.51	UT-60	BF-101	19970123	R-057	Р	SUPP EXAM
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NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

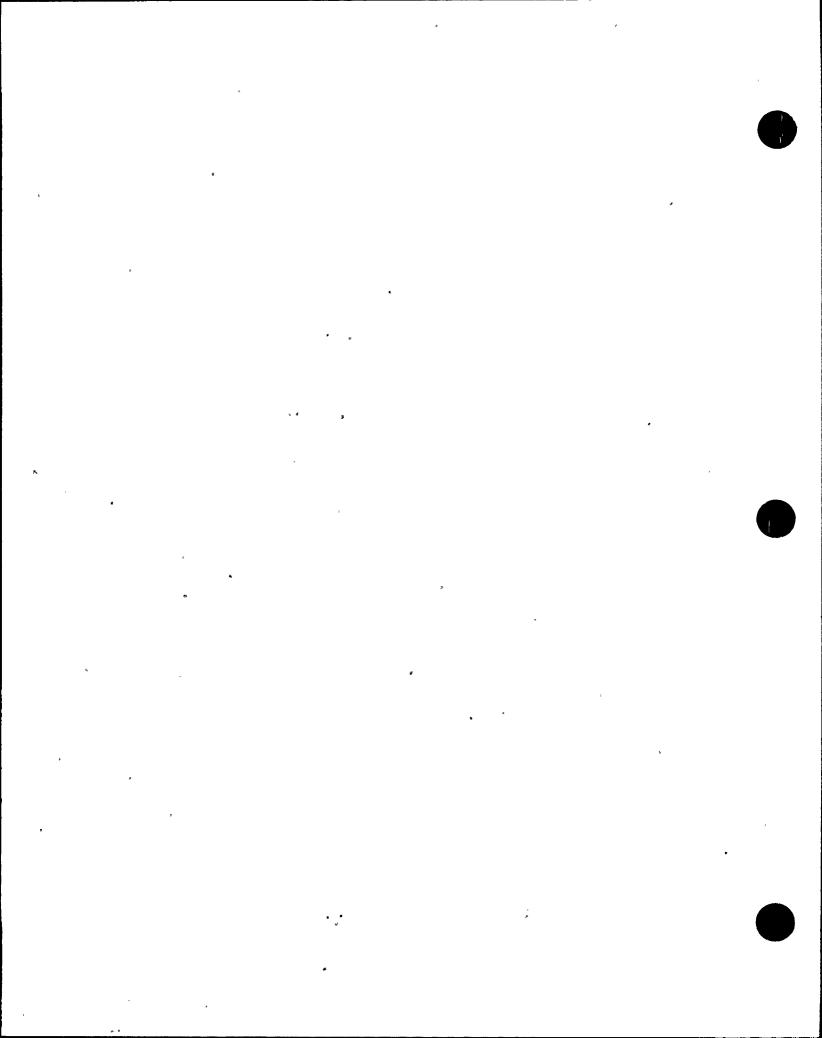
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DECATUR, ALABAMA 35602

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EXAM REQUIREMENT 89E-02

RHRS	TRHR-3-087 TRHR-3-087	ISI-0393-C 11				Standard .	Date	Report	Results	
	TRHR-3-087		C-F-2	C5.51	MT		19970114	R-043	Р	
		ISI-0393-C 11	C-F-2	C5.51	UT-45	BF-101	19970123	R-058	Р	
RHRS	TRHR-3-067	ISI-0393-C 11	C-F-2	C5.51	UT-80	BF-101	19970123	R-058	P	SUPP EXAM
RHRS	TRHR-3-104	ISI-0393-C 10	C-F-2	C5.51	MT		19961209	R-009	P	•
RHRS	TRHR-3-104	ISI-0393-C 10	C-F-2	C5.51	UT-45	BF-96	19961212	R-023	P	• •
RHRS	TRHR-3-183C	ISI-0393-C 08	C-F-2	C5.51	MT		19961210	R-014	P	•
RHRS	TRHR-3-183C	ISI-0393-C 08	C-F-2	C5.51	UT-45	BF-98	19961213	R-022	Ρ	
RHRS	TRHR-3-197	ISI-0393-C 04	C-F-2	C5.51	MT		19970220	R-096	P	
RHRS	TRHR-3-197	ISI-0393-C 04	C-F-2	C5.51	UT-45	BF-128	19970220	R-098	P	
RHRS	TRHR-3-197	ISI-0393-C 04	C-F-2	C5.51	UT-€0	BF-128	19970220	R-098	P	SUPP EXAM
RHRS	TRHR-3-197	ISI-0393-C 04	C-F-2	C5.51	UT-70	BF-128	19970221	R-098	P	SUPP EXAM
RHRS	TRHR-3-239	ISI-0393-C 02	C-F-2	C5.51	MT		19961209	R-006	¹ P	
RHRS	TRHR-3-239	ISI-0393-C 02	C-F-2	C5.51	UT-45	BF-128	19961212	R-025	P	
RHRS	TRHR-3-253	ISI-0393-C 02	C-F-2	C5.51	MT		19961209	R-005	P	
RHRS	TRHR-3-253	ISI-0393-C 02	C-F-2	C5.51	UT-45	BF-77	19961212	R-024	Р	• •
RHRS	TRHR-3-320	ISI-0393-C 09	C-F-2	C5.51	MT		19961209	R-004	P	,
RHRS	TRHR-3-320	ISI-0393-C 09	C-F-2	C5.51	UT-45	BF-96	19961213	R-026	P	
RHRS	TRHR-3-320	ISI-0393-C 09	C-F-2	C5.51	UT-60	BF-95	19961213	R-026	Р	SUPP EXAM
RHRS	TRHR-3-333	ISI-0393-C 09	C-F-2	C5.51	MT		19961211	R-018	Р	
RHRS	TRHR-3-333	ISI-0393-C 09	C-F-2	C5.51	UT-45	BF-98	19961212	R-021	Р	
RHRS	TRHR-3-348	ISI-0393-C 09	C-F-2	C5.51	MT		19961209	R-008	Р.	
RHRS	TRHR-3-348	ISI-0393-C 09	C-F-2	C5.51	UT-45	BF-98	19961209	R-015	P	
RHRS	TRHR-3-348	ISI-0393-C 09	C-F-2	C5.51	UT-60	BF-98	19961210	R-015	Р	SUPP EXAM
RHRS	TRHR-3-348	ISI-0393-C 09	C-F-2	C5.51	UT-70	BF-98	19961210	R-015	P	SUPP EXAM
HRS	TRHR-3-370A	ISI-0393-C 07	C-F-2	C5.51	MT		19970109	R-035	P	•



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

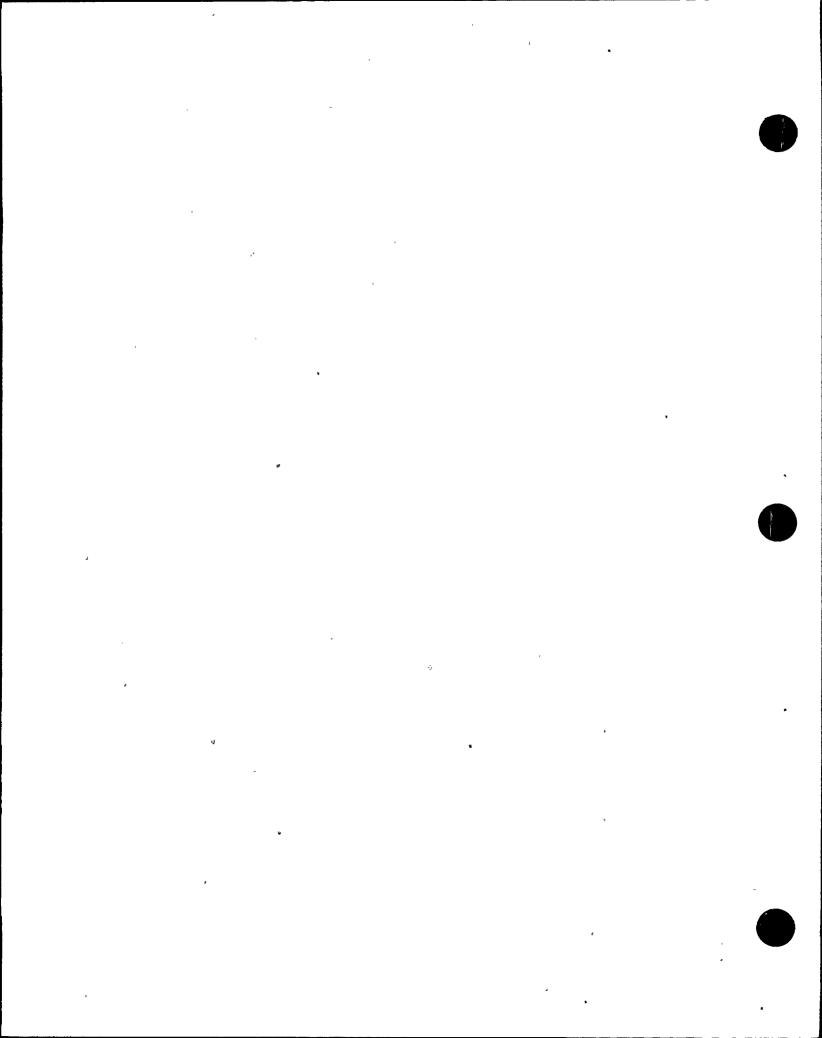
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RHRS	TRHR-3-370A	ISI-0393-C 07	C-F-2	C5.51	UT-45	BF-98	19970116	R-045	Р	
RHRS	TRHR-3-374	ISI-0393-C 07	C-F-2	C5.51	MT		19970121	R-052	P	>
RHRS	TRHR-3-374	ISI-0393-C 07	C-F-2	C5.51	UT-45	BF-98	19970122	R-053	P	
RHRSW	3-47B450-258-IA	CHM-2418-C 02	D-B .	D2.20	VT-3		19970212	R-085	P	
RHRSW	3-478450-300-IA	CHM-2416-C 03	D-B	D2.20	VT-3		19970212	R-086	P	
RHRSW	3-47B450-302-IA	CHM-2416-C 03	D-B	D2.20	VT-3		19970211	R-088	P	
RHRSW	3-47B450-317-IA	CHM-2416-C 03	D-B	D2.20	VT-3		19970210	R-075	P	
RHRSW	3-478450-348-IA	CHM-2416-C 02	D-B	D2.20	VT-3		19970211	R-064	P	
RHRSW	3-47B450-355-IA	CHM-2416-C 03	D-B	D2.20	VT-3		19970211	R-065	P	
RHRSW	3-47B450-382-IA	CHM-2418-C 02	D-B	D2.20	VT-3		19970210	R-073	P	
RHRSW	3-478450-369-IA	CHM-2416-C 03	D-B	D2.20	VT-3		19970211	R-068	P	
RHRSW	3-478450-255-IA	CHM-2418-C 02	D-B	D2.40	VT-3		19970210	R-072	P	•
RHRSW	3-47B450-267-IA	CHM-2416-C 02	D-B	D2.40	VT-3		19970211	R-067	P	
RHRSW	3-47B450-268-IA	CHM-2416-C 02	D-B	D2.40	VT-3		19970210	R-079	P	
RHRSW	3-47B450-279-IA	CHM-2418-C 02	D-8	D2.40	VT-3		19970211	R-068	P	
RHRSW	3-47B450-288-IA	CHM-2418-C 03	D-B	D2.40	VT-3		19970210	R-078	P	
RHRSW	3-47B450-309-IA	CHM-2418-C 03	D-B	D2.40	VT-3		19970210	R-080	P	
RHRSW	3-478450-310-IA	CHM-2416-C 03	D-B	D2.40	VT-3		19970210	R-077	P.	•
RHRSW	3-478450-312-IA	CHM-2416-C 03	D-B	D2.40	VT-3		19970210	R-078	P	
FPCS	3-47B454-529-IA	CHM-2429-C 02	D-C	D3.20	VT-3		19970210	R-070	P	
FWS	3-478415-34	ISI-0338-C 01	F-A	F1.10B	VT-3		19970224	R-114	P	
FWS	3-478415-37	ISI-0336-C 01	F-A	F1.10C	VT-3		19970224	R-112	P	
FWS	3-47B415-39	ISI-0338-C 01	F-A	F1.10C	VT-3		19970224	R-113	P	
MSS	3-47B400-085	ISI-0338-C 01	F-A	F1.10C	VT-3		19970228	R-227	P	
MSS	3-47B400-099	ISI-0338-C 02	F-A	F1.10C	VT-3		19970225	R-124	P	



NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

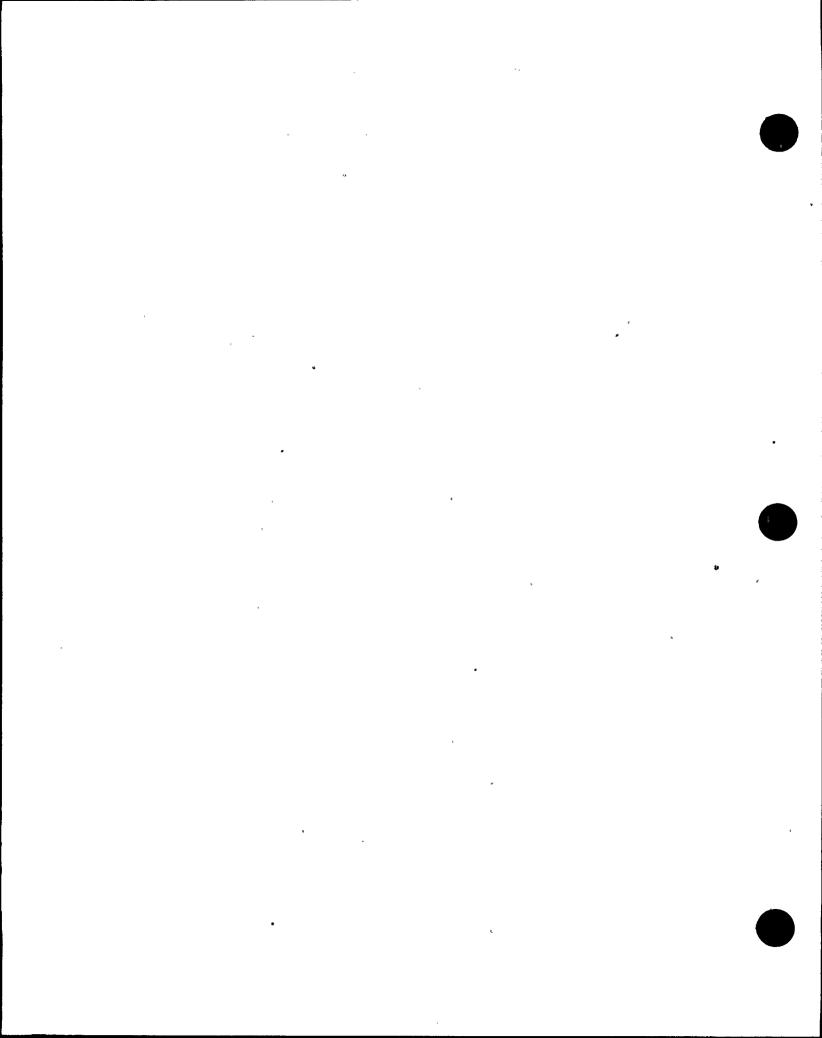
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CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT 89E-02 UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
3-47B400-120	ISI-0338-C 02	· F-A	F1.10C	VT-3		19970225	R-123	Р	
3-47B400-115	ISI-0338-C 02	F-A	F1.10D	VT-3		, 19970225 °	R-125	P	•
3-47B400-116	ISI-0338-C 02	F-A	F1.10D	VT-3		19970225	R-126	P	
3-478452-1406	ISI-0395-C 02	F-A	F1.20A	VT-3		19961213	R-020	, Р	
3-47B452-1416	ISI-0395-C 03	F-A	F1.20A	∨ ग-३		19961209	R-010	P	
3-47B452-1433	ISI-0395-C 05	F-A	F1.20A	VT-3		19970117	R-048	P	
3-47B452-1534	ISI-0395-C 03	F-A	F1.20A	VT-3		19981209	R-011	P	
3-47B452-1543	ISI-0395-C 08	F-A	F1.20A	VT-3		19961210	R-002	P	
3-47B452-1384	ISI-0395-C 07	F-A	F1.20C	VT-3		19970121	R-051	P	
3-478452-1400	ISI-0395-C 02	F-A	F1.20C	VT-3		19961209	R-019	P,	
3-478452-1422	ISI-0395-C 04	F-A	F1.20C	VT-3		19970217	R-095	P	
RHR-3-H-008	ISI-0395-C 10	F-A	F1.20C	VT-3		19961209	R-001	Р	
RHR-3-H-029	ISI-0395-C 11	F-A	F1.20C	VT-3		19970115	R-044	Р	
RHR-3-H-146	ISI-0395-C 12	F-A	F1.20C	VT-3		. 19961210	R-003	P	
3-178300-289	CHM-2416-C 01	F-A	F1.30A	VT-3	•	19970203	R-062	P	
3-47B450-251	CHM-2416-C 02	F-A	F1.30A	VT-3		19970208	R-060	Р	_
3-47B450-267	CHM-2416-C 02	F-A	F1.30A	VT-3		19970205	R-059	Р	
3-47B450-316	CHM-2416-C 03	F-A	F1.30A	VT-3		19970208	R-063	P	
3-478454-529	CHM-2429-C 02	F-A	F1.30B	VT-3		19970210	R-071	P	
3-178300-283	CHM-2418-C 01	F-A	F1.30B	VT-3		19970203	R-061	P	
3-478450-258	CHM-2416-C 02	F-A	F1.30B	VT-3		19970211	R-069	P	
3-478450-300	CHM-2418-C 03	F-A	F1.30B	VT-3		19970210	R-074	P	
3-47B450-302	CHM-2416-C 03	F-A	F1.30B	VT-3		19970211	R-087	P	
3-47B450-309	CHM-2418-C 03	F-A	F1.30C	VT-3	9	19970210	R-081	Р	
	Identification 3-47B400-120 3-47B400-115 3-47B400-116 3-47B452-1408 3-47B452-1418 3-47B452-1433 3-47B452-1534 3-47B452-1543 3-47B452-1543 3-47B452-1400 3-47B452-1400 3-47B452-1402 RHR-3-H-008 RHR-3-H-029 RHR-3-H-146 3-17B300-289 3-47B450-251 3-47B450-316 3-47B450-258 3-47B450-258 3-47B450-258 3-47B450-300 3-47B450-300	Identification	Identification	Category Number	Manufaction Drawing/Sht Category Number Schedule	Identification	Identification Drawing/Sht Category Number Schedule Standard Date 3-478400-120 ISI-0338-C 02 F-A F1.10C VT-3 19970225 3-478400-115 ISI-0338-C 02 F-A F1.10D VT-3 19970225 3-478400-116 ISI-0338-C 02 F-A F1.10D VT-3 19970225 3-478452-1408 ISI-0395-C 02 F-A F1.20A VT-3 19961203 3-478452-1418 ISI-0395-C 03 F-A F1.20A VT-3 19961209 3-478452-1433 ISI-0395-C 05 F-A F1.20A VT-3 19961209 3-478452-1534 ISI-0395-C 03 F-A F1.20A VT-3 19961209 3-478452-1433 ISI-0395-C 08 F-A F1.20A VT-3 19961209 3-478452-1443 ISI-0395-C 07 F-A F1.20C VT-3 19961209 3-478452-1442 ISI-0395-C 02 F-A F1.20C VT-3 19961209 3-478452-1400 ISI-0395-C 04 F-A <td< td=""><td>Identification Drawing/Sht Category Number Schedule Standard Date Report 3-478400-120 ISI-0338-C 02 F.A F1.10C VT-3 19970225 R-123 3-478400-115 ISI-0338-C 02 F.A F1.10D VT-3 19970225 R-125 3-478400-116 ISI-0338-C 02 F.A F1.10D VT-3 19961213 R-020 3-478452-1408 ISI-0395-C 02 F.A F1.20A VT-3 19961203 R-010 3-478452-1418 ISI-0395-C 03 F.A F1.20A VT-3 19961209 R-010 3-478452-1433 ISI-0395-C 05 F.A F1.20A VT-3 19961209 R-011 3-478452-1534 ISI-0395-C 03 F.A F1.20A VT-3 19961210 R-062 3-478452-1543 ISI-0395-C 08 F.A F1.20A VT-3 19961210 R-022 3-478452-1400 ISI-0395-C 02 F.A F1.20C VT-3 19970217 R-051 3-478452-1422</td><td> Sentification Drawing/Sht Category Number Schedule Standard Date Report Results </td></td<>	Identification Drawing/Sht Category Number Schedule Standard Date Report 3-478400-120 ISI-0338-C 02 F.A F1.10C VT-3 19970225 R-123 3-478400-115 ISI-0338-C 02 F.A F1.10D VT-3 19970225 R-125 3-478400-116 ISI-0338-C 02 F.A F1.10D VT-3 19961213 R-020 3-478452-1408 ISI-0395-C 02 F.A F1.20A VT-3 19961203 R-010 3-478452-1418 ISI-0395-C 03 F.A F1.20A VT-3 19961209 R-010 3-478452-1433 ISI-0395-C 05 F.A F1.20A VT-3 19961209 R-011 3-478452-1534 ISI-0395-C 03 F.A F1.20A VT-3 19961210 R-062 3-478452-1543 ISI-0395-C 08 F.A F1.20A VT-3 19961210 R-022 3-478452-1400 ISI-0395-C 02 F.A F1.20C VT-3 19970217 R-051 3-478452-1422	Sentification Drawing/Sht Category Number Schedule Standard Date Report Results



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UNIT: THREE

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APPENDIX II SUMMARY OF INDICATIONS

BROWNS FERRY UNIT 3 SHROUD INSPECTION HATCHED AREAS REPRESENT AREAS SCANNED 360° 350° 340° 330° 320° 78.42* . H1 0 **H2** N/A 320 **H3** N/A RECORD SCAN CONERACE 71.31 **H4** PURPOSE **H5** 59.53* 250. 240. 230. 230. 230. 220. 170. 110. 110. 110. 20. 20. 20. 20. 20. 20. 20. **H6** 60.67* 59.67* **H7** 2 N/A BFN-3 SHOOK NO. NOTE: THIS SIETICH IS FOR IS! PROCUME USE ONLY AND SHILL NOT BE USED FOR FARRICATOR/SISTALLATOR. SCANCOV SHROUD UT SCAN COVERACE

BROWNS FERRY NUCLEAR U3C7 Ultrasonic Examination of the RPV Core Spray Piping

Commencing February 26, 1997 GE Nuclear Energy performed an ultrasonic examination of the core spray piping internal to the RPV at the TVA, Browns Ferry Nuclear Unit 3. The examinations were performed utilizing GE's CSI-2000 examination system. The CSI 2000 examination system is a computer controlled multi-axis robotic inspection tool that is delivered to the inspection areas by a remote operated vehicle (ROV).

