



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

June 29, 2004

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN P1-35
Washington, D.C. 20555-0001

Gentlemen:

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

BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 3 - AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI, INSERVICE INSPECTION, CONTAINMENT INSPECTION (IWE), AND REPAIR AND REPLACEMENTS PROGRAMS - SUMMARY REPORTS (NIS-1 AND NIS-2) FOR CYCLE 11 OPERATION

In accordance with paragraphs IWA-6220 and IWA-6230 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 1989 Edition, no addenda, TVA is submitting the BFN Unit 3 outage summary reports for NRC review. The summary reports are for inservice and containment inspection (NIS-1 Report), and repair and replacement activities (NIS-2 Report) for Unit 3 Cycle 11 operation.

TVA has determined that certain BFN Unit 3 welds had nondestructive examination (NDE) coverage limitations (less than 90 percent coverage completed) which exceed that specified in ASME Code Case N-460, "Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1." One austenitic stainless steel full penetration piping to tee weld; and one valve to elbow dissimilar metal weld for the Residual Heat Removal System, each had calculated NDE examination coverage of 50 percent. Also, one austenitic stainless steel pipe to

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valve weld in the Reactor Water Cleanup System had calculated NDE examination coverage of 50 percent. The limitations encountered during the performance of the above ultrasonic (UT) examinations were caused by component configuration and interferences with the examination equipment.

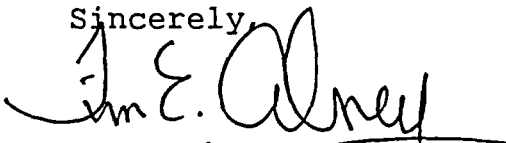
Additionally, TVA determined that three Reactor Pressure Vessel (RPV) vertical welds and one RPV nozzle (Standby Liquid Control) inner radius had NDE coverage limitations that exceeded that specified in ASME Code Case N-460, "Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1." The components had calculated NDE examination coverage ranging between 86 and 90 percent completed. The limitations encountered during the performance of the ultrasonic (UT) examination were caused by interferences with examination equipment and component configuration.

The above described weld examination limitations will be addressed by TVA in a request(s) for relief and submitted to NRC for staff review and approval.

Enclosure 1 of this letter contains the BFN Unit 3 Inservice and Containment Inspection Summary Report (NIS-1) for Code Class 1 and 2 pressure retaining components and their supports. Enclosure 2 contains the Repair and Replacements Summary Report (NIS-2) for Code Class 1 and 2 components and supports.

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

Sincerely,



T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosures

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNIT 3
AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME),
SECTION XI, SECOND TEN-YEAR INSPECTION INTERVAL
INSERVICE INSPECTION (ISI), CONTAINMENT INSPECTION, AND
AUGMENTED EXAMINATIONS PROGRAMS
SUMMARY REPORT (NIS-1) FOR UNIT 3 CYCLE 11 OPERATION

(SEE ATTACHED)

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

UNIT 3 CYCLE 11

NIS-1

“OWNER’S REPORT FOR INSERVICE INSPECTION”

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OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
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APPENDIX I FORM NIS-1 OWNER'S REPORT

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SCOPE
INTRODUCTION

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SUMMARY OF INDICATIONS

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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ATTACHMENT 1 AUGMENTED EXAMINATION SUMMARY

SECTION 1: AUGMENTED SUMMARY
SECTION 2: EXAMINATIONS PERFORMED DURING
 UNIT 3 CYCLE 11 (EXAMINATION SUMMARY)

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APPENDIX I

NIS-1 OWNER'S REPORT

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
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Inservice Inspection Introduction Summary

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

1. Date of document completion: April 22, 2004

2. Name of owner and address of principal offices:

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

3. Name and address of the nuclear generating plant:

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

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

Browns Ferry Nuclear Plant, Unit 3.

5. Commercial operation date of unit:

March 1, 1977

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

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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 V.

9. 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:
April 07, 2004

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

Samuel Flood and Billy J. Rice
Hartford Steam Boiler of Connecticut
200 Ashford Center North, Suite 205
Atlanta, Georgia 30338

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

See Appendix III, IV, V and VI

13. Signature of ANII:

See NIS-1 Form.

FORM NIS-1 OWNERS' REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Tennessee Valley Authority, 1101 Market St. Chattanooga, TN. 37402
(Name and Address of Owner)
2. Plant Browns Ferry Nuclear Plant, P.O. Box 2000 Decatur, AL. 35609-2000
(Name and Address of Plant)
3. Plant Unit 3
4. Owner Certificate of Authorization Not Required
5. Commercial Service Date 03/01/77
6. National Board Number for Unit Not Required
7. Components Inspected:

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	N/A	N/A
Various systems and components. (See Appendix V)	TVA	N/A	N/A	N/A
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<u>The NIS-1 Owners Report for Inservice Inspections includes Appendices I, II, III, IV, V, and VI.</u>				
_____	_____	_____	_____	_____
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8.5 in. X 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates 05/05/2003 to 04/07/2004

9. Inspection Period Identification: Third Period, 11/19/2002 to 11/18/2005

10. Inspection Interval Identification: 11/19/1996 to 11/18/2005

11. Applicable Edition of Section XI 1989 Edition No Addenda

12. Date/Revision of Inspection Plan: 3-SI-4.6.G Revision 016

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

See Appendix II, III, IV, V, VI.

14. Abstract of Results of Examinations and Tests.

See Appendix II, III, IV, V, VI.

15. Abstract of Corrective Measures. See Appendix VI

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Date May 25, 2004 Signed Tennessee Valley Authority By [Signature]
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB-CT of Hartford, CT., have inspected the components described in this Owners' Report during the period 05/05/2003 to 04/07/2004, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature] Commissions TN 4011
Inspectors Signature National Board, State, Province and No.

Date 5/25, 2004

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COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX II

SCOPE
AND
INTRODUCTION

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
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COMMERCIAL SERVICE DATE: MARCH 1, 1977	
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Scope:

The scope of this appendix is to provide an overview of the Inservice inspections performed during the Unit 3/Cycle 11 Outage on Class 1 and 2 components for ASME Section XI Code credit and other augmented examinations.

Introduction:

The examinations were performed in accordance with implementing plant surveillance instruction 3-SI-4.6.G "Inservice Inspection and Risk Informed Inservice Inspection Program Unit 3". 3-SI-4.6.G is organized to comply with the ISI NDE requirements of the 1989 Edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Division 1, Articles IWX-1000, IWX-2000, IWX-3000, and IWX-6000 in accordance with Title 10 Code of Federal Regulations (CFR) Part 50, 50.55a (g); to implement the Browns Ferry Nuclear Plant (BFN) Technical Requirements TR-3.4.3; and to fulfill the requirements of SPP-9.1, ASME Section XI Inservice Inspection Program. This was for the first period of the second inspection interval in Unit 3, with the exception of piping welds in the second and third periods.

Beginning the second period of the second interval, Surveillance Instruction 3-SI-4.6.G implemented the NRC approved BFN Risk-Informed Inservice Inspection Program to address all piping locations that are subject to service induced degradation. In accordance with Regulatory Guides 1.174 and 1.178 and Code Case N-577, this program provides an acceptable alternative approach to the existing ASME Section XI requirements for scope and frequency of piping weld examinations, and satisfies the criteria of 10CFR50.55a(a)(3)(i) providing an acceptable level of quality and safety.

Effective November 05, 2001, welded attachments are examined in accordance with ASME Boiler and Pressure Vessel Code, Section XI 1995 Edition, 1996 Addenda per TVA letter to the NRC dated, August 17, 2001 (RIMS # R08 010817 854) and Safety Evaluation Report (SER) from NRC dated, November 05, 2001.

The ASME Section XI Code of record for the BFN Unit 3 second ten-year inservice inspection interval is the 1989 Edition, no addenda. Subarticle IWA-2430 of the Code describes the inservice inspection interval inspection schedule and provides options for extending or decreasing the inspection interval for up to one year. The 1995 Edition, 1996 Addenda of the Code, Subarticle IWA-2430 provides greater flexibility in extending and even overlapping inservice inspection intervals.

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

An overview of ISI activities consists of the following:

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

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APPENDIX III

ISI SUMMARY

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Examination Summary:

The Unit 3, Cycle 11 Inservice Inspection (ISI) is the first and only scheduled refueling outage during the third inspection period of the second ASME Section XI 10-year inspection interval. The Cycle 11 Refueling Outage will close out the second ASME Section XI 10-year ISI inspection interval, with the exception of the following components. Code Category, B-D, Item No. B3.90 and B3.100, Code Category, B-K, Item No. B10.10, and Code Category, C-B, Item No. C2.33 have been extended for this interval for one year in accordance Subarticle IWA-2430 of the 1995 Edition, 1996 Addenda of the ASME Section XI Code. Reference letter submitted by TVA dated February 20, 2004 to the NRC to adopt Subarticle IWA-2430 of the 1995 Edition, 1996 Addenda of the ASME Section XI Code, in its entirety, for the remainder of the BFN Unit 3 second ten-year inservice inspection interval (November 19, 1996 to November 18, 2005). This request was approved by the NRC in a letter dated March 29, 2004.

Approximately 304 visual, 157 ultrasonic, 10 magnetic particle and 5 liquid penetrant examinations were performed in support of code credit components. Also, expanded examinations were performed; 4 visuals. Preservice examinations were performed; 3 ultrasonic, 10 visual, 2 magnetic particle, and 7 liquid penetrant examinations. Ten (10) Notification of Indications (NOI's) were issued to document indications identified during the performance of the examinations. These NOI's were evaluated by engineering and dispositioned (see Appendix VI, Summary of Indications).

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

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ASME Code Cases

The following code cases have been approved for use as applicable during the Unit 3/Cycle 11 outage:

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. Note that the requirements included in -3000 of Code Case N-491 or Code Case N-491-1 are technically equivalent to the requirements of Article IWF-3000 in the 1995 Edition, 1996 Addenda of ASME Section XI, Division 1.*

N-498-1 *Alternate Rules for 10-Year System Hydrostatic Testing for Class 1, 2 and 3 Systems Section XI Division 1.*

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

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

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

N-623 *Deferral of Inspections of Shell-to-Flange and Head-to-Flange Welds of a Reactor Vessel Section XI, Division 1.*

N-624 *Successive Inspections, Section XI, Division 1.*

N-577 *Risk-Informed Requirements for Class 1, 2, and 3 Piping, Method A, , Section XI, Division 1, (RIMS # R08 000601 846), with the more detailed provisions provided in WCAP-14572, Revision 1-NPA, "Westinghouse Owners Group Application Of Risk - Informed Methods To Piping Inservice Inspection Topical Report"*

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PERSONNEL/EQUIPMENT CERTIFICATIONS:

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

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

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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 of welded attachments are conducted in accordance with ASME Section XI Code 1995 Edition, 1996 Addenda. Surface examinations are typically conducted on 100% of the weld length plus a defined amount of base material on each side of the weld. Surface areas are calculated in those instances where there may be a reduction in the examination area.

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

Reactor Pressure Vessel Nozzle to shell or head weld examination volume has been reduced to 1/2" beyond the widest part of the boundary of the deposited weld material in lieu of the requirements of ASME Section XI Figures IWB-2500-7 (a) and IWB-2500-7 (b) per Request for Relief No. PDI-2.

Paragraph IWA-2232 of the Code requires that the ultrasonic examination of piping systems be conducted in accordance with Appendix I of ASME Section XI. Appendix I requires that the ultrasonic examination of piping systems be conducted in accordance with Appendix VIII of ASME Section XI, and the nozzle-to-vessel welds be conducted in accordance with Article 4 of ASME Section V, 1989 Edition as supplemented by Appendix I of ASME Section XI. Appendix VIII and Article 4 define the applicable examination methods (e.g., examination angles, scan directions) to be used during examination. Paragraphs IWA-2221 and IWA-2222 of the ASME Section XI, requires that surface examinations be conducted in accordance with Article 6 or 7, as applicable, of ASME Section V, 1989 Edition. The 1995 Edition, 1996 Addenda will be used for the surface examination requirements of welded attachments.

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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 NRC Information Notice 98-42 applicability.

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EXAMINATION LIMITATIONS:

A tabulation of NDE examination limitations recorded during the Unit 3/Cycle 11 Inservice Inspection is contained in this Appendix.