The examination scope included the P4a, P4b, P4c, P5, P6, P7, P8a, and P8b weldments of all 4 core spray downcomer lines (32 total exams). Analysis of the ultrasonic data from the inspection concluded with the following findings:

Downcomer Elbow Examinations

Welds P4a, P4b, P4c, and P4d are welds associated with one of the two elbows in each piping run. The 1st elbow is used to turn the piping system vertically downward at the end of the horizontal header piping run (P4a, P4b). The second elbow is at the lower elevation of the downcomer piping run and is utilized to turn the piping towards the shroud penetrations (P4c, P4d). Weld P4d is inaccesible for examination with the CSI system.

Welds AP4a, BP4a, CP4a and DP4a were limited in examination coverage due to scanner interference with the reactor pressure vessel wall.

The examinations were performed as a one sided examination from the piping side of the configuration using 60° and 70° shear wave transducers. No reportable indications were found during the P4 weld examinations.

Downcomer Sleeve Examinations

Welds P5, P6, and P7 are welds associated with the coupler sleeve (slip joint) configuration of each downcomer piping run. This configuration consists of inner and outer sleeve components which are slip fitted between the upper and lower levels of the downcomer piping. This design utilizes fillet welds connecting the components.

The examinations were performed from both sides of each weld within this configuration using 60° and 70° shear wave transducers. No reportable indications were found during the P5, P6, and P7 weld examinations.

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Summary of Indications

Indications detected during the performance of examinations for Browns Ferry Nuclear Plant Unit 3 Cycle 7 were evaluated in accordance with approved written procedures. Generally, examination results yielded either No Recordable Indications (NRI) or Recordable Indications.

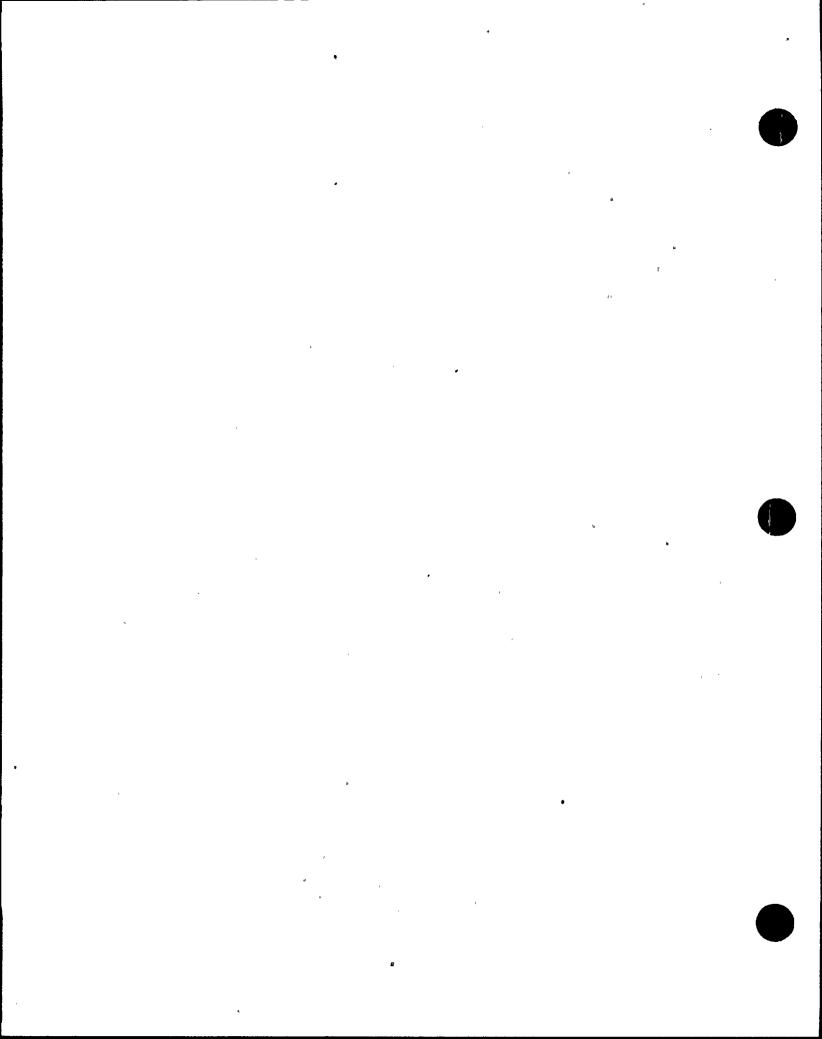
Recordable Indications were evaluated to determine their origin. Indications determined to be of a geometric, metallurgical, or similar origin were typically dispositioned as non-relevant. Indications determined to be of a non-geometric, non-metallurgical, or similar origin were typically dispositioned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

The following list is a summary of indications detected and their disposition during the Unit 3 Cycle 7 outage.

NOI#	CODE CATEGORY	COMPONENT IDENTIFICATION	INDICATION DESCRIPTION	RESOLUTION	REPORT#
U3C7001	C-C	3-47B452-1384-IA	Unacceptable surface condition for MT exam	Buffed weld to meet acceptable NDE and size requirements.	Report # R-054 and R-149
U3C7002	B-M-2	3-FCV-74-68	Gouge in valve internal surface	Accepted-as-is	Report # R-148
U3C7003	B-G-2	3-FCV-74-68	Gouges in valve bolting material (nuts and studs)	Replaced bolting. Bolting damaged by assembly / disassembly process	Report # R-150 and R-180
U3C7004	B-K-1	3-47B458-566-IA	Rounded PT indication	Removed Indication by cosmetic buffing only.	Report # R-193 and R-202

ADDITIONAL SAMPLES

No additional examinations were required in the Unit 3 Cycle 7 refueling outage.



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APPENDIX III

UNIT 3 CYCLE 7 AUGMENTED EXAMINATION SUMMARY

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AUGMENTED EXAMINATION SUMMARY

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 7 outage and references the corresponding paragraph in 3-SI-4.6.G.

CRD REROUTE	7.11.2
IGSCC	7.11.3
IVVI	7.11.4
RV SHROUD	7.11.4
PIPE WHIP	7.11.6

CRD RETURN LINE REROUTE

Paragraph 7.11.2, The CRD Return Line Reroute augmented examination requirements are in accordance with NUREG-0619.

The welded connections joining the Rerouted CRD Return Line to the Reactor Water Clean-up system were examined for three consecutive refueling outages. Welds RCRD-3-03, RCRD-3-44 and RCRD-3-45 were ultrasonically examined in Cycle 4, Cycle 5, and Cycle 7 in accordance with NUREG-0619.

In accrdance with NUREG-0619, Section 8.3, reporting is required within 6 months after an inspection has been performed. Welds RCRD-3-03, RCRD-3-44 and RCRD-3-45 had no rejectable indications. These examinations satisfy the requirements for NUREG-0619 and no furthur action is required. These welds in the future will be examined in accordance with normal inservice inspection schedules.

IGSCC

الطورية

Paragraph 7.11.3 Augmented Examination of Austenitic Stainless Steel and Dissimilar Metal Welds Susceptible to IGSCC (Generic Letter 88-01 and NUREG-0313, Revision 2)

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

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degrees F during power operation shall be examined. The IGSCC examination results are contained in Section 2 of this Appendix.

Reference: Generic Letter 88-01 and NUREG-0313, Rev. 2

NUREG-0313 CATEGORY	TOTAL NUMBER OF WELDS	WELDS EXAMINED DURING U3/C7 Outage
Α	67	5
В	N/A	N/A
С	84	0
D	2	0
Е	9 .	9
F	N/A	N/A
G	2	2 (VT-2)

Examination Results Summary:

No new IGSCC flaws were detected. Previously detected flaws were sized and comparisons were made with data taken during prior cycles. Overlay weld, GR-3-59, Category E Recirculation System revealed growth in length and through-wall. Original flaw height was 0.2" and length was intermittent in 1992, present flaw height is 0.65" and length is continuous (reference report number R-183). Overlay weld GR-3-59, was evaluated and was acceptable in accordance with NUREG 0313.

IN VESSEL VISUAL INSPECTION (IVVI) PARAGRAPH 7.11.4

General Electric Nuclear Energy performed in vessel visual inspections of the Browns Ferry Nuclear Plant Unit 3 reactor vessel internals. All examinations were augmented with no ASME Section XI Code credit. Invessel Visual Examination Summary Report is in Section 1 of this Appendix.

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ULTRASONIC EXAMINATION OF THE RPV SHROUD PARARGRAPH 7.11.4

GE Nuclear Energy performed an ultrasonic examination of the Browns Ferry Nuclear Plant Unit 3 reactor vessel shroud. The reactor vessel shroud ultrasonic examination summary report is in Section 1 of this Appendix.

PIPE WHIP

3 120

PARAGRAPH 7.11.6

Additional ultrasonic examinations are performed each inspection interval on selected circumferential pipe welds in accordance with Technical Specification Surveillance Requirement 4.6.G. The ultrasonic examination results are contained in Section 2 of this Appendix.

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UNIT: THREE

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX III

SECTION 1.0

IVVI SUMMARY RPV SHROUD SUMMARY RPV CORE SPRAY PIPING SUMMARY

INVESSEL VISUAL EXAMINATION SUMMARY REPORT

INTRODUCTION

During the period of February 26, 1997 through March 8, 1997, General Electric Nuclear Energy personnel performed an Invessel Examination (IVVI) of the Brown's Ferry Nuclear Plant Unit 3 (BFNP-3) reactor pressure vessel (RPV) internals. The invessel examination was conducted in accordance with the requirements of TVA Brown's Ferry Procedure 2-SI-4.6 G and Work Order 97-001342-000. This section describes the procedures and techniques utilized, examination personnel, and the results of the examinations.

EXAMINATION PROCEDURES

The following General Electric procedure was used for the examination.

VT-BFN-202V1, Rev. 0 Invessel Inspection (IVVI) for BWR-4 Reactor Pressure Vessel Internals

A copy of that procedure is contained in section 3 of this report.

EXAMINATION PERSONNEL

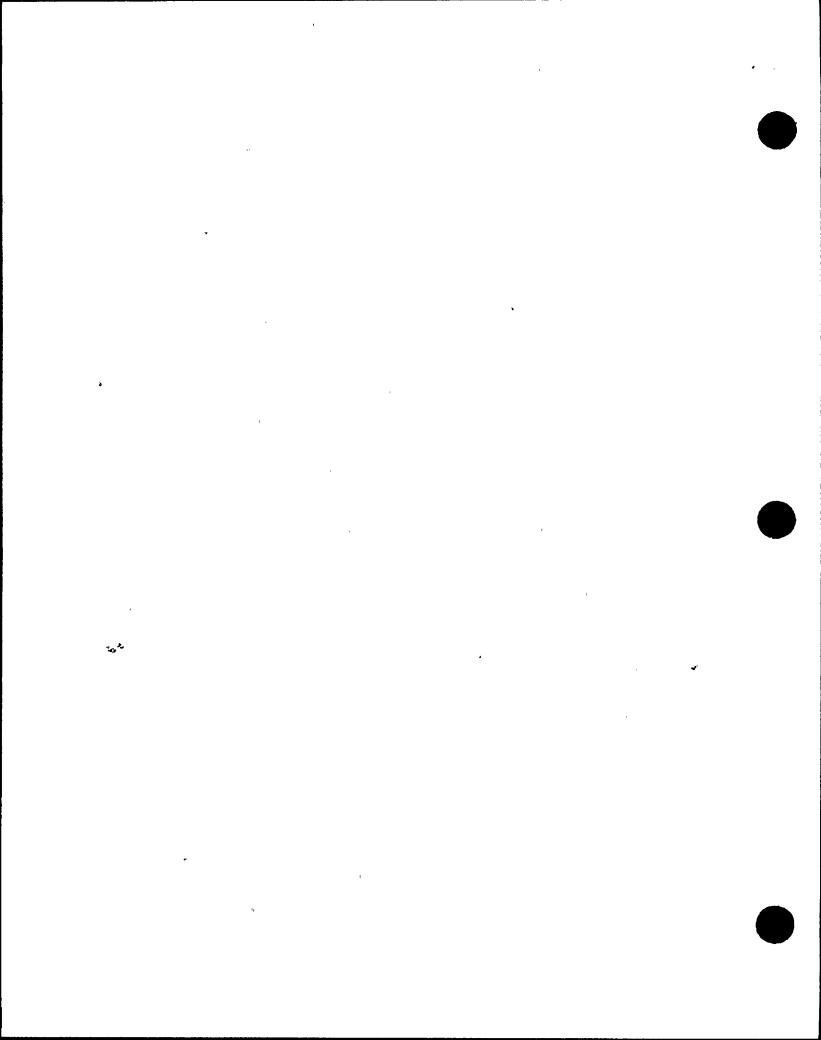
The following list identifies the certification levels of the General Electric visual examination personnel who performed the IVVI.

Name	Visual/IVVI Examiner Le
J. Adam	Level II
J. Bertolucci	Level II
M. Clancy	Level II
J. Green	Level II
J. Kegel	Level II
B. Munn	Level II
A. Phillips	Level II
R. Whitaker	Level II
J. Briggs	Level III
D. Henry	Level III
M. Newsom	Level III

EXAMINATION TECHNIQUES

General

The examinations were performed using a remote RCS 2100 color camera and an ETV 1250 black -and-white camera, both CCTV equipment. Both cameras were used with straight lenses; however the color camera did have pan and tilt capability. Most of the examinations were performed using the RCS 2100. The ETV 1250 was used only for additional radiation tolerance, for reexaminations (to take advantage of





INVESSEL VISUAL EXAMINATION SUMMARY REPORT

differences in lighting and angle of view), and when an additional camera was needed for parallel path work. The examinations were performed using hand held techniques. The camera resolution standard used for examinations, performed using procedure VT-BFN-202V1. VT-1 and VT-3 examinations were performed using a resolution standard of a 1/32 inch black line on an 18% neutral gray background. MVT-1 examinations were performed using a resolution standard of a 1 mil diameter fine wire. EVT-1 examinations were performed using a resolution standard of a 1/2 mil fine wire. The resolution was verified for each series of component examinations, when equipment was changed, or at least every 12 hours during examinations, except for "information" examinations as identified in the Tape Log.

EXAMINATION RESULTS

The examination results presented in this section discuss the evaluation of indications found during the examinations. The results of the examinations and VIDS digital photographs from the video tapes of these examinations are included in this report.

Relevant Indications

- 1. Two small linear indications were observed on the Downcomer C elbow in the heat-affected zone of Weld P4d. Note that the weld numbering system used is in accordance with BWRVIP-18 (EPRI Report EPRI TR-106740, July 1996) The indications were located at approximately the 2:00 position on the weld (clockwise around the weld as if looking into the core from the outside of the shroud). The indications were estimated as 1/4 inch and 1/2 inch long, separated by a distance of 1/8 inch. The separation of the two indications at the toe of the weld is estimated as at least 3/8 inch. The estimate was based only on relative magnifications and viewing of the resolution standard (which is subject to some error).
- 2. A linear indication was observed on one of two tack welds on the set screw on shroud-side of the restrainer on Jet Pump number 6. The other tack weld was examined to the extent possible, due to limited access caused by a riser brace clamp, and observed to be sound. Also the set screw was observed to be in direct contact with the mixer (i.e., no gaps were observed.)
- 3. Two areas with indications which had been identified in 1991 in Core Spray header piping near the T-Boxes at 120° and 240° were examined to monitor these areas for change. In one area the indication was located in the base metal on the left side of the 120° T-Box and had originated from an arc strike. In the other area, the indication was located in the header piping on the left side of the 240° T-Box in the heat-affected zone (HAZ). Neither area exhibited discernible growth from that which had been previously reported.
- 4. An indication which had been reported on the Steam Dryer upper bank panel at 160° was examined to monitor for change. The indication was actually located on an upper bank panel at approximately 305°, but was easily distinguished from other marks on the dryer and identified by comparison with the video tape from the 1991 examination. This indication appears to be a mechanically induced mark (scratch), rather than any kind of cracking, and exhibited no change from 1991.
 - 5. An indication area which had been identified in 1991 on the Core Spray Downcomer D (352.5°) lower elbow in the base metal was examined to monitor for change. The indication was observed to be greatly reduced in length, such that it appears to have been a scratch or scrape which is now being obscured by oxide coating (crud) deposited on the surface. This indication was evaluated as nonrelevant.



BROWN'S FERRY NUCLEAR PLANT UNIT 3 CYCLE 7 FEBJMARCH 1997

INVESSEL VISUAL EXAMINATION SUMMARY REPORT

Nonrelevant Indications

There were some areas that contained indications that were determined to be nonrelevant. These areas included the core spray sparger and piping. Many of these indications can be attributed to the coating of material that builds up selectively on the component surfaces. Many of these indications are commonly referred to as witness marks which result from disturbance of the coating by camera cables, invessel tools or fixtures. Other indications can be caused by scratches and dings or component features whose appearance is affected by the camera angle or lighting. Any indications which were suspected of being relevant service-related conditions, such as cracks, were investigated by reexamination using adjustments in camera angle, viewing distance, and/or lighting. Numerous scratches and grind marks were observed on many of the various components.

BROWNS FERRY NUCLEAR U3C7 Ultrasonic Examination of the RPV Shroud

Commencing March 3, 1997 GE Nuclear Energy performed an ultrasonic examination of the TVA, Browns Ferry Nuclear Unit 3 RPV shroud. The examinations were performed using GE's O.D. tracker scanner system. The examination scope included the H-1, H-4, H-5, H-6, and H-7 circumferential welds. Analysis of the ultrasonic data from the inspection concluded with the following findings:

The H-1 weld was a one sided examination performed from the lower, plate side of the weld using a 45° shear wave, 60° refracted longitudinal wave and O.D. creeping wave transducers. Approximately 78.4% of the weld was interrogated ultrasonically with major obstructions being the shroud lifting lugs, core spray downcomers, shroud lifting lugs, vibration instrumentation lugs and steam separator guide pins. A total of ten (10) reportable indications were found with a total flaw length of 10.84° (20.81").

The H-4 weld was a two sided examination performed from the upper and lower sides of the weld using a 45° shear wave, 60° refracted longitudinal wave and O.D. creeping wave transducers. Approximately 71.3% of the weld was interrogated ultrasonically with major obstructions being the shroud lifting lugs, core spray downcomers, shroud lifting lugs, vibration instrumentation lugs and steam separator guide pins. A total of seven (7) reportable indications were found with a total flaw length of 7.25° (13.92").

The H-5 weld was a one sided examination performed from the upper, plate side of the weld using a 45° shear wave, 60° refracted longitudinal wave and O.D. creeping wave transducers. Approximately 59.5% of the weld was interrogated ultrasonically with major obstructions being the shroud lifting lugs, core spray downcomers, vibration instrumentation lugs and lines, and steam separator guide pins. A total of thirty-nine (39) reportable indications were found with a total flaw length of 79.44° (143.59").

The H-6 weld was a one sided examination performed from the lower, plate side of the weld using a 45° shear wave, 60° refracted longitudinal wave and O.D. creeping wave transducers. Approximately 60.7% of the weld was interrogated ultrasonically with major obstructions being the shroud lifting lugs, core spray downcomers, vibration instrumentation and lines, and steam separator guide pins. There were no reportable indications.

The H-7 weld was examined from the upper, plate side of the weld using a 45° shear wave, 60° refracted longitudinal wave and O.D. creeping wave transducers. Approximately 59.7% of the weld was interrogated ultrasonically with major obstructions being the shroud lifting lugs, core spray downcomers, vibration instrumentation lugs and lines, and steam separator guide pins. A total of 5 (five) reportable indications were found with a total flaw length of 5.26° (9.21").