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

<u>SYSTEM</u>	<u>COMPONENT ID</u>	<u>COVERAGE ASME XI</u>	<u>CALCULATED 10CFR50.55a</u>	<u>REPORT NO.</u>
RHR	DSRHR-3-05A	96%	96%	R-126
RPV	N4D-NV	94.37%	94.37%	R-182
RPV	N4E-NV	94.37%	94.37%	R-183
RPV	N6B-NV	93.12%	93.12%	R-186
RPV	N10-NV	97.31%	97.31%	R-187
RPV	V-5-A	97%	97%	R-212O
RPV	V-5-C	97%	97%	R-212Q
RPV	C-5-FLG	95%	95%	R-212R

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NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

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

<u>SYSTEM</u>	<u>COMPONENT ID</u>	<u>COVERAGE CALCULATED</u>		<u>REPORT NO.</u>	<u>RFR No.</u>
		<u>ASME XI</u>	<u>10CFR50.55a</u>		
RHR	DRHR-3-19	100%	50%	R-086	3-ISI-12
RHR	TRHR-3-191	100%	50%	R-189	3-ISI-12
RWCU	RWCU-3-007-G004	100%	50%	R-081	3-ISI-12

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

<u>SYSTEM</u>	<u>COMPONENT ID</u>	<u>COVERAGE CALCULATED</u>		<u>REPORT NO.</u>	<u>RFR No.</u>
		<u>ASME XI</u>	<u>10CFR50.55a</u>		
RPV	N10-IR	90%		R-188	3-ISI-07 Rev. 01
RPV	V-1-A	90%		R-212A	3-ISI-19
RPV	V-1-B	86%		R-212B	3-ISI-19
RPV	V-1-C	89%		R-212C	3-ISI-19

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX V
EXAMINATION PLAN

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

The following printout is an outage ISI report designed to meet the reporting requirements of IWA-6000 of the ASME Section XI Code. This report contains Unit 3/Cycle 11 Inservice Inspection data for Code Class 1 and Code Class 2 components selected for ASME Section XI credit. Attachment 2 contains a summary of augmented examinations performed during Unit 3/Cycle 11 outage. Essential unit and system files are contained herein as a reference to describe abbreviations and features in the printout. The aforementioned precedes the outage ISI report.

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

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Key to computer weld/feature tracking system

- A. CYCLE- Refueling Cycle Number and Unit Number
- B. SYSTEM- System/Component

- CCWS- Closed Cooling Water System (Reactor Building Closed Cooling Water)
- CRDS- Control Rod Drive System
- CSS- Core Spray System
- EECW- Emergency Equipment Cooling Water System
- FPCS- Fuel Pool Cooling System
- FWS- Feedwater System
- HPCIS- High Pressure Coolant Injection System
- MSS- Main Steam System
- RCICS- Reactor Core Isolation Cooling System
- RECIR- Recirculation System
- RHRS- Residual Heat Removal System
- RHRWS- Residual Heat Removal Service Water System
- RPV- Reactor Pressure Vessel
- RWCU- Reactor Water Cleanup System

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

- ET- Eddy Current Test
- MT- Magnetic Particle Test
- PT- Penetrant Test
- RT- Radiography Test
- UT- Ultrasonic Test
- VT- Visual Test (VT-1, VT-2, VT-3)
- VT-1E - Enhanced VT-1 with 1 mil wire resolution
- EVT-1- Enhanced VT-1 with 1/2 mil wire resolution

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

J. Calibration Standard- If required

K. Exam Date- Date of Inspection

L. Exam Report No.- Examination Report Number

M. Exam Results - P - Pass

R- Rejectable

E- Evaluated acceptable for continued operation by Engineering

O. COMMENTS

NOTE (1): EXREQ Identifiers:

89E-02 - ASME Section XI Code 1989 Edition/ Second Interval

96E-02 - ASME Section XI Code 1995 Edition, 1996 Addenda

P07-02 - Preservice Examination Cycle 11/ Second Interval

B01-02 - UT of Feedwater Nozzles and Visual of FW Spargers

B02-02 - Examinations performed to NUREG-0313/Generic Letter 88-01/BWRVIP-75 for IGSCC detection

B04-02 - Weld inspection for Pipe Whip Protection per TSR 3.4.3.2

B06-02 - Examinations performed to the recommendation of BWRVIP-27 and BWRVIP-49

OTI365 - Augmented examinations (UT, VT, EVT-1 of RPV Internals)

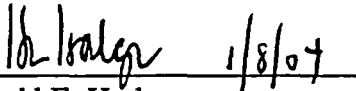
December 19, 2003

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

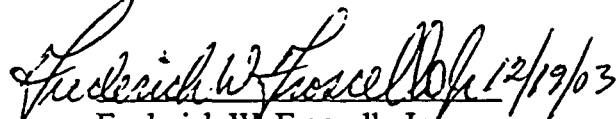
BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 11 REFUELING
OUTAGE INSERVICE INSPECTION (ISI) SCAN PLAN REV 000


Attached for your review is the BFN Unit 3 Cycle 11 Refueling Outage CISI Scan Plan, Revision 000, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, 1989 Edition, No Addenda.

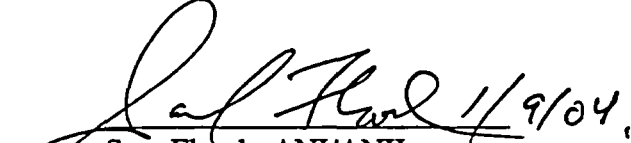
This document was prepared by Harold E. Hodges of BFN Components Engineering and coordinated with Matthew Welch and Fred Froscello of TVAN Inspection Services Organization (ISO).


Harold E. Hodges
ISI Engineer
BFN Components Engineering


Matthew C. Welch
BFN ISO, NDE Level III


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BFN ISO, ISI/NDE Supervisor


Kevin L. Groom
BFN Materials Engineering Supervisor,
Mechanical Nuclear


Sam Flood ANI/ANII
Concurrence

cc: R. K. Golub, SAB-1B, BFN
M. L. Turnbow, STC-1I, SQN

Revision 000

01/09/2004

Total Examinations: 492

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3

EXAMS SCHEDULED FOR CYCLE 11

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
CSS	3-47B458-151		3-ISI-0104-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		12.00		VAR SUP	
CSS	3-47B458-151-IA		3-ISI-0104-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6			0.750	WLD ATT	
CSS	3-47B458-169		3-ISI-0104-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		14.00		VAR SUP	
CSS	3-47B458-169-IA		3-ISI-0104-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6			0.750	WLD ATT	
CSS	3-47B458-558		3-ISI-0339-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		12.00		SNBR	
CSS	3-47B458-558-IA		3-ISI-0339-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9		12.00	0.750	WLD ATT	
CSS	3-47B458-786		3-ISI-0339-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		12.00		RGD HGR	
CSS	CSH-3-1		3-ISI-0104-C-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PUMP	
CSS	DCS-3-04	3-075-002	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DCS-3-04	3-075-002	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DSCS-3-01	3-075-002	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-01	3-075-002	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-07	3-075-001	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-07	3-075-001	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-09	3-075-001	3-ISI-0331-C-01	11	R1.11	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DSCS-3-09	3-075-001	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	HCV-75-27-BC		3-ISI-0331-C-01	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
CSS	TSCS-3-407		3-ISI-0331-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.688	EL	P
EECWS	3-47B451S0072-1A		3-ISI-0390-C-01	11	D1.20	D-A	96E-02	VT-1	N-VT-1		6.00	0.750	WLD ATT	
EECWS	3-47B451S0132-1A		3-ISI-0390-C-03	11	D1.20	D-A	96E-02	VT-1	N-VT-1		8.00	0.750	WLD ATT	
FWS	3RFWA-13T	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG	24.00	1.531	GRID	
FWS	3RFWA-14R	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWA-18P	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWA-20E	3-003-037	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWA-22E	3-003-037	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWA-39E	3-003-039	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWA-44E	3-003-039	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-10E	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-25	STP WDG			GRID	
FWS	3RFWB-21P	3-003-041	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-25P	3-003-041	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-2T	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-36E	3-003-042	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-25	STP WDG			GRID	
FWS	3RFWB-6E	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	GFW-3-02	3-003-008	3-ISI-0327-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	24.00	0.994	RED TEE	P
FWS	GFW-3-19	3-003-009	3-ISI-0327-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	24.00	0.994	RED TEE	P

Data 29 of 175

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
FWS	GFW-3-29		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	RED TEE	EL
FWS	GFW-3-32		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	RED TEE	EL
FWS	KFW-3-13		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	P	EL
FWS	KFW-3-31		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	P	EL
HPCIS	3-47B455-621-1A		3-ISI-0335-C-01	11	B10.20	B-K	96E-02	MT	N-MT-6		10.00	0.500	WLD ATT	
HPCIS	3-47B455-626		3-CHM-2413-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		10.00		VAR SUP	
HPCIS	3-47B455-626-1A		3-CHM-2413-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6		10.00	0.750	WLD ATT	
HPCIS	3-47B455-631		3-CHM-2413-C-03	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-631-1A		3-CHM-2413-C-03	11	C3.20	C-C	96E-02	MT	N-MT-6		10.00	0.750	WLD ATT	
HPCIS	3-47B455-635		3-CHM-2413-C-02	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-638		3-CHM-2413-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		10.00		VAR SUP	
HPCIS	3-47B455-646		3-ISI-0335-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-654		3-CHM-2413-C-02	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		14.00		RGD STRT	
HPCIS	3-47B455-660		3-CHM-2413-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		14.00		RGD HGR	
HPCIS	3-47B455-666		3-CHM-2413-C-01	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		14.00		VAR SUP	
HPCIS	HPCI-3-009-011		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	MT	N-MT-6		10.00	0.593	FH	P
HPCIS	HPCI-3-009-011		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	UT	N-UT-76	ALT/CS	10.00	0.593	FH	P
HPCIS	HPCI-3-009-012		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	MT	N-MT-6		10.00	0.593	P	VLV
HPCIS	HPCI-3-009-012		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	UT	N-UT-76	ALT/CS	10.00	0.593	P	VLV
HPCIS	HPCI-3-009-013		3-CHM-2407-C-03	11	C5.51	C-F-2	P07-02	MT	N-MT-6		10.00	0.593	VLV	P
HPCIS	HPCI-3-009-013		3-CHM-2407-C-03	11	C5.51	C-F-2	P07-02	UT	N-UT-76	ALT/CS	10.00	0.593	VLV	P
HPCIS	HPCI-3-R-94		3-CHM-2413-C-03	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		16.00		RGD HGR	
HPCIS	HPCIH-3-2		3-CHM-2413-C-02	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
HPCIS	HPCIH-3-3		3-CHM-2413-C-02	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
HPCIS	THPCI-3-071		3-ISI-0333-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	10.00	0.593	P	VLV
HPCIS	THPCI-3-072		3-ISI-0333-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	10.00	0.593	VLV	P
HPCIS	THPCI-3-073A		3-ISI-0333-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.593	EL	P
HPCIS	THPCI-3-107	3-073-002	3-CHM-2407-C-02	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.594	EL	P
HPCIS	THPCI-3-109	3-073-002	3-CHM-2407-C-02	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.594	EL	P
MSS	3-47B400-095		3-ISI-0338-C-02	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		26.00		HRH	
MSS	3-47B400-204		3-ISI-0338-C-02	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-74		3-ISI-0338-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-75		3-ISI-0338-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-76		3-ISI-0338-C-01	11	F1.10A	F-A	89E-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3MSZ-MS1A-6E	3-001-036	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-11T	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-19E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-4E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-6E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2B-11E	3-001-037	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
MSS	3MSZ-MS2B-6T	3-001-037	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-110	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-180	3-001-036	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-2E	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-6T	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG	26.00	1.012	GRID	
MSS	3MSZ-MS2C-7P	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-9P	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	KMS-3-024		3-ISI-0329-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	26.00	0.950	EL	P
MSS	KMS-3-104		3-ISI-0329-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	26.00	0.950	EL	P
MSS	MSBC-3-02		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-04		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-06		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-07		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-10		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-12		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-023-PBC		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-030-PBC		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RBCCW	3-47B464-427		3-ISI-0034-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		08.00		RGD STRT	
RBCCW	3-47B464-437-1A		3-ISI-0034-C-01	11	C3.20	C-C	96E-02	MT	N-MT-6		8.00	1.000	WLD ATT	
RCICS	3-47B456-654		3-CHM-2412-C-01	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		06.00		RGD HGR	
RCICS	3-47B456-657		3-CHM-2412-C-01	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		06.00		VAR SUP	
RCICS	RCIC-3-II-30		3-CHM-2412-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		06.00		RGD STRT	
RCICS	RCIC-3-R-23		3-CHM-2412-C-01	11	F1.40D	F-A	89E-02	VT-3	N-VT-1		06.00		RGD SUP	
RCICS	RCICH-3-1		3-CHM-2412-C-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
RECIR	3-47B465-455		3-ISI-0337-C-01	11	F1.10C	F-A	89E-02	VT-3	N-VT-1		28.00		VAR SUP	
RECIR	3-47B465-455-1A		3-ISI-0337-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9			1.250	WLD ATT	
RECIR	3-47B465-457		3-ISI-0337-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00		SNBR	
RECIR	3-47B465-482-1A		3-ISI-0337-C-02	11	B10.20	B-K	96E-02	PT	N-PT-9			1.500	WLD ATT	
RECIR	3-47B465-497-1A		3-ISI-0337-C-02	11	B10.30	B-K	96E-02	PT	N-PT-9			1.500	WLD ATT	
RECIR	3-47B465-505		3-ISI-0337-C-02	11	F1.40D	F-A	89E-02	VT-3	N-VT-1				SNBR	
RECIR	3-47B465-534		3-ISI-0337-C-02	11	F1.10C	F-A	89E-02	VT-3	N-VT-1		22.00		VAR SUP	
RECIR	3-47B465-545		3-ISI-0337-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00		SNBR	
RECIR	3-47B465-546		3-ISI-0337-C-02	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00		SNBR	
RECIR	FCV68-03-BC		3-ISI-0328-C-01	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RECIR	FCV68-77-BC		3-ISI-0328-C-02	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RECIR	PMP-A-NUT-3-01		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PNUTS	
RECIR	PMP-A-NUT-3-02		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PNUTS	
RECIR	PMP-A-NUT-3-03		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PNUTS	
RECIR	PMP-A-NUT-3-04		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PNUTS	
RECIR	PMP-A-NUT-3-05		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PNUTS	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHICK	COMPDESA	COMPDESB
RECIR	PMP-A-NUT-3-06		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-07		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-08		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-09		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-10		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-11		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-12		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-13		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-14		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-15		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-16		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-STUD-3-01		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-02		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-03		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-04		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-05		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-06		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-07		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-08		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-09		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-10		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-11		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-12		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-13		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-14		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-15		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-16		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-WASH-3-01		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-02		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-03		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-04		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-05		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-06		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-07		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-08		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-09		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-10		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-11		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-12		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH
RECIR	PMP-A-WASH-3-13		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PWASH