Shroud Collar Examinations

The downcomer piping after it turns from the lower elbow is connected to the sparger piping T-Box which is located on the inside of the core shroud. This is accomplished utilizing welds P4d (elbow weld to shroud pipe) and hidden weld P9 (shroud pipe to sparger T-box). The shroud pipe is also connected to a collar assembly (P8a) which attaches the configuration to the shroud OD (P8b).

The examinations were performed as one sided examinations from the collar side of the configurations using 60° and 70° shear wave transducers. The examination of weld P8b (collar to shroud) on the C downcomer resulted in 3 reportable indications with a total flaw length of 284° (19.83"). The remaining shroud collar examinations resulted in no reportable indications.

The summary sheets for the welds that have a full penetration configuration and have geometry recorded by the 60° and 70° shear wave transducers should read that this geometry is typical for all of the full penetration weld configurations.

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UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX III

SECTION 2.0

AUGMENTED EXAMINATION SUMMARY

OFFICE OF NUCLEAR POWER

1101 MARKET STREET

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.

UNIT 3 CYCLE 7 ISI REPORT OF AUGMENTED EXAMINATIONS

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B01-02

UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
CRDS	RCRD-3-44	ISI-0332-C 02	7112	NU0819	UT-45	BF-01	19970224	R-167	P	
CRDS	RCRD-3-44	ISI-0332-C 02	7112	NU0619	UT-60	BF-01	19970224	R-167	P	
CRDS	RCRD-3-44	ISI-0332-C 02	7112	NU0619	UT-CR	BF-35	19970224	R-167	P	
CRDS	RCRD-3-45	ISI-0332-C 02	7112	NU0619	UT-45	BF-35	19970224	R-169	P	
CRDS	RCRD-3-45	ISI-0332-C 02	7112	NU0619	UT-45	BF-29	19970224	R-169	P	
CRDS	RCRD-3-45	ISI-0332-C 02	7112	NU0519	UT-CR	BF-29	19970224	R-169	P	
CRDS	RCRDS-3-03	ISI-0332-C 02	7112	NU0819	UT-45	BF-35	19970224	R-168	P	
CRDS	RCRDS-3-03	ISI-0332-C 02	7112	NU0819	UT-CR	BF-35 _.	19970224	R-168	P	

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

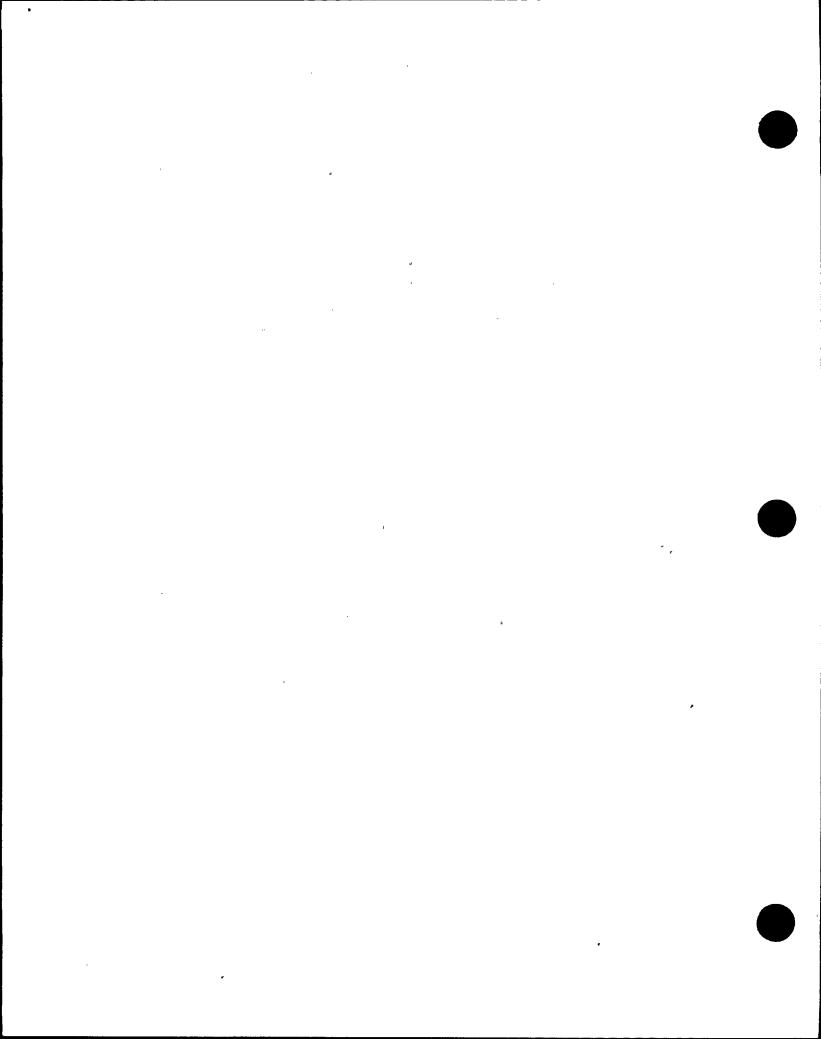
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B02-02 UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Identification	ISI Drawing/Sht	Exam Category	ltem Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RECIR	RWR-3-001-G017	ISI-0328-C 01	A	NU0313	UT-45	BF-79	19970227	R-187	Р	
RECIR	RWR-3-001-G017	ISI-0328-C 01	A	NU0313	UT-60	BF-79	19970227	R-187	P	SUPP EXAM
RECIR	RWR-3-001-G020	ISI-0328-C 01	A	NU0313	UT-45	BF-79	19970227	R-186	P	•
RECIR	RWR-3-001-G020	ISI-0328-C 01	A	NU0313	UT-60	BF-79	19970227	R-186	P	SUPP EXAM
RECIR	RWR-3-002-G006	ISI-0328-C 02	A	NU0313	UT-45	BF-79	19970228	R-189	P	
RECIR	RWR-3-002-G012	ISI-0328-C 02	A	NU0313	UT-45	BF-79	19970301	R-208	P	•
RWCUS	RWCU-3-001-G020	" ISI-0332-C 01	A	NU0313	UT-45	BF-31	19970228	R-147	P	
RWCUS	RWCU-3-001-G020	ISI-0332-C 01	A	NU0313 -	UT-80L	BF-31	19970226	R-147	P	
RECIR	GR-3-03(OL)	ISI-0328-C 01	E	NU0313	UT-60L	BF-83	19970224	R-122	P	
RECIR	GR-3-03(OL)	ISI-0328-C 01	ε	NU0313	UT-70L	*BF-83	19970224	R-122	P	
RECIR	GR-3-03(OL)	ISI-0328-C 01	Ε	NU0313	UT-CR	BF-83	19970224	R-122	Р	
RECIR	GR-3-27(OL)	ISI-0328-C 02	Ε	NU0313	UT-60L	BF-83	19970225	R-151	Р	
RECIR	GR-3-27(OL)	ISI-0328-C 02	E	NU0313	UT-70L	BF-83	19970225	R-151	P	
RECIR	GR-3-53(OL)	ISI-0328-C 01	E	NU0313	UT-60L	BF-83	19970227	R-170	P	
RECIR	GR-3-53(OL)	ISI-0328-C 01	Ε	NU0313	UT-70L	BF-83	19970227	R-170	P	
RECIR	GR-3-54(OL)	ISI-0328-C 01	E	NU0313	UT-60L	BF-83	19970225	R-132	Р	
RECIR	GR-3-54(OL)	ISI-0328-C 01	E	NU0313	UT-70L	BF-83	19970225	R-132	P	
RECIR	GR-3-57(OL)	ISI-0328-C 01	E	NU0313	UT-60L	BF-83	19970224	R-145	P	
RECIR	GR-3-57(OL)	ISI-0328-C 01	E	NU0313	UT-70L	BF-83	19970224	R-145	ρ.	ſ
RECIR	GR-3-59(OL)	ISI-0328-C 02	E	NU0313	UT-60L	BF-83	19970227	R-183	P	BFPER970437
RECIR	GR-3-59(OL)	ISI-0328-C 02	Ε	NU0313	UT-70L	BF-83	19970227	R-183	Р	BFPER970437
RECIR	GR-3-60(OL)	ISI-0328-C 02	E	NU0313	UT-60L	BF-83	19970227	R-182	P	
RECIR	GR-3-60(OL)	ISI-0328-C 02	E	NU0313	UT-70L	BF-83	19970227	R-182	P	
RECIR	GR-3-64(OL)	ISI-0328-C 02	E	NU0313	UT-60L	BF-83	19970224	R-129	Р	
RECIR	GR-3-84(OL)	ISI-0328-C 02	E	NU0313	UT-70L	BF-83	19970224	R-129	Р	*



NUCLEAR POWER GROUP

1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B02-02

System	Component Identification	ISI Drawing/Sht	Exam Calegory	Kem Number	Exem Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
										<u></u>
RHRS	DSRHR-3-11(OL)	ISI-0330-C 01	, E	Regun	UT-60L	BF-48	19970224	R-128	P	
RHRS	OSRHR-3-11(OL)	ISI-0330-C 01	Ε	NU0313	UT-70L	BF-48	19970224	R-128	P	
RHRS	DRHR-3-03B	ISI-0330-C 01	G	NU0313	VT-2		19970310	R-285	P	
RHRS	DRHR-3-13B	ISI-0330-C 01	G	NU0313	VT-2		19970310	R-285	P	

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

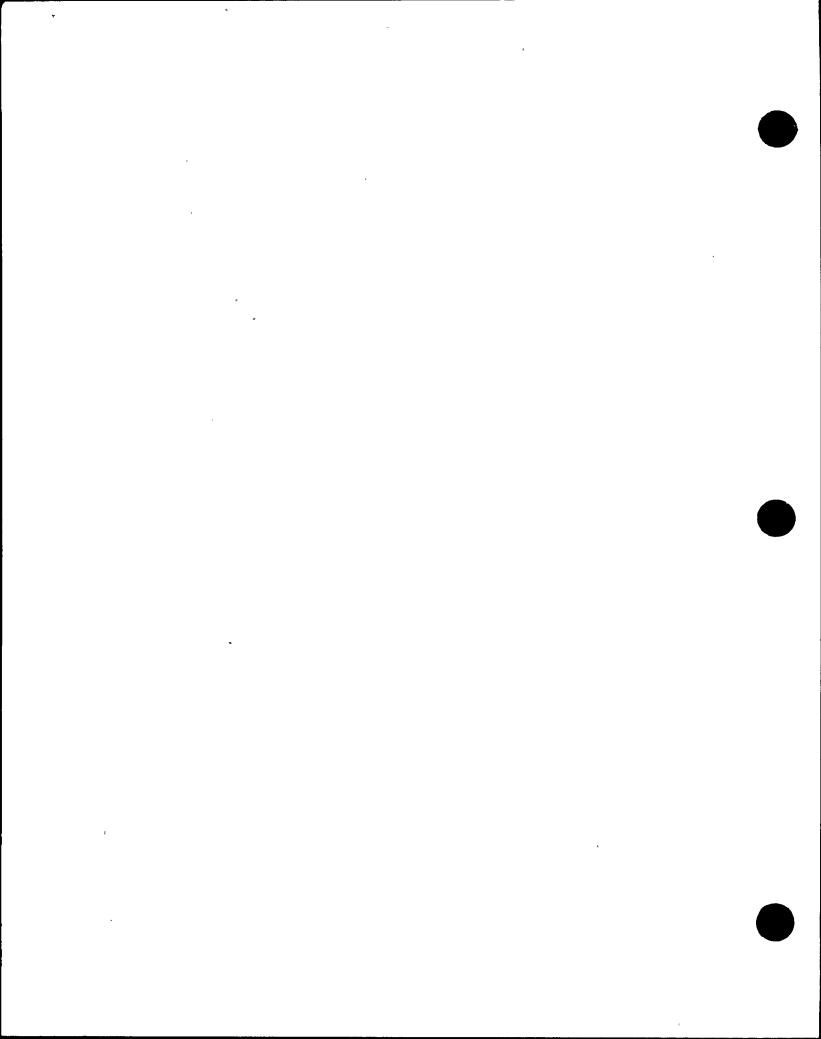
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B03-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	N5A-CS-SPAR/PIPE-B	ISI-0220-C 01	B-N-1	IE8013	VT1M		19970314	R-268	Р	SPARGER TO PIPE
RPV	N5A-CS-SPAR/PIPE-D	ISI-0220-C 01	B-N-1	IE8013	VT1M		19970314	R-268	P	SPARGER TO PIPE
RPV	N5B-CS-SPAR/PIPE-A	ISI-0220-C 01	B-N-1	IE8013	VT1M		19970314	R-268	P	SPARGER TO PIPE
RPV	N5B-CS-SPAR/PIPE-C	ISI-0220-C 01	B-N-1	IE8013	VT1M		19970314	R-268	P	SPARGER TO PIPE
RPV	CSLPA-TBX-120AS	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	P	ARC STRIKE (R0)
RPV	CSLPA-TBX-120RB	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	P	NOI-C5B-058
RPV	CSLPB-ELB-350	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	P	LINEAR IND. (350)
RPV	CSLPB-TBX-240	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	P	LINEAR IND. (240)
RPV	CSLPB-TBX-240RB	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	P	NOI-C5B-057
RPV	CSLPBDNCMRD355	IVVI EXAM	GE LTR	71142	VT1M		19970314	R-268	Р	ARC STRIKE (355)
RPV	CSLPAPS&B	IVVI EXAM	IEB801	71142	VT1M		19970314	R-268	P	VT - 1 MIL WIRE, HEADER BKT
RPV	CSLPBPS&B	IVVI EXAM	1EB801	71142	VT1M		19970314	R-268	P	VT - 1 MIL WIRE, HEADER BKT
RPV	CS-DNCMRA-007	IVVI EXAM	SIL289	71141	VT1M		19970314	R-268	P	IEB 80-13/GESIL-289 R151
RPV	CS-DNCMRA-4A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-AP4A
RPV	CS-DNCMRA-4A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-AP4A
RPV	CS-DNCMRA-4B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-AP4B
RPV	CS-DNCMRA-4B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-AP4B
RPV	CS-DNCMRA-4C	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	FREF GE RC97-AP4C
RPV	CS-DNCMRA-4C	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-AP4C
RPV	CS-DNCMRA-ID	IVVI EXAM	VIP-18	71141	EVT .		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-13
RPV	CS-DNCMRA-5	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	٠.6	REF GE RC97-AP5
RPV	CS-DNCMRA-5	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	Р *-	REF GE RC97-AP5
RPV	CS-DNCMRA-6	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	Р	REF GE RC97-AP6
RPV	CS-DNCMRA-8	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	NEF GE RC97-AP6
RPV	CS-DNCMRA-7	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-AP7



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

PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B03-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Callbration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CS-DNCMRA-7	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	Р	REF GE RC97-AP7
RPV	CS-DNCMRA-8A	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-13
RPV	CS-DNCMRA-8A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-AP8A
PV	CS-DNCMRA-8A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-AP8A
PV	CS-DNCMRA-8B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970309	R-267	P	REF GE RC97-AP8B
PV	CS-DNCMRA-8B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970309	R-267	P	REF GE RC97-AP8B
PV	CS-DNCMRB-172	IVVI EXAM	VIP-18	71141	VT1M		19970314	R-268	P	IEB 80-13/GESIL-289 R151
PV	CS-DNCMRB-4A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP4A
PV	CS-DNCMRB-4A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP4A
PV	CS-DNCMRB-4B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP4B
PV	CS-DNCMRB-4B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP48
PV	CS-DNCMRB-4C	IVVI EXAM	VIP-18	71141	UT-80	020501	19970310	R-267	P	REF GE RC97-BP4C
PV	CS-DNCMRB-4C	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP4C
PV	CS-DNCMRB-4D	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-14
PV	CS-DNCMRB-5	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP5
PV	CS-DNCMRB-6	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP5
PV	CS-DNCMRB-6	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP6
PV	CS-DNCMRB-6	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP6
PV	CS-DNCMRB-7	IVVI EXAM	VIP-18	71141	ÛT-60	020501	19970310	R-267	P	REF GE RC97-BP7
PV	CS-DNCMRB-7	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP7
PV	CS-DNCMRB-8A	IVVI EXAM	VIP-18	71141	EVT	•	19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-14
PV	CS-DNCMRB-8A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP8A
PV	CS-DNCMRB-8A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-BP8A
PV	CS-DNCMRB-8B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-BP8B
RPV	CS-DNCMRB-8B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	Р	REF GE RC97-BP8B

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B03-02 UNIT: THREE CYCLE: 7 COMMERCIAL SERVICE DATE: MARCH 1, 1977 NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CS-DNCMRC-187	IVVI EXAM	VIP-18	71141	VT1M		19970314	R-268	P	IEB 80-13/GEŚIL-289 R151
RPV	CS-DNCMRC-4A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP4A
RPV	CS-DNCMRC-4A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP4A
RPV	CS-DNCMRC-4B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP4B
RPV	CS-DNCMRC-4B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP4B
RPV	CS-DNCMRC-4C	IVVI EXAM	VIP-18	71141	UT-80	020501	19970310	R-267	P	REF GE RC97-CP4C
RPV	CS-DNCMRC-4C	* IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP4C
RPV	CS-DNCMRC-4D	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BFPER9705
RPV	CS-DNCMRC-5	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP5
RPV	CS-DNCMRC-5	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP5
RPV	CS-DNCMRC-6	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP8
RPV	CS-DNCMRC-8	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP6
RPV	CS-DNCMRC-7	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP7
RPV	CS-DNCMRC-7	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP7
RPV	CS-DNCMRC-8A	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-15
RPV	CS-DNCMRC-8A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-CP8A
RPV	CS-DNCMRC-8A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP8A
RPV	CS-DNCMRC-8B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	FREF GE RC97-CP8B
RPV	CS-DNCMRC-8B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-CP8B
RPV	CS-DNCMRD-352	IVVI EXAM	VIP-18	71141	VT1M	•	19970314	R-268	P	IEB 80-13/GESIL-289 R151
RPV	CS-DNCMRD-4A	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-DP4A
RPV	CS-DNCMRD-4A	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-DP4A
RPV	CS-DNCMRD-4B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	Р	"REF GE RC97-DP4B
RPV	CS-DNCMRD-4B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	Р	EF GE RC97-DP4B
RPV	CS-DNCMRD-4C	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	Р	REF GE RC97-DP4C



OWNER: TENNESSEE VALLEY AUTHORITY **NUCLEAR POWER GROUP**

> 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B03-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CS-DNCMRD-4C	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	Р	REF GE RC97-DP4C
RPV	CS-DNCMRD-4D	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-18
RPV	CS-DNCMRD-5	IVVI EXAM	VIP-18	71141	UT-80	020501	19970310	R-267	P	REF GE RC97-DP5
RPV	CS-DNCMRD-5	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-DP5
RPV	CS-DNCMRD-6	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-DP6
RPV	CS-DNCMRD-6	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-DP6
RPV	CS-DNCMRD-7	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-DP7
RPV	CS-DNCMRD-7	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-DP7
RPV	CS-DNCMRD-8A	IVVI EXAM	VIP-18	71141	EVT		19970314	R-268	P	VT - 1/2 MIL WIRE, BF3-1V97-16
RPV	CS-DNCMRD-8A	IVVI EXAM	VIP-18	71141	UT:70	020501	19970310	R-267	P	REF GE RC97-DP8A
RPV	CS-DNCMRD-8B	IVVI EXAM	VIP-18	71141	UT-60	020501	19970310	R-267	P	REF GE RC97-DP8B
RPV	CS-DNCMRD-8B	IVVI EXAM	VIP-18	71141	UT-70	020501	19970310	R-267	P	REF GE RC97-DP8B

NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

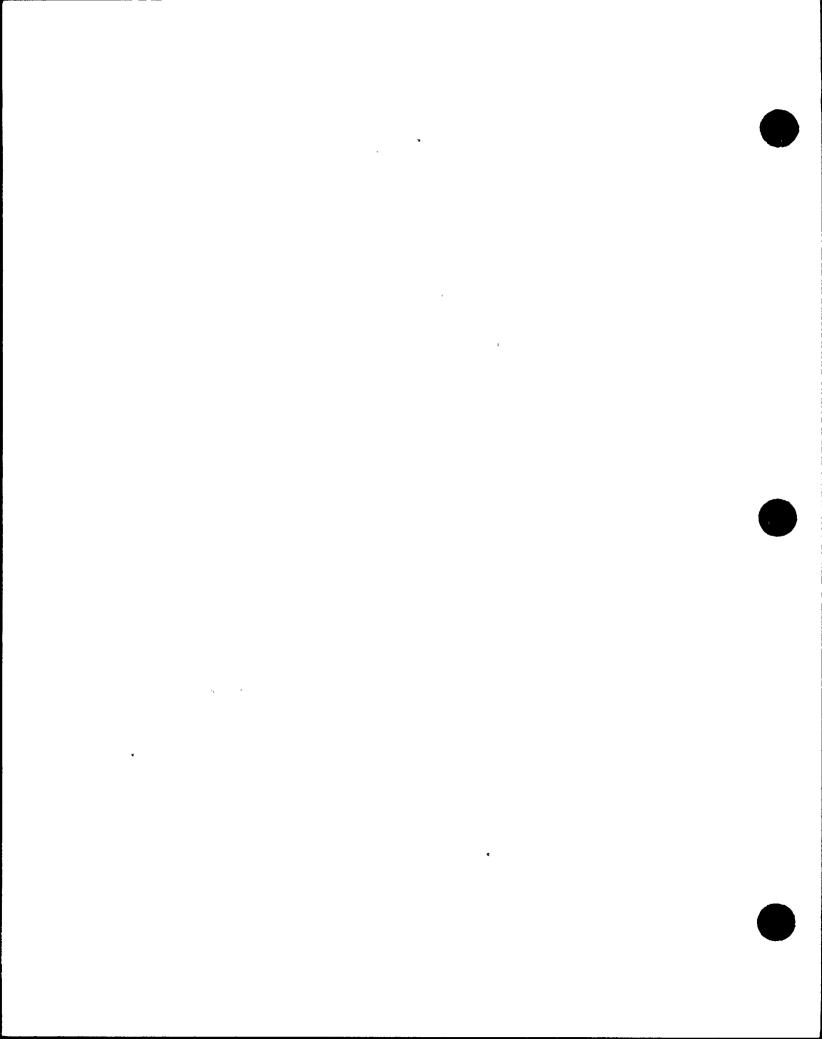
P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B06-02