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RECIR	PMP-A-WASH-3-14		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-15		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-16		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	RBC-3-2		3-ISI-0328-C-02	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1		4.00		BLTG	
RECIR	RWR-3-001-G006	3-068-005	3-ISI-0328-C-01	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.602	P	SE
RECIR	RWR-3-002-G007	3-068-011	3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	VENDOR UT	BF-79	12.00	0.602	SE	NOZ
RECIR	RWR-3-002-G019		3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	22.00	0.980	CRS	P
RECIR	RWR-3-002-G023	3-068-009	3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.602	TEE	P
RHRS	3-47B452-1421		3-ISI-0340-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		20.00		RGD SUP	
RHRS	3-47B452-1474		3-ISI-0395-C-09	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		20.00		RGD HGR	
RHRS	3-47B452-1495		3-ISI-0395-C-06	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		24.00		VAR SUP	
RHRS	3-47B452-1557		3-ISI-0395-C-10	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		24.00		SNBR	
RHRS	3-47B452-3041		3-ISI-0340-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		20.00		SNBR	
RHRS	3-47B452-3041-IA		3-ISI-0340-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9			0.864	WLD ATT	
RHRS	3-47B452-3190		3-ISI-0395-C-14	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		24.00		RGD HGR	
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	11	R1.16G	R-A	89E-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	11	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-04	3-074-005	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-04	3-074-005	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13	3-074-013	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13	3-074-013	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	11	R1.16G	R-A	89E-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	11	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-19	3-074-007	3-ISI-0330-C-01	11	R1.11	R-A	89E-02	UT	N-UT-64	ALTSS	20.00	1.031	TEE	P
RHRS	DSRHR-3-05A	3-074-013	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DSRHR-3-05A	3-074-013	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DSRHR-3-07		3-ISI-0330-C-01	11	TS3432	B-J	B04-02	UT	N-UT-64	ALTSS	24.00	1.219	EL	EL
RHRS	RHR-3-H-024		3-ISI-0395-C-11	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		24.00		RGD HGR	
RHRS	RHR-3-H-157		3-ISI-0395-C-10	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		24.00		VAR SUP	
RHRS	RHR-3-R-080		3-ISI-0395-C-10	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		18.00		SNBR	
RHRS	RHR-3-R-62		3-ISI-0395-C-13	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		18.00		SNBR	
RHRS	RHRG-3-05A-B		3-ISI-0422-C-01	11	C2.31	C-B	89E-02	MT	N-MT-6				SHL	PL
RHRS	RHRG-3-05-B		3-ISI-0422-C-01	11	C2.33	C-B	89E-02	VT-2	N-VT-4				NOZ	SHL
RHRS	RHRG-3-05B-B		3-ISI-0422-C-01	11	C2.31	C-B	89E-02	MT	N-MT-6				NOZ	PL
RHRS	RHRG-3-06B-B		3-ISI-0422-C-01	11	C2.33	C-B	89E-02	VT-2	N-VT-4				NOZ	PL
RHRS	RHRG-3-09-B		3-ISI-0422-C-01	11	C1.10	C-A	89E-02	UT	N-UT-18	BF-26			SHL	FLG
RHRS	RHRG-3-10-B		3-ISI-0422-C-01	11	C1.20	C-A	89E-02	UT	N-UT-18	BF-40			SHL	IID
RHRS	RHRG-3-14-B-IA		ISI-0422-C-01	11	C3.10	C-C	96E-02	MT	N-MT-6				WLD ATT	
RHRS	RHRPII-3-A		3-ISI-0311-B-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
RHRS	RHRPII-3-A-IA		3-ISI-0311-B-01	11	C3.30	C-C	96E-02	MT	N-MT-6				PMP SUP	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHID	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
RHRS	TRHR-3-191	3-074-007	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	VENDOR UT	BF-87	20.00	1.031	VLV	EL
RHRS	TRHR-3-191	3-074-007	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	VENDOR UT	BF-87	20.00	1.031	VLV	EL
RPV	C-5-FLG		3-ISI-0220-C-01	11	B1.30	B-A	89E-02	UT	VENDOR UT		~264	6.600	SHL	FLG
RPV	CRDN-3-0219		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0223		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0227		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0231		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0235		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0239		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0243		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0615		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0619		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0623		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0627		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0631		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0635		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0639		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0643		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0647		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1011		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1015		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1019		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1023		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1027		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1031		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1035		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1039		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1043		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1047		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1051		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1407		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1411		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1415		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1419		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1423		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1427		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1431		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1435		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1439		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1443		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHID	NDEPROC	CALSTD	COMPDIA	NOMTICK	COMPDESA	COMPDESB
RPV	CRDN-3-1447		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1451		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1455		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1803		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1807		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1811		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1815		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1819		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1823		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1827		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	FLUXMON-3-01		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-05		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-09		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-13		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-17		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-21		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-25		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-30		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-35		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-41		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-45		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-49		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-52		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	FLUXMON-3-55		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	N10-IR		ISI-0445-C-01	11	B3.100	B-D	89E-02	UT	VENDOR UT	BF-18			NOZ IR	
RPV	N10-NV		3-ISI-0445-C-01	11	B3.90	B-D	89E-02	UT	VENDOR UT	BF-18			NOZ	SHL
RPV	N10-SE		ISI-0445-C-01	11	N/A	BWRVIP-27	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N11A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N11B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N12A		3-ISI-0220-C-01	11	B4.11	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	N12A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N12B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N16A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N16B		3-ISI-0220-C-01	11	B4.11	B-E	89E-02	VT-2	N-VT-4				NOZ	
RPV	N16B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250	NOZ	SE
RPV	N2G-IR		3-ISI-0328-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N2G-NV		3-ISI-0328-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2H-IR		3-ISI-0328-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N2H-NV		3-ISI-0328-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2J-IR		3-ISI-0328-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
RPV	N2J-NV		3-ISI-0328-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N2K-IR		3-ISI-0328-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N2K-NV		3-ISI-0328-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N3C-IR		3-ISI-0329-C-02	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N3C-NV		3-ISI-0329-C-02	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	26.00	6.600	SHL	NOZ
RPV	N3D-IR		3-ISI-0329-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N3D-NV		3-ISI-0329-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	26.00	6.600	SHL	NOZ
RPV	N4A-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4B-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4C-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4D-IR		3-ISI-0327-C-01	11	B3.100	B-D	89E-02	UT	N-UT-78	BF-18			NOZ IR	
RPV	N4D-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4D-NV		3-ISI-0327-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4E-IR		3-ISI-0327-C-01	11	B3.100	B-D	89E-02	UT	N-UT-78	BF-18			NOZ IR	
RPV	N4E-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N4E-NV		3-ISI-0327-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600	NOZ	SHL
RPV	N4F-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18			SNOZFWB	SSE
RPV	N6B-IR		3-ISI-0295-A-01	11	B3.100	B-D	89E-02	VT-1E	N-VT-1				NOZ IR	
RPV	N6B-NV		3-ISI-0295-A-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18/BF-19	06.00	4.000	NOZ	CL HD
RPV	N7-3-3-BC		3-ISI-0295-A-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BFLG	
RPV	N8B-IR		3-ISI-0411-C-01	11	B3.100	B-D	89E-02	EVT	VENDOR VT				NOZ IR	
RPV	N8B-NV		3-ISI-0411-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-17	04.00	6.600	SHL	NOZ
RPV	RCH-3-1C		3-ISI-0295-A-01	11	B1.21	B-A	89E-02	UT	N-UT-78	BF-18/BF-19	~145	4.00	CH CS	
RPV	RCH-3-5V		3-ISI-0295-A-01	11	B1.22	B-A	89E-02	UT	N-UT-78	BF-18/BF-18	~96L	4.00	VERT LS	
RPV	RCH-3-6V		3-ISI-0295-A-01	11	B1.22	B-A	89E-02	UT	N-UT-78	BF-18/BF-19	~96L	4.00	VERT LS	
RPV	RPV CORE SUPPORT		ISI-0220-C-02	11	B13.40	B-N-2	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV INT ATT BLR		ISI-0220-C-02	11	B13.20	B-N-2	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV INT ATT NBLR		ISI-0220-C-02	11	B13.30	B-N-2	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV INTERIOR		ISI-0220-C-02	11	B13.10	B-N-1	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV-BUSH-3-61		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-62		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-63		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-64		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-65		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-66		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-67		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-68		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESIB
RPV	RPV-BUSH-3-69		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-70		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-71		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-72		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-73		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-74		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-75		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-76		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-77		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-78		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-79		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-80		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-81		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-82		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-83		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-84		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-85		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-86		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-87		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-88		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-89		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-90		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-91		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-92		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-LIGS-3-61		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-62		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-63		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-64		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-65		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-66		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-67		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-68		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-69		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-70		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-71		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-72		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-73		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-74		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-75		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-76		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-LIGS-3-77		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-78		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-79		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-80		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-81		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-82		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-83		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-84		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-85		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-86		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-87		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-88		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-89		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-90		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-91		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-LIGS-3-92		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		~13	LIG	
RPV	RPV-NUTS-3-61		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-62		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-63		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-64		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-65		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-66		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-67		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-68		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-69		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-70		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-71		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-72		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-73		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-74		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-75		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-76		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-77		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-78		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-79		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-80		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-81		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-82		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-83		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-84		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-NUTS-3-85		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-86		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-87		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-88		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-89		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-90		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-91		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-NUTS-3-92		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLTG	
RPV	RPV-STAB-3-1		3-ISI-0416-C-01	11	F1.40C	F-A	89E-02	VT-3	N-VT-1				STAB	
RPV	RPV-STAB-3-1A-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1B-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1C-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1D-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1E-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1F-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1G-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STAB-3-1H-1A		3-ISI-0416-C-01	11	B10.10	B-K	96E-02	PT	N-PT-9				WLD ATT	
RPV	RPV-STUDS-3-61		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-62		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-63		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-64		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-65		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-66		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-67		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-68		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-69		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-70		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-71		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-72		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-73		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-74		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-75		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-76		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-77		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-78		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-79		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-80		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-81		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-82		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-83		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-STUDS-3-84		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-85		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-86		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-87		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-88		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-89		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-76	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-90		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-91		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-STUDS-3-92		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLTG	
RPV	RPV-WASH-3-61		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-62		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-63		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-64		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-65		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-66		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-67		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-68		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-69		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-70		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-71		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-72		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-73		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-74		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-75		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-76		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-77		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-78		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-79		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-80		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-81		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-82		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-83		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-84		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-85		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-86		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-87		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-88		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-89		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-90		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-91		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCID	NDEPROC	CALSTD	COMPDIA	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-WASH-3-92		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RWR-3-001-G007	3-068-006	3-ISI-0328-C-01	11	R1.16A	R-A	89E-02	UT	VENDOR UT	BF-79	12.00		SE	NOZ
RPV	V-1-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-1-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-1-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-2-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.00	VERT LS	
RPV	V-2-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-2-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-3-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-3-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-3-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-4-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~48L	6.600	VERT LS	
RPV	V-4-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~48L	6.600	VERT LS	
RPV	V-4-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~48L	6.600	VERT LS	
RPV	V-5-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-5-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RPV	V-5-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT		~133L	6.600	VERT LS	
RWCUS	3-47B406-291		3-ISI-0334-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		06.00		SNBR	
RWCUS	RWCU-3-001-G019		3-ISI-0332-C-01	11	TS3432	B-J	B04-02	UT	N-UT-64	ALTSS	06.00	0.432	P	EL
RWCUS	RWCU-3-007-G004	3-069-003	3-ISI-0332-C-02	11	R1.11	R-A	89E-02	UT	N-UT-82	BF-01	04.00	0.337	P	VLV