System	Component Identification	ISI Drawing/Sht	Exam Category	item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results -	Comments
RPV	JPRBRCLP-3-5-6	IVVI EXAM	BFSE	711410	VT-3		19970314	R-268	P	BFSE 93-143
RPV	STMDRY-6-160	IVVI EXAM	GELTR	711414	VT-3		19970226	R-268	P	BFSE 94-002, BF3-1V97-01
RPV	CSTEEBX-3-120	IVVI EXAM	SIL289	71143	VT1M	=	19970314	R-268	P	WITH IEB 80-13
RPV	CSTEEBX-3-240	IVVI EXAM	SIL289	71143	VT1M		19970314	R-268	P	WITH IEB 80-13
RPV	JPSENLIN-3-ALL	IVVI EXAM	S1L420	71147	VT-3		19970314	R-268	P	
RPV	JPRISBR-3-1-2	IVVI EXAM	SIL551	71149	VT-3	ā	19970314	R-268	P	
RPV	JPRISBR-3-3-4	IVVI EXAM	SIL551	71149	VT-3		19970314	R-268	P	
RPV	JPRISBR-3-5-6	IVVI EXAM	SIL551	71149	VT-3		19970314	R-268	P	
RPV	JPRISBR-3-7-8	IVVI EXAM	SIL551	71149	VT-3		19970314	R-268	P	
RPV	JPRISBR-3-9-10	IVVI EXAM	SIL551	71149	VT-3		19970314	R-268	P	
IPV	N10-LPC NOZ	ISI-0445-C 01	SIL571	711415	VT-2		19970310	R-265	P	INST NOZ SE
RPV	N11A-INST,NOZ	ISI-0220-C 01	SIL571	711415	VT-2		19970310	R-265	Р	INST NOZ SE
RPV	N11B-INST.NOZ	ISI-0220-C 01	SIL571	711415	VT-2		19970310	R-265	Р	INST NOZ SE
lPV	N12A-INST.NOZ	ISI-0220-C 01	SIL571	711415	VT-2	-	19970310	R-265	P	INST NOZ SE
IPV	N12B-INST,NOZ	ISI-0220-C 01	SIL571	711415	VT-2		19970310	R-265	Р	INST NOZ SE
RPV	N16A-INST.NOZ	ISI-0220-C 01	SIL571	711415	VT-2		19970310	R-265	P	INST NOZ SE
lPV	N16B-INST,NOZ	ISI-0220-C 01	SIL571	711415	VT-2		19970310	R-265	р.	INST NOZ SE
RPV	CORESHR-3-H-1	IVVI EXAM	SIL572	71144	UT-45	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-01
RPV	CORESHR-3-H-1	IVVI EXAM	SIL572	71144	UT-60L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-01
RPV	CORESHR-3-H-1	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-01
PV.	CORESHR-3-H-4	IVVI EXAM	SIL572	71144	UT-45	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-03
.PV	CORESHR-3-H-4	IVVI EXAM	SIL572	71144	UT-60L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-03
PV	CORESHR-3-H-4	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-03
PV	CORESHR-3-H-5	IVVI EXAM	SIL572	71144°	UT-45	SHRD31	19970310	R-267	Р	GENE-523-113-0894, REF GE R-S97-02
RPV	CORESHR-3-H-5	IVVI EXAM	SIL572	71144	UT-60L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-02



NUCLEAR POWER GROUP 1101 MARKET STREET

CHATTANOOGA, TENNESSEE 37402

PLANT: BROWNS FERRY NUCLEAR PLANT

P.O. BOX 2000

DECATUR, ALABAMA 35602

CERTIFICATION OF AUTHORIZATION: NOT REQUIRED

EXAM REQUIREMENT B06-02

System	Component Identification	ISI Drawing/Sht	Exam Category	Item Number	Exam Schedule	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CORESHR-3-H-5	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-02
RPV	CORESHR-3-H-6	IVVI EXAM	SIL572	71144	UT-45	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-04
RPV	CORESHR-3-H-6	IVVI EXAM	SIL572	71144 =	UT-60L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-04
RPV	CORESHR-3-H-6	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-04
RPV	CORESHR-3-H-7	IVVI EXAM	SIL572	71144	UT-45	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-05
RPV	CORESHR-3-H-7	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-05
RPV	CORESHR-3-H-7	IVVI EXAM	SIL572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-05.
RPV	CORESHR-3-H-7	IVVI EXAM	S1L572	71144	UT-80L	SHRD31	19970310	R-267	P	GENE-523-113-0894, REF GE R-S97-05
RPV	JPADJSC-3-1-20	IVVI EXAM	SIL574	711411	VT-1		19970314	R-268	P	BFPER970522

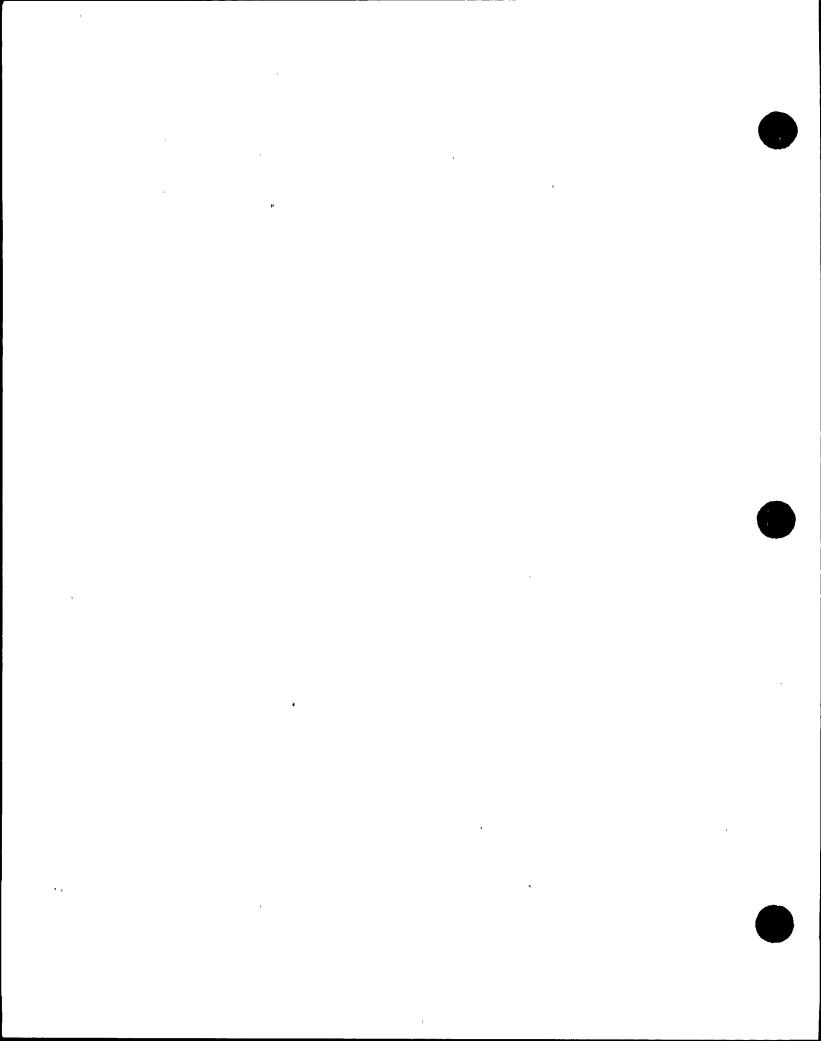
ENCLOSURE 2

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

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), SECTION XI REPAIR AND REPLACEMENTS PROGRAM

SUMMARY REPORT (NIS-2) FOR CYCLE 7 OPERATION

(SEE ATTACHED)

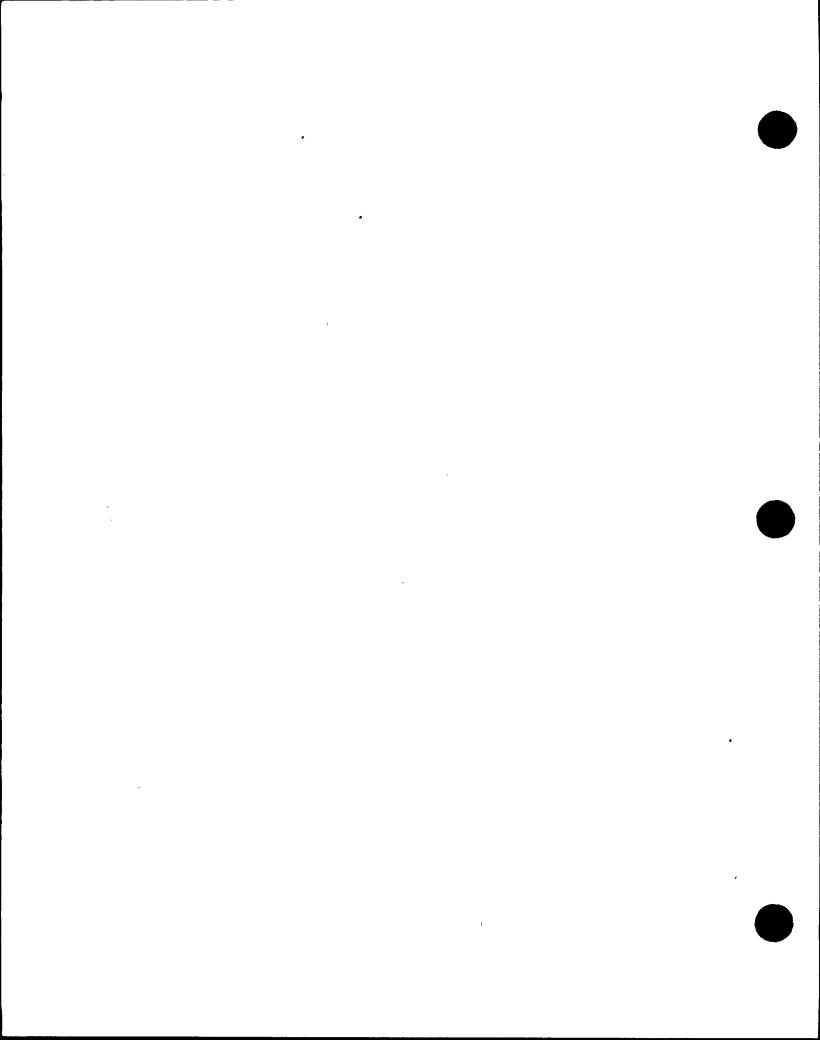


BROWNS FERRY NUCLEAR PLANT

UNIT 3 CYCLE 7

ASME SECTION XI

NIS-2 DATA 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 Repairs or Replacements

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

APPENDIX I

SUMMARY OF REPAIR AND REPLACEMENT ACTIVITIES

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

<u>WID</u>	SYS.	<u>ORG</u>	<u>CLASS</u>	<u>ACTIVITY</u>
T39062 96-013071-000	073	TVA	2	Repair and Replacement
T39724 96-012973-000 96-012973-001	069	TVA	. 1	Replacement
V39402 95-022282-001	008	TVA	2	Replacement
96-006022-000	071	MAINT	2	Replacement
96-007149-010	074	MAINT	1	Replacement
96-008218-000	068	MAINT	1	Replacement
96-008938-001	075	MAINT	1	Repair
T39906, Stages 6 & 8 96-009016-004 97-001758-000 96-009016-010	001	MAINT	1	Replacement
T38171, Stage 2 96-J12835-000	073	MAINT	2	Replacement
96-012928-000	001	MAINT	. 1	Replacement
96-012941-000	001	MAINT	1 *	Replacement
96-015423-000	073	MAINT	2	Replacement

TENNESSEE VALLEY AUTHORITY Owner:

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

LEGEND

WID - Work Implementing Document

Example:

A99999 refers to a Design Change Notice

99-99999-999 refers to a Work Order

SYS-System

1 - Main Steam

3 - Reactor Feedwater

8 - Turbine Drains

10 - Reactor Drains, Vents

and Blowdown

12 - Auxiliary Boiler

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

ORG - Organization which performed the WID

MAINT - TVA's Maintenance Organization

GE

- General Electric Company

TVA

- Work performed by Stone and Webster Engineering Corporation

utilizing TVA's Quality Assurance Program and procedures

CLASS - Refers to ASME Code Class 1 or 2

ACTIVITY - Classifies work activity as being repair or replacement as denoted on NIS-2 Form

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

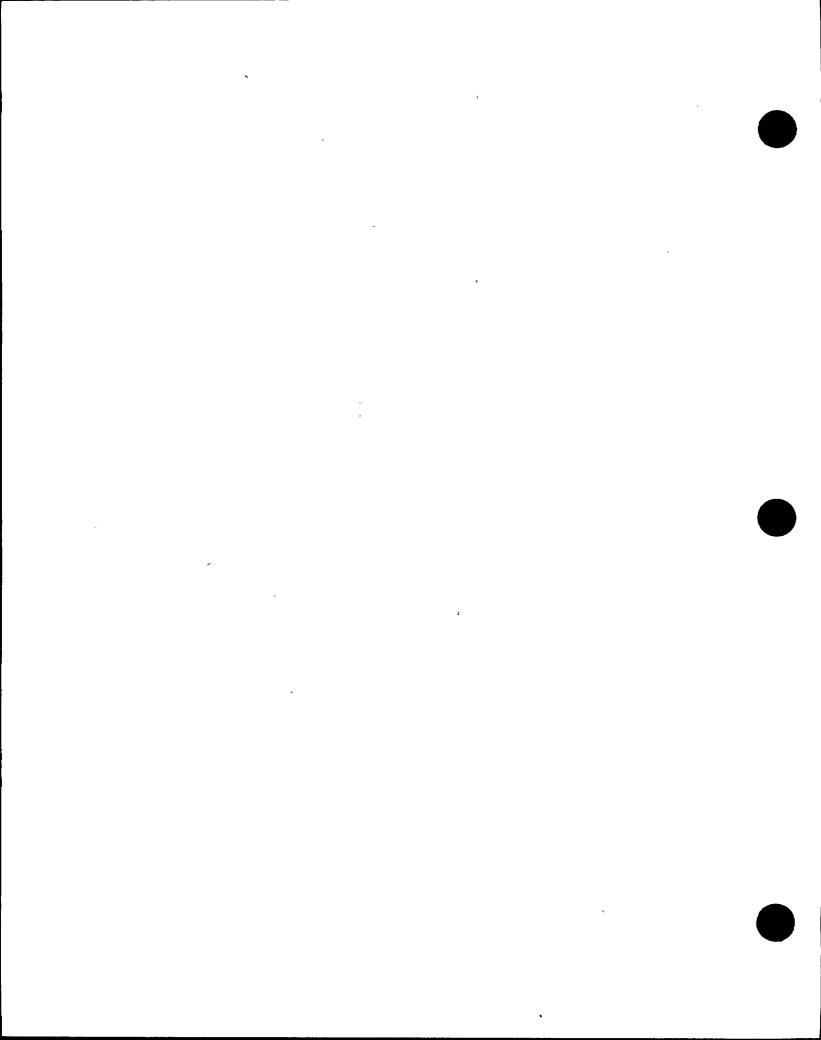
APPENDIX II

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

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

												
1.	Owner	Tennessee	Valley Authority (TVA))		Date	May 1, 19	997				
		1101 Mark	et Street Name									
		Chattanoo	ga, TN 37402-2801		_	Sheet	1	of	1			
			Address		_			_				
2.	Plant	Browns Fe	rry Nuclear Plant (BFN	1)		Unit	3					
	P. O. Box 2000, Decatur, AL 35609-2000					Design Change Notice T39062, Work Plan T39062-001 &						
			Address	_Work (Order 96-01: Repair	Organiza	ton P.O.	No., Job No., etc.				
3. Work Performed by TVA-BFN						Type Code Symbol Stamp N/A						
	P. O. Box 2000, Decatur, AL 35609-2000					Authorization No. N/A						
		1,0.00	Address		_							
				•		Expirat	ion Date	N/A				
4.	Identifica	lion of Syster	n System 073, High	n Pressure Coolant I	njection Syst	em	ı					
5. (a	b) Applid		•		67 • ements 19	Edition,	N/A	A	ddenda	, <u>N-416-1</u> (Code Case	
N	lame of Co	mponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other	Identification	n	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
	CI Turbine	Exhaust	Anchor/Darling-	EZ821-2-1	N/A	3-СК	V-073-0 0 03	_	1996	Replacement	No	
Che	ck Valve		20"x16"x16"-150# Globe Lift Check					ı			İ	
Leal	kage Test '	Valve	Hancock 3/4" Globe	N/A	N/A	3-T\	/-073-0637		N/A	Repair	No	
Pipe	Support	,	TVA	N/A	N/A		R-52		1997	Replacement	No	
						•						
		· · · · · · · · · · · · · · · · · · ·						\dashv				
7. 8.	Desc.iptii Tests Co	nducted; F	Replaced check valve	Pneumatic	Nominal C		ressure 🛭		aced pa	art of pipe suppor	t R-52.	

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91750 and Design Criteria BFN-50-7073.



Applicable Manufacturer's Data Program. Removed arc strike and performed weld repair on 3-TV-73-637. R	Reports to be attached econfigured parts of support R-52 as necessary for the new ch
valve.	
	
CERTIFICATE OF CO	MPLIANCE
We certify that the statements made in the report are correct and this	
ASME Code Section XI.	repair or replacement
	ø
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration Date N/A
and Start (1) is the same	DI [12]
Signed State (Nilland), Systems Engineer	Date
CERTIFICATE OF INSERVICE	CE INSPECTION
I, the undersigned, holding a valid commission issued by the National B	oard of Boiler and Pressure Vessel Inspectors and the State
or Province of TENNESSEE and employed by	
HARTFORD CT in this Owner's Report during the period /0/3/96	have inspected the components described to 3/2/97 and state that
in this Owner's Report during the period	
Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes	
examinations and corrective measures described in this Owner's Report. Furt any manner for any personal injury or property damage or a loss of any kind ar	thermore, neither the inspector nor his employer shall be liable
any maimer for any personal injury or property damage or a loss of any who ar	ising from or connected with this hispection.
	••
Mart Tall Commissions	TN 3135 "N" "I"
	170 3102
hapector's Signature	National Board, State, Province, and Endorsements
hapactor's Signature The sector's Signature	National Board, State, Province, and Endorsements

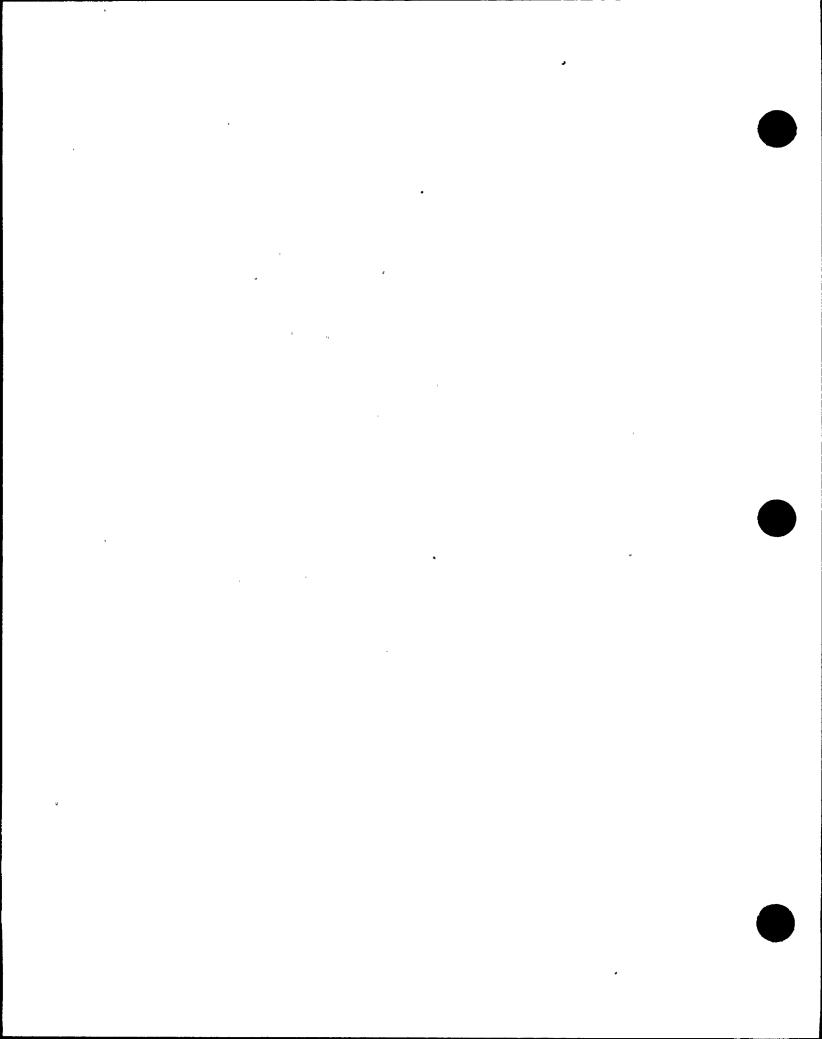
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

-2--

As Required by the Provisions of the ASME Code Section XI

\									·	
1.	Owner	Tennessee	Valley Authority (TVA)			Date	May 1, 1997			,
		1101 Mark	et Street		_					
		Chattanoo	ga, TN 37402-2801		_, _	Sheet	of	1		
2	Plant	Graupe Fo	Address my Nuclear Plant (BFN	n '		Unit	3			
4	Plain									
		P. O. Box	2000, Decatur, AL 35	609-2000	١	Work	n Change Notice 1 Plans T39724-001 Orders .96-01 <i>2</i> 97	I & T3972	24-002	
			Address				Repair Organ	zation P.O.	No., Job No., etc.	
3.	Work Pe	rformed by			_	Туре С	Code Symbol Stan	np N	Ά	
		P. O. Box 2	2000, Decatur, AL 35	809-2000	_	Author	ization No. N/	١	····	
			Address			Expirat	tion Date N/A		·	
4.	Identificat	tion of Syster	m System 069, Rea	ctor Water Cleanup	System					
			(10,00)	ASME Section III, 1	DRR Edition					
5. (a	a) Applie	cable Constr	, ,	USAS B31.1.0 19		Edition,	N/A	Addenda	, N-416-1 C	Code Case
				- Danaira na Bantan		~				
(I	b) Appli	cable Edition	of Section XI Utilized for	r Repairs or Replace	ements 19	89				
6.	Identifica	tion of Comp	onents Repaired or Rep	laced and Replacem	ent Compon	ents				
/ -	<u>-</u>	- West		l i		•				40115
•										ASME Code
	lame of Co	moonent	Name of	Manufacturer	National Board	Other	Identification	Year	Repaired, Replaced, or	Stamped (Yes or
•	141110 01 00	mponer	Manufacturer	Serial No.	No.			Built	Replacement	No)
<u> </u>	(0) 6 1	- Debus	AnchesCoding	EZ862-1-1	N/A	3 CV	(V-069-0628	1997	Replacement	No
	/CU Syster ck Valve	n Ketuin	Anchor/Darling 4"-900#	22502-1-1	IVA	3-0 F	· • • • • • • • • • • • • • • • • • • •	1337	replacement	'**
RW	/CU Syster	n Return	Globe Lift Check Anchor/Darling	EZ862-1-2	N/A	3-CK	(V-069-0629	1997	Replacement	No
	ck Valve	,, , , , , , , , , , , , , , , , , , , ,	4"-900#						, .	
			Globe Lift Check					 -		
			İ							
			-					L		
		عنم		_						
7.	Descripti	on of Work	Installed new check va	alves.			_			
					<u> </u>				······································	
8.	Tests Co	nducted: i	Hydrostatic	Pneumatic	Nominal (Operating F	Pressure 🛚			
		(Other Pres	sure <u>N/A</u> ps	i Te	st Temp.	N/A °F			

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91750 and Design Criteria BFN-50-7089.



		 	
		· · · · · · · · · · · · · · · · · · ·	<u> </u>
		•	
4			
Mo earlify that the	CERTIFICATE OF CO statements made in the report are correct and this		conforms to the rules of the
-	satements made in the report are contex and this	repair or replacement	end to cold to de attorito.
ASME Code Section XI.			
Type Code Symbol Stam	p N/A		
Certificate of Authorization	n No. N/A	Expiration Date N/A	
	144 (1)		
Signed Statut	Challe VI Culous For home	Date 5/1	,19
Olginou Janasa	LA MALACA LI ZYSTOMS CENGINGEY	Date	7
Cignod Sergins	Owner or Owner's Designee, Title	Date	, 19 <u>-</u>
Signed Sergins	Owner or Owner's Designee, Title	Date	7, 19 _
Olymon X Pagement	Owner or Owner's Designee, Title	Uaxe	, 19
oignos XIII	Owner of Owner's Designer, Title		.19
	CERTIFICATE OF INSERVI	CE INSPECTION	
I, the undersigned.	CERTIFICATE OF INSERVI	CE INSPECTION Board of Boiler and Pressure Ve 456747	essel Inspectors and the State of
I, the undersigned, or Province of TEN HART FORD C	CERTIFICATE OF INSERVI holding a valid commission issued by the National E	CE INSPECTION Board of Boiler and Pressure Ve グラのエミア have inspec	essel Inspectors and the State of ted the components described
I, the undersigned, or Province of TEN HART FORD C/ in this Owner's Report du	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period 9/34/94	CE INSPECTION Board of Boiler and Pressure Very Sale of Sale	essel Inspectors and the State of ted the components described , and state that
I, the undersigned, or Province of TEN HART FORD C/ in this Owner's Report du to the best of my knowled	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period 9/34/94 ge and belief, the Owner has performed examination	CE INSPECTION Board of Boiler and Pressure Very Sale of Sale	essel Inspectors and the State of ted the components described , and state that
I, the undersigned, or Province of TEN HART FORD C/ in this Owner's Report du to the best of my knowled Report in accordance with	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period ge and belief, the Owner has performed examination the requirements of the ASME Code, Section XI.	CE INSPECTION Board of Boiler and Pressure Very Sale of Sale	essel Inspectors and the State of sted the components described , and state that es described in this Owner's
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period ge and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ifficate neither the Inspector nor his employer makes we measures described in this Owner's Report. Fur	CE INSPECTION Board of Boiler and Pressure Very SBISI to 3/15/97 Ito 3/15/97 Ito and taken corrective measure any warranty, expressed or important the inspector	essel Inspectors and the State of sted the components described , and state that es described in this Owner's olied, concerning the nor his employer shall be liable
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period ge and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ifficate neither the Inspector nor his employer makes	CE INSPECTION Board of Boiler and Pressure Very SBISI to 3/15/97 Ito 3/15/97 Ito and taken corrective measure any warranty, expressed or important the inspector	essel Inspectors and the State of sted the components described , and state that es described in this Owner's olied, concerning the nor his employer shall be liable
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI holding a valid commission issued by the National E wesset and employed by ring the period ge and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ifficate neither the Inspector nor his employer makes we measures described in this Owner's Report. Fur	CE INSPECTION Board of Boiler and Pressure Very SBISI to 3/15/97 Ito 3/15/97 Ito and taken corrective measure any warranty, expressed or important the inspector	essel Inspectors and the State of sted the components described , and state that es described in this Owner's olied, concerning the nor his employer shall be liable
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI tholding a valid commission issued by the National Experience and employed by and employed by and employed by and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ificate neither the Inspector nor his employer makes we measures described in this Owner's Report. Furnal injury or property damage or a loss of any kind a	CE INSPECTION Board of Boiler and Pressure Very SBISI to	essel Inspectors and the State of sted the components described , and state that es described in this Owner's blied, concerning the nor his employer shall be liable its inspection.
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI tholding a valid commission issued by the National Experience and employed by and employed by and employed by and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ificate neither the Inspector nor his employer makes we measures described in this Owner's Report. Furnal injury or property damage or a loss of any kind a	CE INSPECTION Board of Boiler and Pressure Very SBISI to	essel Inspectors and the State of sted the components described , and state that es described in this Owner's blied, concerning the nor his employer shall be liable its inspection.
I, the undersigned, or Province of TEN HART FORD CI in this Owner's Report du to the best of my knowled Report in accordance with By signing this cert examinations and correcti	CERTIFICATE OF INSERVI tholding a valid commission issued by the National Experience and employed by and employed by and employed by and belief, the Owner has performed examination the requirements of the ASME Code, Section XI. ificate neither the Inspector nor his employer makes we measures described in this Owner's Report. Furnal injury or property damage or a loss of any kind a	CE INSPECTION Board of Boiler and Pressure Very SBISI to 3/15/97 Ito 3/15/97 Ito and taken corrective measure any warranty, expressed or important the inspector	essel Inspectors and the State of sted the components described , and state that es described in this Owner's blied, concerning the nor his employer shall be liable its inspection.

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

							
	e Valley Authority (TVA) Rame)		Date May 1, 1997			
		. 		Ohan da ad	,		
Chattano	oga, TN 37402-2801 Address			Sheet 1 of			
2. Plant Browns F	erry Nuclear Plant (BFN	1)	_	Unit 3			
P. O. Box	2000, Decatur, AL 35	609-2000		Design Change Notice			
	Address		_	Work Order 95-022282 Repair Organ		No., Job No., etc.	
3. Work Performed by	TVA-BFN		_	Type Code Symbol Star	np N	/A	
P. O. Box	2000, Decatur, AL 35	609-2000	_	Authorization No. N/	A		
	Address		_ _	Expiration Date N/A			
4. Identification of System	om Sistem MR Turk	oine Drains & Misc I	Dining				
·	(valve) A	SME Sec III, 1974 I	Edition, Winte			N 404	
5. (a) Applicable Const	ruction Code (pipe) US	SAS B31.1.0 19	- 67° Ed	ition, N/A	Addenda,	N-416-1 C	ode Case
(b) Applicable Edition	n of Section XI Utilized fo	r Repairs or Replac	ements 19	89			
							k
6, Identification of Com	ponents Repaired or Rep	laced and Replacen	nent Compon	ents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes of No)
Seal Steam Hdr Main Steam Shutoff Valve	Borg Warner Model 81010	49487	N/A	3-SHV-8-575	1979	Replacement	Yes
•							
	 				 		
			<u> </u>				
		<u> </u>			L		
7. Description of Work	Removed existing man	nual gate valve. Ins	talled new Bo	rg Warner manual gate valv	e and add	itional hanger.	
8. Tests Conducted:	Hydrostatic F	Pneumatic	Nominal C	perating Pressure 🛛			
o, reas conduced.	•			, , ,			
	Other Pres	sure <u>N/A</u> ps	si Tes	t Temp. N/A *F	•		

^{*}as amended by additional quality assurance requirements found in Contracts 68C37-91602 and P97N2R-205053.

CERTIFICATE OF	COMBINANCE
We certify that the statements made in the report are correct and thi	
•	repair or replacement
ASME Code Section XI.	
Type Code Symbol Stamp N/A	
	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Certificate of Authorization No. N/A	Expiration Date N/A
stoned be halm Sistem Engineer	Date May 8 19 C
Signed 10C10, out of Country Signed	
CERTIFICATE OF INSER	
I, the undersigned, holding a valid commission issued by the Nation	al Board of Boiler and Pressure Vessel Inspectors and the State
I, the undersigned, holding a valid commission issued by the Nation or Province of <u>TENNESSEE</u> and employed by	al Board of Boiler and Pressure Vessel Inspectors and the State #58.7.67 of
I, the undersigned, holding a valid commission issued by the Nation or Province of <u>TENNESSEE</u> and employed by ARTERRO CT in this Owner's Record during the period 10/28/96	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3//3/97, and state that
I, the undersigned, holding a valid commission issued by the Nation or Province of TENNESSEE and employed by ARTERD CT in this Owner's Report during the period /0/38/96 to the best of my knowledge and belief, the Owner has performed examina	al Board of Boiler and Pressure Vessel Inspectors and the State #58 I & I have inspected the components described to 3/3/97 , and state that ations and taken corrective measures described in this Owner's
I, the undersigned, holding a valid commission issued by the Nation or Province of <u>TENNESSEE</u> and employed by ARTFORD CT in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed examinated in accordance with the requirements of the ASME Code, Section X	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3//3/9/7, and state that ations and taken corrective measures described in this Owner's U.
I, the undersigned, holding a valid commission issued by the Nation or Province of	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3//3/97, and state that ations and taken corrective measures described in this Owner's U. kes any warranty, expressed or implied, concerning the
I, the undersigned, holding a valid commission issued by the Nation or Province of	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3//3/97, and state that ations and taken corrective measures described in this Owner's U. kes any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer shall be liable
I, the undersigned, holding a valid commission issued by the Nation or Province of	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3/3/97, and state that ations and taken corrective measures described in this Owner's U. kes any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer shall be liable and arising from or connected with this inspection.
I, the undersigned, holding a valid commission issued by the Nation or Province of	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3//3/97, and state that ations and taken corrective measures described in this Owner's U. kes any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer shall be liable
I, the undersigned, holding a valid commission issued by the Nation or Province of	al Board of Boiler and Pressure Vessel Inspectors and the State of have inspected the components described to 3/13/97, and state that ations and taken corrective measures described in this Owner's U. kes any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer shall be liable at arising from or connected with this inspection. TN 3/35 "N" "T] All 17/4 and 17/4 an

CLEVELAND ELECTRIC ILLIDHINATON

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OF CHANGE IN UNITS 1 & 2 As Required by the Provisions of the ASME Code, Section III, Dly. 1

	NATUR SUE ADDITION	org Varner N Conincate m	oider)			
. Menutectured for GICYC	land Electric I	lliminaria	& Con P.O.	3cx 5000.	Gleveland	L. Ohio
Location of Installation	Hame and Address of Pur BITY NUCLEAR PO	wer Plane,	Morth Pera	, Ohio		
	Name and Address				t	<u> </u>
Pump or Valve	7410 TELVO	Nominai i	inlet Size4	noni	llet Size	linery
(a) Madel No. (b) N	Cartificate Holder's					
Sanes No.	Serial	Registration	(d) Drawing		In Nett.	(g) Year
or Type	No.	No.	No.	(a) Class	Ba. Na.	Suik
(1) 1500# 41	9482 thru 49497	N/A	81010	2	X/A	1979
(2) Menual Op.	(16 Valvos)			•		
(3)						
(4)				***************************************		
(5)		 				
(6)						
m						
(8)						
(8),						
(10)	designed to he					
andersen la		r seennis	erad with a '	POP and W/	R. The	
Permanature DE	SERVICE TARIAN	of service for the	OT POLICETER WORLD			
. Cold Working Pressure						
Pressure Retening Pleas	1		T			
	Macernal So		Manutac	burer	Remerk	
Pressure Retening Pleas	1		Manutac	Durer	Rémert	ENT REVIE
Pressure Retaining Places Mark No.	1		Manutac	nuer	Rémert	ENT REVIEW
Mark No. (a) Cautings	Macenal Sp			Durer	Remerk	ENT REVIEW
Mark No. (a) Cautings Gate—Code 1780	Macenal Sp		Yulcan	nurer	Rémert	ENT REVIEW
Mark No. (a) Cautings Gate—Code 1780	Macenal Sp			Durer	10	9249
Mark No. (a) Casongs Gate—Code 1780	Macenal Sp		Yulcan	Durer	10	9249
Mark No. (a) Cautings Gate—Code 1780	Macenal Sp		Yulcan	Durer	10	9249
Mark No. (a) Cautings Gate—Code 1780	Macenal Sp		Yulcan		10	9249
Mark No. (a) Casongs Gate—Code 1780	Macenal Sp		Yulcan		10	9249
Mark No. (a) Cautings Gate—Code 1780	Macenal Sp		Yulcan		10	TUTY ASSUR
Mark No. (a) Casongs Gate—Code_1780 3A78	Macenal Sp		Yulcan		10	9249
Maris No. (a) Castings Gate—Code_1750 3A78	Macenal Sp		Yulcan		(S)	9249
Mark No. (a) Castings Gate—Code_1760 3A78 (b) Forgings	Mecental So		Yulcan		(S)	9249
Mark No. (a) Casongs Gaig-Code 1780 3A78	Macenal Sp		Yulcan		(S)	9249
Mark No. (a) Casongs Gate—Code 1760 3A78 (b) Forgings Body—Code 2739	Macemal So		Jorgensen		(S)	9249
Maris No. (a) Castings Gate—Code_1760 3A78 (b) Forgings	Macemal So		Yulcan		(S)	9249
Mark No. (a) Camongs Gate—Code 1760 3A78 (b) Forgings Body—Code 2739	SA105 SA105		Jorgensen Compton F	O I KU	(S)	9249
Mark No. (a) Castings Gate—Code_1760 3A78 (b) Forgings Body—Code_2739 Bonnes—Code_1825	Macemal So		Jorgensen	O I KU	(S)	9249
Mark No. (a) Casongs Gate—Code 1760 3A78 (b) Forgings Body—Code 2739	SA105 SA105		Jorgensen Compton F	O I KU	(S)	9249

⁽¹⁾ For manually operated valves only.

^{*} Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is \$-1/2" x 11", (2) Information in Name 1, 2 and 5 on trie Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is reserved at top of this form.

FORM NPV-1 (Back)

(c) Boiling N/A		Remarka
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T Recover forts N/A		
5/4		
C''		
9249 •		
		
3		
TY ASS 5400 mg Day Officerated and		
Y SEA YTI		
Design information on file at AVD of Borg Warms Dress analysis report (Class 1 only) on file at	CATION OF DESIGN	micol expires 10/27/
25626		
PE State PA Reg. No. 25626 Breas analysis cardified by (1) R/A R/A		
PE State PA Reg. No. 25626 Stress enstyle certified by (1) Reg. No. H/A PE State N/A Reg. No. H/A	•	•
PE State PA Reg. No. 25626 Stress enshrip certified by (1) Reg. No. H/A PE State N/A Reg. No. H/A	•	
PE State - PA Reg. No. 25626 Stress analysis certified by (1) PE State - N/A Reg. No N/A (1) Signature not required. List name only.	F DE SHOP IMPECTOR	
PE State RA Reg. No. 25626 Stress analysis certified by (1) PE State R/A Reg. No. R/A (1) Signature not required. List name only. CERTIFICATI the undersigned, holding a valid committee season for the state of Province of California of Long Grove, Illinois have in	and employed by Imaba: repected the pump, or velve, descri- to the best of my knowledge and best st. st.	rnext's Matriel Cast bed in this Data Report
PE State PA Reg. No. 25626 Breas enarytic certified by (1) Reg. No. B/A PE State N/A Reg. No. B/A (1) Signature not required. List name only. CERTIFICATI the undersigned, holding a valid committation leads and the State or Province of California of Long Grove. Illinois have in	and by the National Board of Boiler an and employed by Littable! Inspected the pump, or valve, describe to the best of my knowledge and bedief, the control of the best of my knowledge and bedief, the control of the best of my knowledge and bedief, the control of the best of my knowledge and bedief, the control of the best of my knowledge and bedief, the control of the best of my knowledge and bedief, the control of the best of the be	rment s Matmal Cass bed in this Data Report
Reg. No. 25626 Rese enstyring certified by (1) Reg. No. H/A Reg. No.	and by the National Board of Boiler an And employed by Little Barrier inspected the pump, or valve, descritoring best of my knowledge and best of the SME Code, Section III.	tracts a Hattur L Cape bed in this Data Report he N Certificate Holder has
Reg. No. 25626 Rese enabytic certified by (1) Reg. No. H/A Reg. No. H/A Reg. No. H/A 11 Signature not required. List name only. CENTERCATI the undersigned, holding a valid committel on lease and the State or Province of California Lamar Grove. YIIInnia	and by the National Soard of Soiler an And employed by Littlebal inspected the pump, or valve, describe to the best of my knowledge and belief, the SME Code, Section III. Its employer makes any warranty, experimens, neither the inspector nor Me en	them? Matter Cape bed in this Data Report to N Cartificate Holder has """ """""""""""""""""""""""""""""""""