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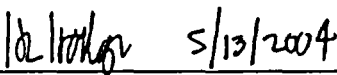
April 07, 2004


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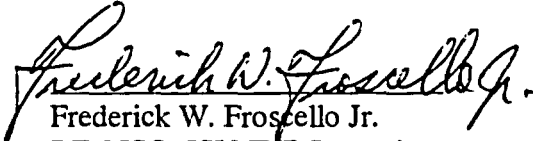
**BROWNS FERRY NUCLEAR PLANT (BFN) – UNIT 3 CYCLE 11 REFUELING
OUTAGE INSERVICE INSPECTION (ISI) SCAN PLAN REV 001**


Attached for your review is the BFN Unit 3 Cycle 11 Refueling Outage ISI Scan Plan, Revision 001, for the examinations to be performed for the current Unit 3 outage by BFN Site Engineering/Components Engineering. These examinations are being performed to satisfy the requirements of ASME Section XI Code, 1989 Edition, No Addenda.

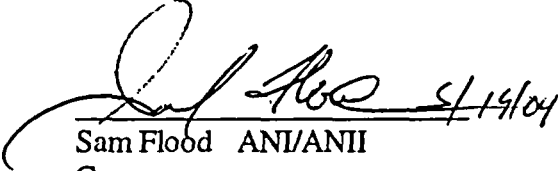
This document was prepared by Harold E. Hodges of BFN Components Engineering and coordinated with Matthew Welch, Darlene Tinley, and Fred Froscello of TVAN Inspection Services Organization (ISO).


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Concurrence

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Revision 001

04/05/2004

Total Examinations: 565

**TENNESSEE VALLEY AUTHORITY
 BROWNS FERRY NUCLEAR POWER PLANT - UNIT 3
 EXAMS SCHEDULED FOR CYCLE 11**

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMP'DIA	NOMTHICK	COMP'DESA	COMP'DESB
CRDS	3-SI-3.3.7		N/A	11	C7.10	C-H	89E-02	VT-2	N-VT-4					
CRDS	3-SI-3.3.7		N/A	11	C7.30	C-II	89E-02	VT-2	N-VT-4					
CRDS	3-SI-3.3.7		N/A	11	C7.70	C-H	89E-02	VT-2	N-VT-4					
CSS	3-47B458-151		3-ISI-0104-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		12.00			VAR SUP
CSS	3-47B458-151-1A		3-ISI-0104-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6			0.750		WLD ATT
CSS	3-47B458-169		3-ISI-0104-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		14.00			VAR SUP
CSS	3-47B458-169-1A		3-ISI-0104-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6			0.750		WLD ATT
CSS	3-47B458-558		3-ISI-0339-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		12.00			SNBR
CSS	3-47B458-558-1A		3-ISI-0339-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9		12.00	0.750		WLD ATT
CSS	3-47B458-786		3-ISI-0339-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		12.00			RGD HGR
CSS	CSH-3-1		3-ISI-0104-C-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1					PUMP
CSS	DCS-3-04	3-075-002	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DCS-3-04	3-075-002	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DSCS-3-01	3-075-002	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-01	3-075-002	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-07	3-075-001	3-ISI-0331-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-07	3-075-001	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	EL
CSS	DSCS-3-09	3-075-001	3-ISI-0331-C-01	11	R1.11	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	DSCS-3-09	3-075-001	3-ISI-0331-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	12.00	0.688	P	P
CSS	HCV-75-27-BC		3-ISI-0331-C-01	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1					BLTG
CSS	TSCS-3-407		3-ISI-0331-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.688	EL	P
EECWS	3-47B451S0072-1A		3-ISI-0390-C-01	11	D1.20	D-A	96E-02	VT-1	N-VT-1		6.00	0.750		WLD ATT
EECWS	3-47B451S0132-1A		3-ISI-0390-C-03	11	D1.20	D-A	96E-02	VT-1	N-VT-1		8.00	0.750		WLD ATT
FPCS	3-SI-3.3.3		N/A	11	D3.10	D-C	89E-02	VT-2	N-VT-4					
FWS	3-47B415-34		3-ISI-0336-C-01	11	F1.10B	F-A	F07-02	VT-3	N-VT-1		24.00			RGD HGR
FWS	3-47B415-49		3-ISI-0336-C-01	11	F1.10B	F-A	F07-02	VT-3	N-VT-1		24.00			RGD HGR
FWS	3RFA-13T	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG	24.00	1.531		GRID
FWS	3RFA-14R	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFA-18P	3-003-036	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFA-20E	3-003-037	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFA-22E	3-003-037	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFA-39E	3-003-039	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFA-44E	3-003-039	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFWB-10E	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID
FWS	3RFWB-19P	3-003-040	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG				GRID