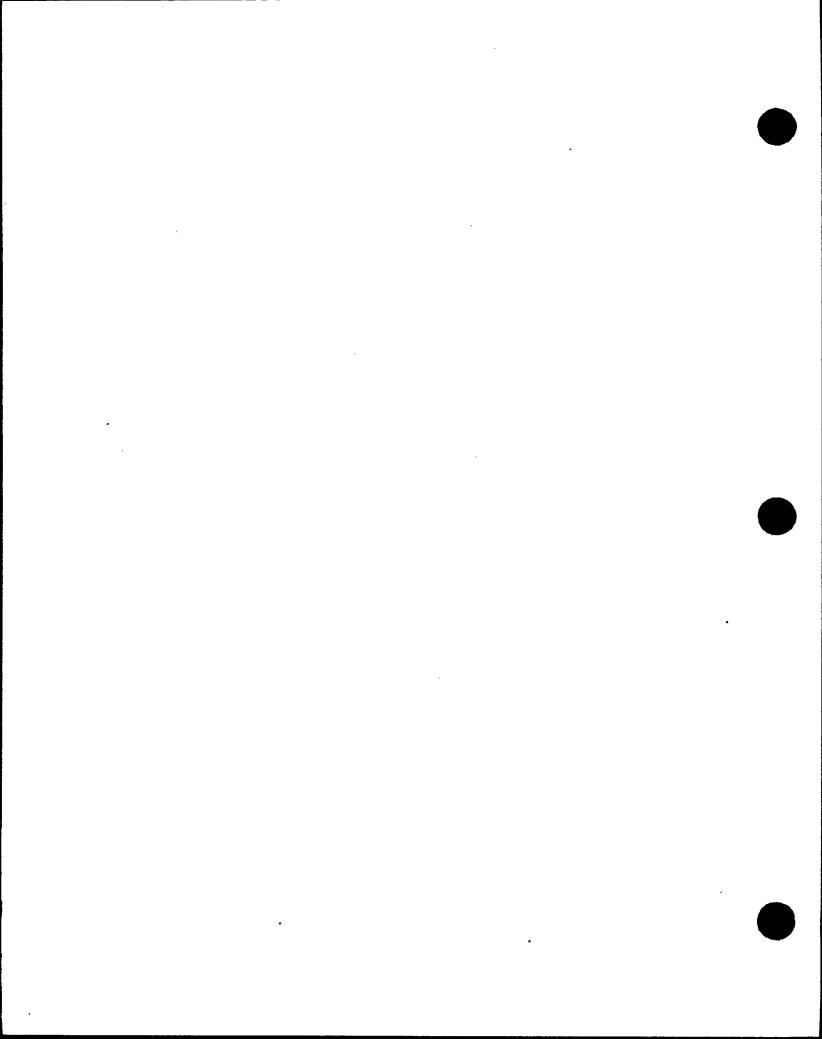
Dieri Ba, State, From and Hall

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

	Valley Authority (TVA) t		Date <u>May 1, 1997</u>	=		
1101 Mark			_				
Chattanoog	ga, TN 37402-2801 Address			Sheet 1 of	1		
2. Plant Browns Fe	rry Nuclear Plant (BFI	١)	_	Unit 3			
P. O. Box 2	2000, Decatur, AL 35	609-2000		Work Order 96-006022	.000		
	Address			Repair Organ	ezation P.O.	No., Job No., etc.	
Work Performed by _	TVA-BFN			Type Code Symbol Star	np N	<u>'A</u>	
P. O. Box 2	2000, Decatur, AL 35	609-2000		Authorization No. N/	4		
•	Address			Expiration Date N/A		···	
4. Identification of System	n System 071. Rea	ctor Core Isolation (Cooling Syster	n	•	,	
•					···		
5. (a) Applicable Constru	uction Code USAS E	33110 19	67 * Edit	ion. N/A A	ddenda,	N/A C	ode Case
s. (a) Applicable Constit	Idioi Code	19		1011, 117/2	luuenua,	11/1/2	Coo Case
(b) Applicable Edition	of Section XI Utilized fo	or Repairs or Replac	ements 19	86			
6. Identification of Compo	onents Repaired or Rep	laced and Replacen	nent Compone	ents			
	 	<u></u>			Τ	<u></u>	
	}		1.		}		ASME
		ļ	National	•]	Repaired,	Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	manuracurer	Selial No.	140.		Duix	Керівсепівік	140)
Auxiliary Steam Supply	Powell,	N/A	N/A	3-CKV-071-0564	· N/A	Replaced	No
Check Valve	9061WE				 		-
			1				
		1			}		
	· · · · · · · · · · · · · · · · · · ·	<u> </u>	·	····		<u> </u>	
, Description of Work	Replaced check valve	bonnet with bonnet	from corresp	onding Unit 1 valve.			
						······	
3. Tests Conducted: F	lydrostatic	Pneumatic	Nominal C	perating Pressure	Applicable	Edition of Section	n XI for
	_				pressure	testing was 1974, enda which did n	Summer
C	Other Pres	sure <u>N/A</u> ps	51 les			enda which did hi test for this bolted	

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

CERTIFICATE OF COI	MPLIANCE
We certify that the statements made in the report are correct and this ISME Code Section XI.	replacement conforms to the rules of the
ype Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration Date N/A
12 Irolan Sustan Evil	Ma I S
signed 12.18000 Stephens Fig.	Date
	-
CERTIFICATE OF INSERVIO	
r Province of TENNESSEE and employed by	<i>が3<u>87年</u>工</i> of
HARTFORD, GT	have inspected the components describe
n this Owner's Report during the period 6/19/94 to the best of my knowledge and belief, the Owner has performed examination	to 3/3/94, and state that
Senort in accordance with the requirements of the ASME Code. Section XI.	•
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur	any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. The	rising from or connected with this inspection.
iny manner for any personal injury or property damage or a loss of any kind a	
any manner for any personal injury or property damage or a loss of any kind a	
iny manner for any personal injury or property damage or a loss of any kind a	TN 3135 "N" (I"

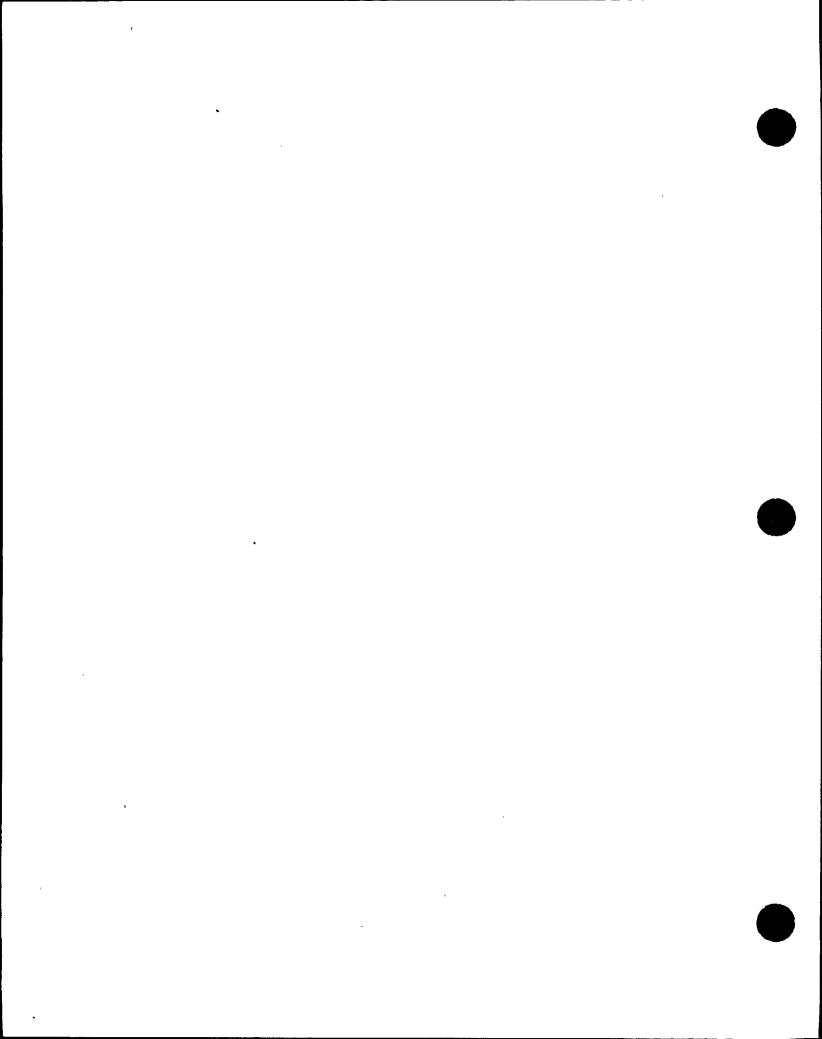


FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

										
	ssee Valley Authority (TVA Name Market Street)		DateMay 1, 1997						
Chatt	anooga, TN 37402-2801		-	Sheet 1 of	1	-	•			
	Address									
2. Plant Brow	s Ferry Nuclear Plant (BF	N)		Unit 3						
P. O. Box 2000, Decatur, AL 35609-2000 Work Order 96-007149-010 Address Repair Organization P.O. No., Job No., etc.										
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A										
P. O. Box 2000, Decatur, AL 36609-2000 Authorization No. N/A										
Address										
	Expiration Date N/A									
4. Identification of S	System System 074, Res	sidual Heat Removal	System		·					
	•									
5. (a) Applicable C	onstruction Code USAS I	331.1.0 19	.67 * Edit	tion, <u>N/A</u> A	ddenda,	N/A C	ode Case			
(b) Applicable E	lition of Section XI Utilized f	or Repairs or Replace	ements 19	89						
6. Identification of 0	components Repaired or Re	placed and Replacen	rent Compon	ents						
		1	Ţ ,				T			
Name of Compone	nt Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)			
RHR System II Testa		N/A	N/A	3-FCV-074-0068	N/A	Replaced	No			
Check Valve	11047	 					 			
										
		 								
		<u> </u>	<u></u>				<u></u> i			
7. Description of W	ork Replaced one stud a	nd two nuts lost durir	ng maintenan	ce.						
8. Tests Conducted	l: Hydrostatic	Pneumatic	Nominal C	Operating Pressure 🛛		ik				
		_		st Temp. N/A *F						
	Other Pre	ssure <u>N/A</u> ps	и I (C	A rempP						

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



		Applicable Manufacturer's Data F	leports to be attached		
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_					
					
	•				
_		CERTIFICATE OF CO	MPLIANCE		·
	We certify that the statem	nents made in the report are correct and this	replacemen		ules of the
1	ASME Code Section XI.		repair or replacen	nent	
	•				
7	Type Code Symbol Stamp N	I/A			
(Certificate of Authorization No.	N/A	Expiration Date	N/A	
•	14146		-	1000	r
\$	Signed JOLIAN	System Engineer	Date	17149 8	,19 <u>Ч</u>
	OW	ner or Owner's Designee, Title			
					
•					
			DE INCRECTION		
	I the undersigned holdin	CERTIFICATE OF INSERVIO		Pressure Vessel Inspectors	and the State
	I, the undersigned, holding or Province of	CERTIFICATE OF INSERVIO	oard of Boiler and F <u>ハチタのア</u> をご	<i>T</i>	of
	or Province of <u>TENNE</u> HART FORD, C	CERTIFICATE OF INSERVIO g a valid commission issued by the National B 55 EE and employed by	oard of Boiler and F <u>イナ S B ブ ま</u> 〕	T have inspected the compone	of ents described
	or Province of <u>TENNE</u> HARTFORD, C	CERTIFICATE OF INSERVIOR g a valid commission issued by the National B 35EE and employed by CT e period 2/24/97	oard of Boiler and F / + 5 B J E 2 to 3 //3/9	Thave inspected the component	of ents described and state that
i.	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and	CERTIFICATE OF INSERVIO	oard of Boiler and F / + 5 B J E 2 to 3 //3/9	Thave inspected the component	of ents described and state that
i. t	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the results of the sectificate.	CERTIFICATE OF INSERVIO	oard of Boiler and F H 5 B J E to 3/3/9 s and taken correct any warranty, expre	have inspected the component of the comp	of ents described and state that his Owner's
i.	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the responsibilities and corrective meaningtions and corrective meaningtions and corrective meaningtions.	GERTIFICATE OF INSERVIOR g a valid commission issued by the National B SSEE and employed by be period SSEE April April	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's
i t	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the responsibilities and corrective meaningtions and corrective meaningtions and corrective meaningtions.	CERTIFICATE OF INSERVIO	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's
i t	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the responsibilities and corrective meaningtions and corrective meaningtions and corrective meaningtions.	GERTIFICATE OF INSERVIOR g a valid commission issued by the National B SSEE and employed by be period SSEE April April	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's
i t	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the responsibilities and corrective meaningtions and corrective meaningtions and corrective meaningtions.	CERTIFICATE OF INSERVICE g a valid commission issued by the National B SSEF and employed by The period and employed by STEP S	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th ising from or conne	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's
i.	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the re By signing this certificate examinations and corrective meany manner for any personal injunctions.	CERTIFICATE OF INSERVIO	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's
i.	or Province of TENNE HARTFORD, Coin this Owner's Report during the to the best of my knowledge and Report in accordance with the responsibilities and corrective meaningtions and corrective meaningtions and corrective meaningtions.	CERTIFICATE OF INSERVIO	oard of Boiler and F H S B T E to 3/3/9 s and taken correct any warranty, expre hermore, neither th ising from or conne	have inspected the component in the measures described in the concerning to the inspector nor his employed.	of ents described and state that his Owner's

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

	ec Valley Athor	neitu		Date 3-20	-97		
i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	1481114						
	Street Chatt			Sheet			
2. Plant BROWNS F	erry Nuclear	Plant		Unit_3			
	o Decah			96-0	15800	8-000	
	7						etc.
3. Work Performed by		Name		Type Code Symbol Authorization No. Expiration Date	Stamp	N A	
टि. उठ्य xoa	. Doratur A	1A 35609		Expiration Date		VA	
4. Identification of Sy	stem_RWR	068					
5. (a) Applicable Con (b) Applicable Edit 6. Identification of Co	tion of Section XI Ut	ilized for Repairs o	or Replacement	: 19 <u>84</u>	Addenda,_		Code Ca
i	Name of	Manufacturer	National Board	` Other	Year	Repaired, Replaced,	ASME Code Stamped (Yes or No)
Name of Component	Manufacturer	Serial No.	No.	Identification .	Built	or Replacement	0, 110,
	Manufacturer	Serial No.		Identification			
Component Support	Manufacturer		NA.	Identification	1992	Replaced	NO
Component Support		3-47B4 <i>5</i> 6-		Identification			
Component Support		3-47B4 <i>5</i> 6-		Identification			
Component Support		3-47B4 <i>5</i> 6-		Identification			
Component		3-47B4 <i>5</i> 6-		Identification			
Component		3-47B4 <i>5</i> 6-	NA	Identification			

This form (E00030) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300. REPRINT 4/93

recorded at the top of this form.

(12/82)

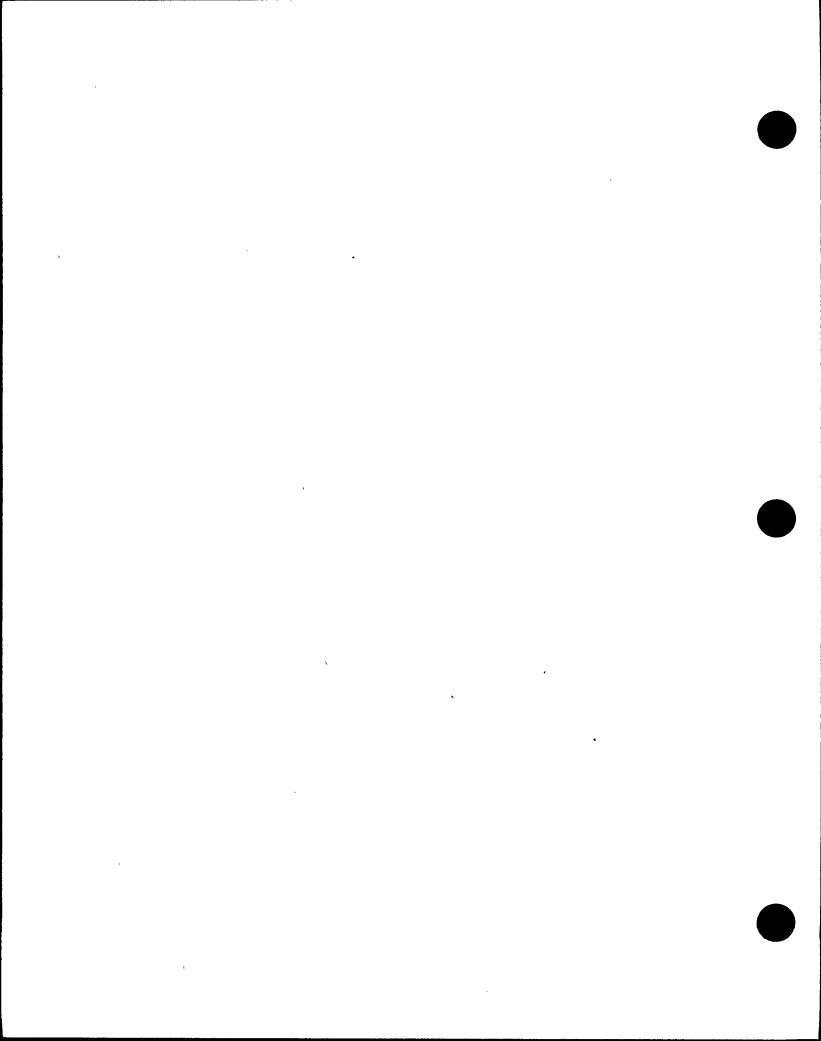
Remarks NOWE	·
, Applicable Manufa	cturer's Data Reports to be attached
	<u> </u>
	
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	• • • • • • • • • • • • • • • • • • • •
CERTIFICATE	OF COMPLIANCE
We certify that the statements made in the report are	
ASME Code, Section XI.	repair or replacement
•	
1.74	
Type Code Symbol StampN/A	
	t) .
Certificate of Authorization NoN/A	Expiration Date N/A
id Italian / Sula Promos	ou (Park) Almi I
signed la laulgy System Etyline	Date IVM 1
- Owner or Owner's Designee, Title	
	INSERVICE INSPECTION
	stional Board of Boiler and Pressure Vessel Inspectors and the Stat
or Province of TENNESSEE and employed by	ARTFORD STERM BOILER
HAATFORD, CT.	have inspected the components described
in this Owner's Report during the period	, 0,000 (110
	rmed examinations and taken corrective measures described in thi
Owner's Report in accordance with the requirements of the AS	
	ployer makes any warranty, expressed or implied, concerning th
	er's Report. Furthermore, neither the Inspector nor his employe
	ty damage or a loss of any kind arising from or connected with thi
inspection.	
Allet Lell	חימיים אין אין אין אין אין אין
Impactor's Signature Com	missions 3/33 (N , L , B) National Board, State, Province, and Endorsements
The second of the second	, ,),
Min 1' as	
Date19.7/	

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

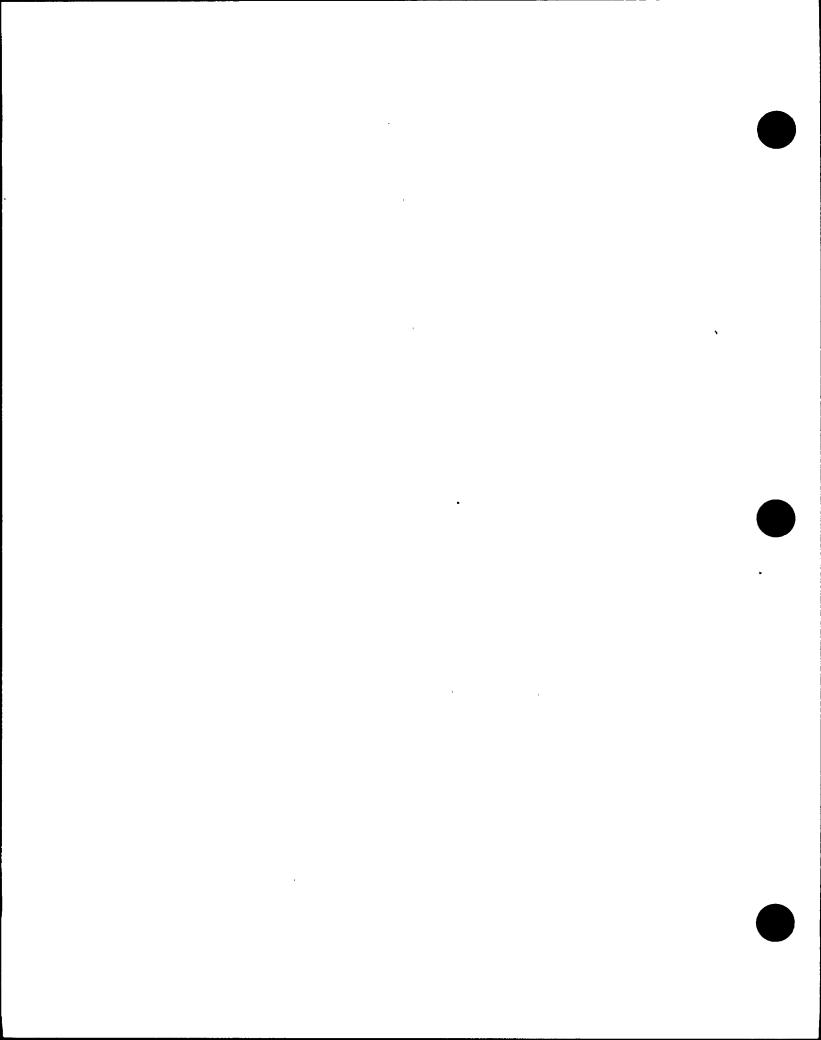
1. Owner TENN	IESSE VAL	LEY AUT	Hocity	Date 3- 24-	97		
1101 mag	KET STREET	OHETAN	100GAITH	Sheeto	, ,		
	Address Address	1 ~	37402-210	1	' 	· · · · · · · · · · · · · · · · · · ·	
2. Plant PROWI	NS LERRY NAME	WEAR PLAT	<u> </u>	Unit 3			
P.O. Box >	COC DEC	ATUR DI	asama	96-00	59 32	2-001	
			35604	96-00 Repair Organ	izstion P	ON doL ,. ON .O.	etc.
3. Work Performed by	T.V.A	None		Type Code Symbol :	Stamp	NA	
		-	257.9	Authorization No Expiration Date		VA VA	
_1_0_650	ZOUC DEC	MURC) /ID		expiration Date	<u>'</u>	<u> </u>	
4. Identification of Sys	stem (CVE S	204 (75	()				
5. (a) Applicable Cons	struction Code <u>USAS</u>	6_B3], <i>].0</i> _19	67 *Edition,	N/A	ddenda,_	N/A	_Code Case
(b) Applicable Editi	ion of Section XI Uti	lized for Repairs	or Replacements	19_84			
6. Identification of Co	mponents Repaired o	or Replaced and f	Replacement Con	nponents			
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
HANGER		N/A	MA	478458-566		REPAIRED	No
							
7. Jescription of Work	REPAIRED	Defect	IN WELL	D. By 62.	מלנט	G	
8. Tests Conducted:	Hydrostatic Prossure_	eumatic No	ominal Operating Test Temp.	Pressure C N/A			
NOTE: Supplement	tal sheets in form of	lists, sketches, o	or drawings may I	be used, provided (1) (3) each sheet is num	size is 8%	in. × 11 in., (2) i d the number of	nforma- sheets is

(12/82) This form (E00030) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300. REPRINT 4/93

* as amended by additional quality assurance requirements found in Contract 68 C37-91062 and Design Criteria BFN-50-7075.



9. Remarks Repair by grinding affected weld material only. Base metal was
not affected. The NVT3 inspection verified minimum acceptable weld metal
<u>CMaining</u>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair</u> conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. NA Expiration Date NA
signed him System Engineer (ISI) Date MUM 1 19 97
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION .
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of TENNESSEE and employed by HARTFORD STEAM BOILER of
MARTFORD, CT have inspected the components described
in this Owner's Report during the period 3/1/97 to 3/3/97 , 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 3/35 ("V"Z" A"B 5") National Road State Browless and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
\mathcal{M}_{\sim} , and
Date197



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

As Required by the Provisions of the ASME Code Section XI

		···								
_	· · · · ·	Valley Authority (TVA)	•	_	Date	May 1, 19	2 97			
1	1101 Marke	et Street								
	Chattanoog	a, TN 37402-2801			Sheet	1	of _	1		
		Address								
_		ту Nuclear Plant (BFN)		_	Unit	3				
F	P. O. Box 2	2000, Decatur, AL 356	209-2000		Design Work O	Change Noti Irders 96-009	ices T3: 9016-00	3906, F4 14. 96-0	401 <i>2</i> 5, F40144, V 09016-010, 97-00	736612 31758-000
t		Address		_	- 110	Repair	r Organiza	tion P.O.	No., Job No., etc.	
3. Work Perfo	rmed by	TVA-BFN			Туре С	ode Symbol :	Stamp	N/	A	
	_	Name 2000, Decatur, AL 356		_	Authoria	zation No.	N/A			
	F. O. BOX 2	Address		-			N/A			
					физи	on Date	IVA		·	
4. Identification	n of System	n System 001, Main	Steam System							
	·									
F (a) Applied	bla Canata	uction Code USAS B	31.1.0 19	67 • Edi	tion. N	/A	Ade	denda.	N-416-1 C	ode Case
5. (a) Applical	Die Consul	COAO D	31.1.0							
(b) Applical	ble Edition	of Section XI Utilized for	Repairs or Replace	ements 19	89					
								•		
C Identificatio	n of Comp	onents Repaired or Repl	aced and Reniacem	nent Compon	ents					
. Identification	ni oi Comp	offering trapalited of Trapi	acca and replacen	iona Gonnpon						···
Name of Com	ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe	r Identificatio	on	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Main Steam Line	• A	Atwood & Morrill	N/A	N/A	3-F(CV-001-0014	4	N/A	Replacement	No
Inboard Isolation		20851-H-26		<u> </u>						<u> </u>
Main Steam Line Inboard Isolation		Atwood & Morrill 20851-H-26	N/A	N/A	3-F(CV-001-0051	1	N/A	Replacement	No
	-									
				 	<u> </u>				-	
				·						
			<u> </u>	<u> </u>	<u> </u>				<u> </u>	<u> </u>
7. Description	n of Work	Replaced valve stem	and cover (bonnet).							
•										
			Dogwoodie [77]	Mominal	Operation	Pressure [⊠			
8. Tests Con-	uucted:	Hydrostatic	Pneumatic	Monthial	Operaurig	, ressure L	ਪ			
		Other 🔲 Pres	sure N/A p	si Te	st Temp.	N/A	. *F			

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

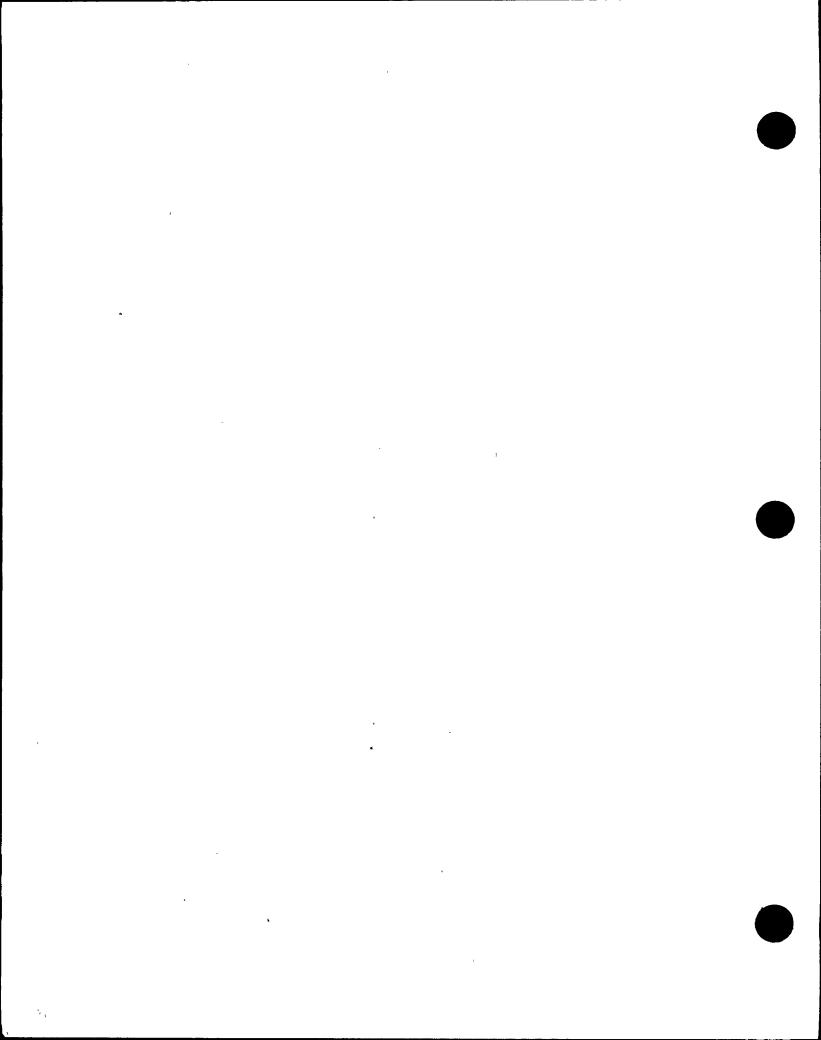
9.	Applicable Manufacture's Data Reports to be attached
•	
•	
	•
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
	repair or replacement
	ASME Code Section XI.
	Type Code Symbol Stamp N/A
	Type Code Symbol Stamp 14/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Start C. Willed Systems Engineer Date 5/16 .19 97
	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 TEVNESSEE and employed by HSBIET of
	HARTINGS CT have inspected the components described
	in this Owner's Report during the period $\frac{2}{36/97}$ to $\frac{3}{399}$, 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.
	11/1 - In Trace "11 11 11
	Most Tailed Commissions TN 3135 N Z
	Inspector's Signature , resonal Board, State, Province, and Encorsements
	Date 16 19 97

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

As Required by the Provisions of the ASME Code Section XI

P. O. Box 2000, Decatur, Alon of Work P. O. Box 2000, Decatur, Alon of Work P. O. Box 2000, Decatur, Alon of Work P. O. Box 2000, Decatur, Alon of Work Replaced valve stem and actuator Authorization No. Authorization No. Expiration Date N/A Addenda, N/A Addenda, N/A Code Case Althorization No. N/A Addenda, N/A Code Case N/A Code Case AsME Code Stamped Replaced, or Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. N/A N/A AsME Code Stamped Replaced, or Replaced, or Replacement No. ASME Code Stamped No. PCI Main Pump Minimum Flow Valve Poveil, 19051WE Replaced Valve stem and actuator	_										
Chattanooga, TN 37402-2801 Assert 2. Plant Browns Ferry Nuclear Plant (BFN) P. O. Box 2000, Decatur, AL 35609-2000 Assert 3. Work Performed by TVA-BFN P. O. Box 2000, Decatur, AL 35609-2000 Assert P. O. Box 2000, Decatur, AL 35609-2000 Assert Type Code Symbol Stamp N/A P. O. Box 2000, Decatur, AL 35609-2000 Assert Fype Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System System O73, High Pressure Coolant Injection System 5. (a) Applicable Construction Code USAS 831.1.0 19 67 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XJ Utilized for Repaired and Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Sofial No. N/A N/A 3-FCV-073-0000 N/A Replaced, or Replacement No Minimum Flow Valve 19051WE N/A N/A N/A 3-FCV-073-0000 N/A Replacement No Minimum Flow Valve 19051WE N/A N/A N/A 3-FCV-073-0000 N/A Replacement No Minimum Flow Valve 19051WE N/A N/A N/A 3-FCV-073-0000 N/A Replacement No Minimum Flow Valve 19051WE N/A N/A N/A 3-FCV-073-0000 N/A Replacement No Minimum Flow Valve 19051WE N/A N/A N/A 3-FCV-073-0000 N/A Replacement No Minimum Flow Valve 19051WE N/A N/A N/A Replacement Included two tack welds which did not penetrate the Welds which did not penetrate the	1.	Owner	Tennessee)	 -	Date	May 1, 1997	7		
2. Plant Browns Ferry Nuclear Plant (BFN)			1101 Mark	et Street Name							
2. Plant Browns Ferry Nuclear Plant (BFN)			Chattanoo	ga, TN 37402-2801		-	Sheet	1 0	1 1		
P. O. Box 2000, Decatur, AL 35609-2000 Asidests Asidests Accesses Asidests Type Code Symbol Stamp N/A Authorization No, N/A Expiration Date N/A Authorization No, N/A Expiration Date N/A Authorization No, N/A Expiration Date N/A Authorization Of System System Orgon, High Pressure Coolant Injection System 5. (a) Applicable Construction Code 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 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. N/A N/A 3-FCV-073-0030 N/A Replacement No Minimum Flow Valve 1905/WE N/A N/A 3-FCV-073-0030 N/A Replacement No Minimum Flow Valve 1905/WE N/A N/A 3-FCV-073-0030 N/A Replacement No Minimum Flow Valve 1905/WE N/A N/A 3-FCV-073-0030 N/A Replacement No Minimum Flow Valve 1905/WE Replaced Valve stem and actuator Replaced Valve stem and actuator Replaced Valve stem and actuator Replacement Included two tack welds which did not penetrate the				Address		-					
Address	2.	Plant	Browns Fe	rry Nuclear Plant (BFI	١)		Unit	3		·	
Addentification of System Name of Component Name of Component Name of Component Name of Manufacturer Manufacturer Manufacturer Serial No. No			P. O. Box	2000, Decatur, AL 35	609-2000		Design	Change Notic	e T38171, S	tage 2	
P. O. Box 2000, Decatur, All 36609-2000 Address Expiration No. N/A Expiration Date N/A 4. Identification of System System 073, High Pressure Coolant Injection System 5. (a) Applicable Construction Code 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 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Sorial No. No. Other Identification Year Replaced, or Replaced, or Replaced, or Replacement No. No. HPCI Main Pump HPCI Main Pump Minimum Flow Valve 19051WE N/A N/A 3-FCV-073-0030 N/A Replacement No. No. Replacement No. No. Replacement No. Replacement No. No. Replacement No. No. Replacement No. No. Replacement No. Replacement No. No. Replacement No. No. Replacement No. No. Replacement No. No. Replacement No. No. Replacement No. No. No. No. Replacement No. No. No. No. No. No. No. No. No. No.	•			Address		•••	_11,016.5	Repair Or	ganization P.O.	No., Job No., etc.	
Addenda, N/A Addenda, N/A Code Case	3.	Work Pe	rformed by			_	Туре С	ode Symbol S	tamp N	/A	
Expiration Date N/A 4. Identification of System System 073, High Pressure Coolant Injection System 5. (a) Applicable Construction Code 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 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer Serial No. No. Other Identification Pear Repaired, Replaced, Office of Stamped (Yes or No) HPCI Main Pump Powell, N/A N/A 3-FCV-073-0030 N/A Replacement No Minimum Flow Valve 19051WE No. No. No. No. No. Replacement No. No. No. No. No. Replacement No. No. No. No. Replacement No. No. No. No. Replacement No. No. No. Replacement No. No. No. No. Replacement No. No. No. No. No. Replacement No. No. No. No. No. Replacement No. No. No. No. No. Replacement No. No. No. No. No. No. No. Replacement No. No. No. No. No. No. Replacement No. No. No. No. No. No. No. No. No. No.			P. O. Box		609-2000	_	Authori	zation No.	N/A	·- · · · · · · · · · · · · · · · · · ·	,
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S. (a) Applicable Construction Code 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 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. National Replaced, Replaced, or Replaced, or Replaced, or Replaced, or No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A Replacement No. No. N/A N/A N/A N/A N/A N/A N/A N/A Replacement No. No. No. N/A Replacement No. No. No. N/A N/A N/A N/A N/A N/A N/A Replacement No. No. N/A N/A N/A N/A N/A N/A N/A N/A Replacement No. No. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		l dankida.	Nam of Combon	- Contam 073 Life	- Benedika Coelast I	nia ation. Court					
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Manufacturer Serial No. No. Other Identification Year Repaired, Replaced, or Replacement No. Replacement No.	4.	Identinca	tion of Syster	n System 073, Higi	n Pressure Coolant II	njection Syst	em	·		·	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. No. Other Identification Year Repaired, Replaced, or Replacement No. No. No. No. No. No. No. No. No. No.											
Name of Components Repaired or Replaced and Replacement Components National Name of Manufacturer Serial No. No. Cher Identification Year Replaced, or Replaced, or Replacement No. No. No. No. Replacement No. No. No. Replacement No. No. No. Replacement No. No. No. No. No. Replacement No. 5. (8	a) Applio	cable Constr	uction Code USAS E	131.1.0	67 Edi	ion, <u>N/</u>	<u> </u>	Addenda,	N/A C	ode Case	
Name of Component Name of Manufacturer Serial No. National Board No. No. Other Identification Pear Repaired, Replaced, or Replacement No. No. No. No. No. No. No. No.	(t	o) Appli	cable Edition	of Section XI Utilized fo	r Repairs or Replace	ments 19	89				
Name of Component Name of Manufacturer Serial No. National Board No. No. Other Identification Pear Repaired, Replaced, or Replacement No. No. No. No. No. No. No. No.											
Name of Component Name of Manufacturer Serial No. National Board No. HPCI Main Pump Minimum Flow Valve Powell, 19051WE N/A N/A N/A N/A 3-FCV-073-0030 N/A Replacement No No Replacement No No Replacement No No Replacement No No Replacement No No Replacement No No Replacement No No Replacement No No Replacement No Replacement No No Replacement No Replacement No No Replacement No Replacement No Replacement No Replacement No Replacement No Replacement No Replacement included two tack welds which did not penetrate the	6.	Identificat	tion of Comp	onents Repaired or Rep	laced and Replacem	ent Compon	ents				
Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Year Replaced, or Replaced, or Replacement No. No. No. No. No. No. No. No.)			,	<u> </u>				 -	 	
Name of Component Name of Manufacturer Name of Manufacturer Serial No. No. No. Other Identification Year Replaced, or Replaced, or Replacement No. No. HPCI Main Pump Minimum Flow Valve Powell, 19051WE No. No. No. No. No. No. No. No											
Name of Component Name of Manufacturer Serial No. No. Other Identification Year Built Replaced, or Replacement No. HPCI Main Pump Minimum Flow Valve Powell, 19051WE No. N/A N/A 3-FCV-073-0030 N/A Replacement No. No. No. Replacement No. No. No. No. No. No. No. No						National			Ì	Repaired.	
HPCI Main Pump Minimum Flow Valve Powell, 19051WE N/A N/A 3-FCV-073-0030 N/A Replacement No Replaced valve stem and actuator Replaced valve stem and actuator Replaced valve stem and actuator Replacement included two tack welds which did not penetrate the	N	lame of Co	mponent			Board	Other	Identification		Replaced, or	(Yes or
7. Descritation of Work Replaced valve stem and actuator 3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the				Manufacturer	Senai No.	No.			Buix	Replacement	No)
7. Descri_xion of Work Replaced valve stem and actuator 3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the					N/A	N/A	3-FC	V-073-0030	N/A	Replacement	No
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the	Mini	mum Flow	Valve	19051WE							
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the											
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the											
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the											
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the											
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the											-
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the		-			·				!	L	
3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Replacement included two tack welds which did not penetrate the	7.	Descri_At	on of Work	Replaced valve stem	and actuator						
welds which did not penetrate the		•	*				·				
welds which did not penetrate the	8.	Tests Co	nducted: F	lvdrostatic □ F	Pneumatic	Nominal C	peratina P	ressure \square	Replacem	nent included two	tack
Other Pressure N/A psi Test Temp. N/A F pressure boundary.							-		welds whi	ich did not penetra	
	4		C	ther 🔲 Pres	sure <u>N/A</u> ps	ı Tes	t Temp.	<u>N/A</u> 'F	pressure	boundary.	
		•									F

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



Remarks None Applicable Manufacturer's Data in	Reports to be attached
CERTIFICATE OF COL	
We certify that the statements made in the report are correct and this	replacement conforms to the rules of the
ASME Code Section XI.	tahm or tahreaman
•	
	P.
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration Date N/A
21 1 - 111 1	
Signed Stephen Californ, System Engineer	Date <u>5//2</u> ,19 9
Owner or Owner's Designee/Title	<i></i>
CERTIFICATE OF INSERVI	CE INSPECTION
I, the undersigned, holding a valid commission issued by the National B	Roard of Boiler and Pressure Vessel Inspectors and the State
or Province of and employed by	<i>H58 I E I</i> of
HARTFORD, CT	have inspected the components described
in this Owner's Report during the period 3/5/17	to <u>3/8/97</u> , and state that
to the best of my knowledge and belief, the Owner has performed examination	ns and taken corrective measures described in this Owner's
Denot in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur	any warranty, expressed or implied, concerning the table in the theory of the majorer shall be liable in
examinations and corrective measures described in this Owner's Report. Fur any manner for any personal injury or property damage or a loss of any kind a	rising from or connected with this inspection.
any manina no any parsona injury or property damage or a 1995 or any tana a	······································
	T12125 "T" "1"
Commissions	National Board, State, Province, and Endorsements
tabecox a advance	
Date 7/1/21/2 19 97	

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

As Required by the Provisions of the ASME Code Section XI

	e Valley Authority (TVA)		Date May 1, 1997			
1101 Ma	rket Street						
Chattano	oga, TN 37402-2801	<u>-</u>	_	Sheet 1 of	1		·
2. Plant Browns i	erry Nuclear Plant (BFI	۷)	_	Unit 3			
P. O. Bo	2000, Decatur, AL 35	609-2000	_	Work Order 96-01292	3-000 a	No., JOB No., etc.	3842-00
2 Mark Bordsmod by	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Type Code Symbol Sta		/A	Ž
3. Work Performed by	Name	609-2000	_		-	<u> </u>	
P. U. 80	2000, Decatur, AL 35	as-200	-	Authorization No. N			
				Expiration Date N/A	·		
4. Identification of Syst	em System 001, Mair	n Steam System					
	ASME S	Sec. III, Article 9, 19	65 and				
5. (a) Applicable Cons				dition, Summer 1970	Addenda,	N/A	Code Case
des Annières de Paris	- of Cooking VI I William of the	s Danaisa as Banka		•			
(b) Applicable Editio	n of Section XI Utilized fo	r Repairs or Replac	ements 19 _	<u> </u>			
6. Identification of Com	ponents Repaired or Rep	laced and Replacen	nent Compon	ents			
	T	<u> </u>		<u></u>		ì	T
					1		ASME Code
None of Commence	Name of	Manufacturas	National	Other Identification	Vane	Repaired,	Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
····							
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1062	N/A	3-PCV-001-0004	1968	Replaced	No
					1		
	,			-	<u> </u>		
						-	
*							
		valve body for insp	ection and tes	ting.			
C. Description of Work	Replaced MSRV main						
, Description of Work	Replaced MSRV main	<u>-</u>					
- Barber		neumatic [Nominal C	perating Pressure			
. Tests Conducted:		neumatic [

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 and Design Criteria BFN-50-7001.

Remarks Main valve body replaced with refurbished valve body from the companies of the Manufacturer's Data R	enorts to be attached	
placed missing nuts & stud damaged during disassemb	by as part at referbishment under WO96-	013
	<u> </u>	
CERTIFICATE OF COM	IPLIANCE	
We certify that the statements made in the report are correct and this	replacement conforms to the rules of the	
SME Code Section XI.	repair or replacement	
1	•	
•		
ype Code Symbol Stamp N/A		
ertificate of Authorization No. N/A	Expiration Date N/A	
0/10/10/1	-/0	<i>~</i> ~
igned Stoke (Willay) Systems Engineer	Date	9
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVIC I, the undersigned, holding a valid commission issued by the National Bo		_
Province of TENNESSEE and employed by	// a // a	e of
HARTRORD, CT	have inspected the components describe	ed
4115 C WILLIAM C C C C C C C C C C C C C C C C C C C	o <u>3//2/97</u> , and state tha	
the best of my knowledge and belief, the Owner has performed examinations eport in accordance with the requirements of the ASME Code, Section XI.	and taken corrective measures described in this Owner's	
By signing this certificate neither the Inspector nor his employer makes a	any warranty, expressed or implied, concerning the	
aminations and corrective measures described in this Owner's Report. Furth	nermore, neither the inspector nor his employer shall be lial	ble in
y manner for any personal injury or property damage or a loss of any kind ari	sing from or connected with this inspection.	
,		
1111 - 410		
Mous sield Commissions	TN3135 "N" "I"	
Inspector's Signature	National Board, State, Province, and Endorsements	
ate Mar. 9 19 9 7		

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

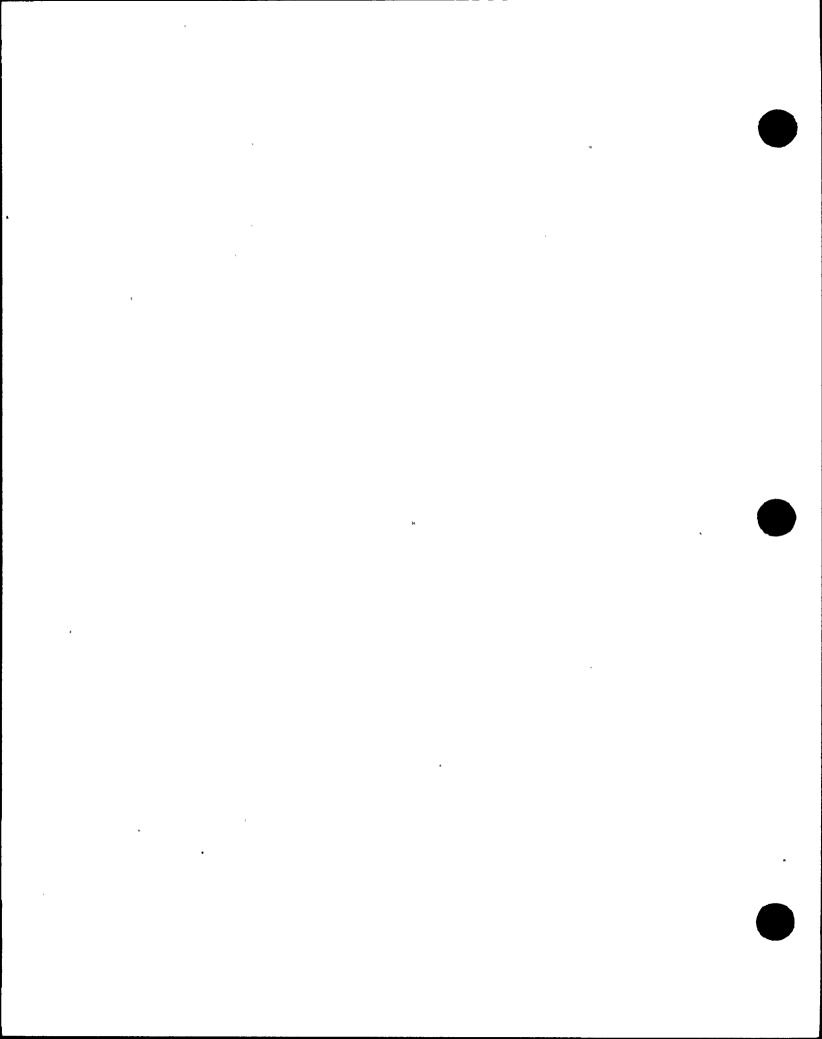
As Required by the Provisions of the ASME Code Section XI

4 Ouman Tannasaa Vallay Authority (TVA)	
Name	Date May 1, 1997
1101 Market Street	
Chattanooga, TN 37402-2801 S	Sheet 1 of 1
2. Plant Browns Ferry Nuclear Plant (BFN) U	Jnit 3

P. O. Box 2000, Decatur, AL 35609-2000 V	Vork Order 96-012941-000 and 96-013842-003 Repair Organization P.O. No., Job No., etc. 35, y
3. Work Performed by TVA-BFN T	ype Code Symbol Stamp N/A
P. O. 80x 2000, Decatur, AL 35609-2000 A	authorization No. N/A
Address	piration Date N/A
4. Identification of System System 001, Main Steam	
ASME Sec. III, Article 9, 1965 and 5. (a) Applicable Construction Code ASME Sec. III 19 68 * Edition,	, Summer 1970 Addenda, N/A Code Case
	, <u></u>
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89	
6. Identification of Components Repaired or Replaced and Replacement Components	•
	1045
	ASME Code
Name of Component Name of Manufacturer Board C	Other Identification Year Replaced, or (Yes or
Manufacturer Serial No. No.	Built Replacement No)
Main Steam Relief Valve Target Rock Corp. 1075 N/A	3-PCV-001-0031 1968 Replaced No
7587F-000-10	
7. Description of Work Replaced MSRV main valve body for inspection and testing.	
Replaced discharge flange nut lost during maintenance.	
	·
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operation	ang Pressure 🔯
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operation Other Pressure N/A psi Test Tem	-

^{*}as amended by additional quality assurance requirements found in Contract 68C37-91750 and Design Criteria BFN-50-7001.

Remarks Main valve body replaced with refurbished MSRV valve body pre	eports to be attached
placed missing components (5 potts a 12 splme nuts) duri	ing refurbishment under WO 96-013842-003.
	· · · · · · · · · · · · · · · · · · ·
	•
CERTIFICATE OF COM	PLIANCE
We certify that the statements made in the report are correct and this	replacement conforms to the rules of the
SME Code Section XI.	repair or replacement
pe Code Symbol Stamp N/A	
ertificate of Authorization No. N/A	Expiration Date N/A
Control of Administration (1)	
gned Starte Cold Illust Systems Engineer	Date
Owner or Owner's Designed, Title	
CERTIFICATE OF INSERVICE	FINSPECTION
I, the undersigned, holding a valid commission issued by the National Box	
Province of TENNESSEE and employed by H:	
HAAT FORD, C.T this Owner's Report during the period 2/26/47 to	have inspected the components described and state that
the best of my knowledge and belief, the Owner has performed examinations	
eport in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes a	ny warranty, expressed or implied, concerning the
aminations and corrective measures described in this Owner's Report. Furth	ermore, neither the Inspector nor his employer shall be liable in
y manner for any personal injury or property damage or a loss of any kind aris	ing from or connected with this inspection.
Mont Tall Commissions	IN3135 "I" "N"
hispector's Signature	National Board, State, Province, and Endorsements
ite May 9 19 97	
ate /// <i>Q₁</i> / 19 / /	

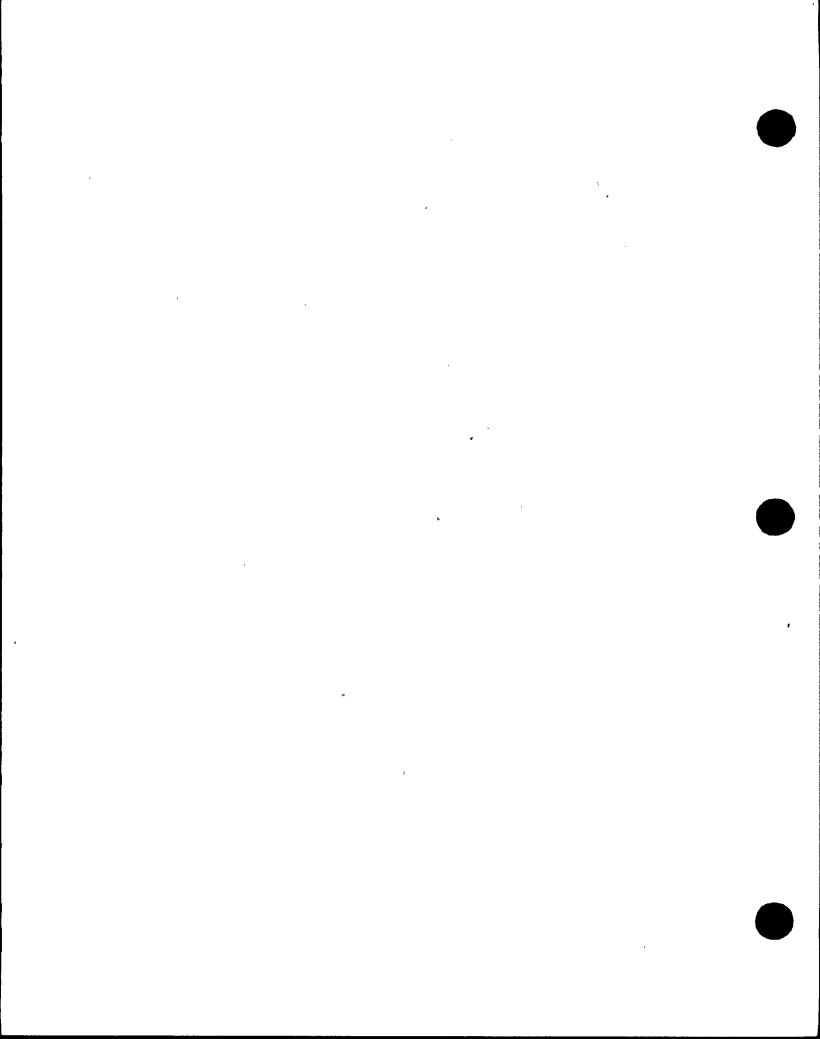


FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

IIII M	ee Valley Augarket St. Name	thority		Date Februar	<u>y 3. 1</u>	997	
	ooga. Tn. 374			Sheet	f1	·	
Plant Browns			····	Unit3			
·	0; Decatur, A		2000	Work Order C	26-015 nization P	423-000 .o. No., Job No.,	etc,
. Work Performed by		TVA		Type Code Symbol			
P.O. Box 200			2000 .	Authorization No Expiration Date		4	
. Identification of Sy	stemSystem_	73. High F	ressure C	oolant Inject	ion	·	
(a) Applicable Cons (b) Applicable Edit * as suppler Identification of Co	ion of Section XI Uti mented by req	lized for Repairs uirements	or Replacements contained	in contract	A 4/6/97		Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support(Snubl -478455-629	er) Pacific Scientific	6468	N/A	3-SNUB-073 -5010	N/A	Repaired	NO
						<u></u>	
Description of Work		ubber 3-SN lass 2 equ	UB-073-501 ivalent co	O with like-	for∸li	ke; this s	nubber

This form (E00030) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300. REPRINT 4/93

(12/82)



Remarks NONE				
Appl	licable Manufactu	rer's Data Reports t	o be attached	
				
		•		
				
				
	ERTIFICATE OF		1	
We certify that the statements made in ASME Code, Section XI.) the report are c		or replacement	
Type Code Symbol Stamp		N/A	•	
Certificate of Authorization No.	N/A	Expiration O	***	N/A
Signed Jimmy E. Kibor, Mech. Owner of Owner's Designee, Title	anical Eng	ineer_Date	February :	3, 19 <u>97</u>
0507	TICIOATE OF IN	SERVICE INSPECT	TON.	
I, the undersigned, holding a valid commission is:				essel Inspectors and the
or Province of TENNESSEE and en				
HADTEADD CT				
in this Owner's Report during the period	124/97	to	7/3/97	, and state
to the best of my knowledge and belief, the Ov				
Owner's Report in accordance with the requirement	ents of the ASM	Code, Section XI.		
By signing this certificate neither the Inspect	tor nor his emplo	oyer makes any war	ranty, expresse	d or implied, concernin
examinations and corrective measures described	d in this Owner's	Report, Furtherm	ore, neither the	Inspector nor his emp
shall be liable in any manner for any personal in	jury or property	damage or a loss of	any kind arising	from or connected with
inspection.				
//// 7 / 00		2122	19,100,00	2"2"2"
Inspector's Signature	Commi	ssions 900 National B	Coard, State, Pro	S"B") ovince, and Endorsemen
ma 1 97		•		
Date19				

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FORM NF-2 NPT CERTIFICATE HOLDERS' PARTIAL DATA REPORT FOR PARTS FOR COMPONENT SUPPORTS As Required by the Provisions of the ASME Code Rules, Section III, Division 1

	Job-8500						
1. Menufectured	Bergen-Pat	erson Pi		ort Corp., I		NH 03246	
2. Manufactured	Tennessee	Valley A	uthori	ty , Knoxvi	le, Tenr	essee	
1. Location of In	nerolletion Hartsv	file Nuc		ower Plant,		le, Tennessee	
TAG	N/A	*				N/A	
4. (d) Part	(b) Cenedian	le) Part		60	(a)	(f) National	(g)
Sorial No.	Registration No.	Drewing Na.	Rev.≠	Description of Part	Class	Board No.	Year Built
(1)_X1Z\	VS-310980	*	0	Item 3	2	Oty of 2	1980
(2)_X17\	vs-311183		0	Item 3	2	Oty of 2	1980
coX17\	VS-311422 V			Item 3	22	Oty of 2	1980
(4)_X17\	vs-320144	*	_0	Item 1	22	Oty of 2	1980
(51_X17)	vs-320250 🖊 /	<u> </u>	_1	Item 3	3	Qty of 2	1981
(6) _X17\	VS-420123	*		Item 3	3.		1980
(7)_X17\	vs-110062	<u> </u>	0	Item 3.8.9	2	Oty of 2	1980
(8)_X17E	RS-420122	<u> </u>	1	Item 1,3,4	3	Qty of 2	1980
191_X17F	RS-420123 L.	+	1	Item 1	3 ⋅		1980
			0	Item 1	3	Qty of 2	1980
(101 <u>X17F</u>	RS-310258	*	<u>_V</u>	1 (0)			
	RS-310258 ag number same		ing nur	mber.			
# T	ag number same the statements made in E. Code for Nuclear Pow	CERT	ing nur	nber. OF COMPLIAN	ment support	parts conform to the n 977_, Addenda Sum	mer 1977 (Dam)
# T	ag number same the statements made in E Code for Nuclear Pow	CERT this report are er Plant Comp	reficate correct a	nber. OF COMPLIAN and that these composition III, Division I	ment support	parts conform to the n 977_, Addenda Sum	mer 1977 (Dam)
# To We certify that too of the ASM Code Case no	the statements mede in E Code for Nuclear Pow	this report are er Plant Comp	ocorrect a consents. Se	nber. OF COMPLIAN and thes these composection III, Division in the case modern in the cas	onent support Edition_1	ports conform to the n 977 . Addenda Sim	wast
# To We certify that too of the ASM Code Case no	ag number same the statements made in E Code for Nuclear Pow	this report are er Plant Comp	ocorrect a consents. Se	nber. OF COMPLIAN and that these composition III, Division I	onent support Edition_1 by	perts conform to the n 977, Addenda Stati on Keyes-Stati ymbol expires 9-8	wast
* To We certify that ston of the ASM Code Case no	the statements mede in E Code for Nuclear Pow	this report are er Plant Comp	ocorrect a consents. Se	nber. OF COMPLIAN and that these composition III, Division II terson cate Holderi me the NPT	onent support Edition_1 by	perts conform to the n 977, Addenda Stati on Keyes-Stati ymbol expires 9-8	mer 1977 . (Dam) (Wast 3-81
* To We certify that ston of the ASM Code Case no	the statements mede in E Code for Nuclear Pow	cent this report are ar Plant Comp aned Berry t No. 1217	ng nur nercate correct a correct a correct a	nber. OF COMPLIAN and that these composition III, Division II terson cate Holderi me the NPT	ment support	perts conform to the n 977, Addenda Stati on Keyes-Stati ymbol expires 9-8	mer 1977 . (Dam) (Wast 3-81
# T. We certify that: tion of the ASM Code Case no Deta	the statements made in E Code for Nuclear Pow N/A 19 81 . gr	this report are er Plant Company Berry (No. 121) CERTIF mission issued dismployed by have the to the little to the little control of the little control	ng nur nFICATE correct a corre	mber. E OF COMPLIAN and they these composition III, Davision territorial terr	cTION CT	parts conform to the na 277. Addenda Sum A Keyes-Sta ymbol expires 9-8 sure Vessel Inspectors artford, CT peorts described in this ertificate Molder has on	mer 1977 (Date) (Wart 3-81 (Date)
the certify that ton of the ASM Code Case no Deta	the statements made in E Code for Nuclear Power N/A 19 81 . grant of Authorization of Autho	centre this report are are Frant Company and Berry (No. 1217) CERTIF mission issued dismployed by have the to the I with the ASM (Inspector no. Data Resor	ng nur nFICATE correct a c	There is the second of the the composition III, Division is the section III, Division is the section III, Division is the section if the section is the section if the section is the section is the section in the control of the section is the section in the section is the section in the section is the section in the section is the section in the section in the section in the section is the section in the sect	CTION CTION Dilar and Pres or H ornponent sur stranty, expres inspector	parts conform to the no 1977. Addends Stime	mer 1977 (Date) LUANT 3-81 (Date) and the State or a Data Report on constructed these corning the com-
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(10/77)

This form (E00078) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

[&]quot;Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information on kerns 1-4 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

page 4 of 50

BERGEN-PATERSON PIPESUPPORT CORP.

PORM NF-2 NPT CERTIFICATE HOLDERS' PARTIAL DATA REPORT FOR PARTS FOR COMPONENT SUPPORT* As Required by the Provisions of the ASME Code Rules, Section III, Division 1

' Seriel Reg	N/A to) meden fisration	# fert Drawne		(d) Description	(a)	le, Tennessee N/A in National Board	(g) Year
Ne.	<u>Ma.</u>	No.		Item 2 ·	Che	No.	:198Ô
11) X1755-310920		*	<u>,</u> 0	Item 3	<u>; 2</u> 3		1981
12) X17VS-130294 (*			3	Obv. 65.2	1981
13) X17SP-130211	<u> </u>	*	0	.Item 4,5	3	Qty of 2	
14) X17SP-130359	<i></i>		0	Item 1			1981
15) X17SP-130361		*	0	Item 1	3		1981
16) X17SP-130414		*		Item 1,2	3	Qty of 2	1981
 17]-X17 V5-120243	<u> </u>	*	0	Item 3	3		1981
(18)-X1755=310779	Same.		0	Item 2	2_	Oty of 2	1980
(19) X17VS-120161	<u> </u>	*	.`0	Item 3	2		1981
(20) x17YS-102162		*	0	Item 3	2		1981
(21) X17RS-310834	\checkmark	*	1	Item 1,2	2		1980
(22) X17RS-311028	/	*	1	Item 1,3	2		1980
(23) X17RS-320247	1/	*	0	Item 1	3	Qty of 2	1980
(24) X17SP-120041	一,丁	*	2	Item 3,4,5	2	Item 3.4 Oty of 2	1980
(25) X17RS-320136		*	1	Item 1	3		1980
	<u></u>	 				,	
(27) X17RS-320557	11	*	1	Item 1	3		1980
(28) X17RS-320251	J	*	0	Item 1,2	3	Qty of 2	1980

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	119	knowi ''	name and accress at a	M1 CIVETER BY 8400	•		
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(a)	65)	(c)	(d)	(a)	(1)	(a)	(h)
Component	Canadian	Applicable	Stress Report	Type of	***	•	****
Support I.D. No.	Registration	Drawings with	or Loed Cace-	Component Support	Class	Nat'l Board No.	Year Budt
	No.	Lest Rev. & Date	CITY Data Sheet				
		1801103-07-		<u>linear</u>		None	1979
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Supplements sheets in form of lists, sketches or drawings may be used provided (1) size is 8/2 in., (2) information in terms (1.2).
 4c, 4g on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

(10/77)

This form (E00075) may be obtained from the Order Dest., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NF-1 (Back)

shart 5 th 9

(Nat'l &d., State, Prov., and No.)

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 of Province of NGW YORK and employed by HSBTET CO. of HATTON CT. Neve Inspectation component supports described in this Data Report on 12/20
Aero Inspected the component supports described in this Data Report on 12/20
19 Zy and state that to the best of my knowledge and belief the HPT Certificate Holder has constructed these component supports in accordance 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 an personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Signed William G. Meyer Commissions N. 4. Commission #2770 [Not'l Bd., State, Prov., and No]
CERTIFICATION OF FIELD INSPECTION
I, the undersigned, holding a valid commission, issued by the National Board of Boiler and Pressure Versel Inspectors and the State of Province of of
have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the HPT Certificate Molder has constructed these component supports in accordance with the ASME Code for Nuclear Power Print Components.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the componen success described in this Data Report, Furthermore, neither the Inspector nor his employer shall be fisble in any manner for any personal injury or property damage or a loss of any kind prising from or connected with this inspection.
Dete

ENCLOSURE 3

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

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), SECTION XI INSERVICE INSPECTION (ISI) AND REPAIR AND REPLACEMENTS PROGRAMS SUMMARY REPORTS FOR CYCLE 7 OPERATION

COMMITMENT SUMMARY

TVA will submit a request for relief by August 15, 1997, for BFN Unit 3, to address the reduced nondestructive examination coverage for the ASME, Section XI, Inservice Inspection, reactor pressure vessel head nozzle (N6A) weld.

A STATE OF THE STA * . , 1 50 . • • • • • • t as the sec