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDA	NOMTHCK	COMPDESA	COMPDESB
FWS	3RFWB-25P	3-003-041	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-2T	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-36E	3-003-042	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
FWS	3RFWB-6E	3-003-007	3-ISI-0327-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WD			GRID	
FWS	GFW-3-02	3-003-008	3-ISI-0327-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	24.00	0.994	RED TEE	P
FWS	GFW-3-19	3-003-009	3-ISI-0327-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	24.00	0.994	RED TEE	P
FWS	GFW-3-29		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	RED TEE	EL
FWS	GFW-3-32		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	RED TEE	EL
FWS	KFW-3-13		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	P	EL
FWS	KFW-3-31		3-ISI-0327-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	12.00	0.566	P	EL
HPCIS	3-47B455-621-1A		3-ISI-0335-C-01	11	B10.20	B-K	96E-02	MT	N-MT-6		10.00	0.500	WLD ATT	
HPCIS	3-47B455-622		3-ISI-0335-C-01	11	F1.10D	F-A	P07-02	VT-3	N-VT-1		10.00		SNBR	
HPCIS	3-47B455-626		3-CHM-2413-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		10.00		VAR SUP	
HPCIS	3-47B455-626-1A		3-CHM-2413-C-02	11	C3.20	C-C	96E-02	MT	N-MT-6		10.00	0.750	WLD ATT	
HPCIS	3-47B455-631		3-CHM-2413-C-03	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-631-1A		3-CHM-2413-C-03	11	C3.20	C-C	96E-02	MT	N-MT-6		10.00	0.750	WLD ATT	
HPCIS	3-47B455-635		3-CHM-2413-C-02	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-638		3-CHM-2413-C-02	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		10.00		VAR SUP	
HPCIS	3-47B455-646		3-ISI-0335-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		10.00		RGD HGR	
HPCIS	3-47B455-654		3-CHM-2413-C-02	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		14.00		RGD STRT	
HPCIS	3-47B455-660		3-CHM-2413-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		14.00		RGD HGR	
HPCIS	3-47B455-666		3-CHM-2413-C-01	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		14.00		VAR SUP	
HPCIS	HPCI-3-004-002		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	PT	N-PT-9		10.00	0.593	FH	P
HPCIS	HPCI-3-004-002		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	UT	N-UT-76	ALTCS	10.00	0.593	FH	P
HPCIS	HPCI-3-004-003		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	MT	N-MT-6		10.00	0.593	P	VLV
HPCIS	HPCI-3-004-003		3-ISI-0333-C-01	11	B9.11	B-J	P07-02	UT	N-UT-76	ALTCS	10.00	0.593	P	VLV
HPCIS	HPCI-3-004-004		3-CHM-2407-C-03	11	C5.51	C-F-2	P07-02	MT	N-MT-6		10.00	0.593	VLV	P
HPCIS	HPCI-3-004-004		3-CHM-2407-C-03	11	C5.51	C-F-2	P07-02	UT	N-UT-76	ALTCS	10.00	0.593	VLV	P
HPCIS	HPCI-3-R-94		3-CHM-2413-C-03	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		16.00		RGD HGR	
HPCIS	HPCIH-3-2		3-CHM-2413-C-02	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
HPCIS	HPCIH-3-3		3-CHM-2413-C-02	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
HPCIS	THPCI-3-071		3-ISI-0333-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	10.00	0.593	P	VLV
HPCIS	THPCI-3-072		3-ISI-0333-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	10.00	0.593	VLV	P
HPCIS	THPCI-3-073A		3-ISI-0333-C-01	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.593	EL	P
HPCIS	THPCI-3-107	3-073-002	3-CHM-2407-C-02	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.594	EL	P
HPCIS	THPCI-3-109	3-073-002	3-CHM-2407-C-02	11	R1.11	R-A	89E-02	UT	N-UT-76	ALTCS	10.00	0.594	EL	P
MSS	3-47B400-095		3-ISI-0338-C-02	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		26.00		HRH	
MSS	3-47B400-095		3-ISI-0338-C-02	11	F1.10B	F-A	P07-02	VT-3	N-VT-1		26.00		HRH	
MSS	3-47B400-100		3-ISI-0338-C-02	11	F1.10B	F-A	P07-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-203		3-ISI-0338-C-02	11	F1.10C	F-A	A01-02	VT-3	N-VT-1		26.00		VAR SUP	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDISA	NOMTHICK	COMPDESA	COMPDESB
MSS	3-47B400-204		3-ISI-0338-C-02	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-204		3-ISI-0338-C-02	11	F1.10B	F-A	P07-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-205		3-ISI-0338-C-02	11	F1.10B	F-A	A01-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-68		3-ISI-0338-C-01	11	F1.10B	F-A	A01-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-68		3-ISI-0338-C-01	11	F1.10B	F-A	P07-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-74		3-ISI-0338-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-75		3-ISI-0338-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		26.00		SNBR	
MSS	3-47B400-76		3-ISI-0338-C-01	11	F1.10A	F-A	89E-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-82		3-ISI-0338-C-01	11	F1.10B	F-A	A01-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3-47B400-82		3-ISI-0338-C-01	11	F1.10B	F-A	P07-02	VT-3	N-VT-1		26.00		RGD HGR	
MSS	3MSZ-MS1A-18 FN	3-001-036	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WD			GRID	
MSS	3MSZ-MS1A-6E	3-001-036	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-11T	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-19E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-4E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS1D-6E	3-001-039	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2B-11E	3-001-037	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2B-6T	3-001-037	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-11 FN	3-001-038	3-ISI-0329-C-01	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WD			GRID	
MSS	3MSZ-MS2C-2E	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-6T	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG	26.00	1.012	GRID	
MSS	3MSZ-MS2C-7P	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3MSZ-MS2C-9P	3-001-038	3-ISI-0329-C-02	11	R1.18	R-A	89E-02	UT	N-UT-26	STP WDG			GRID	
MSS	3-SI-3.3.1.C		N/A	11	C7.30	C-H	89E-02	VT-2	N-VT-4					
MSS	3-SI-3.3.1.C		N/A	11	C7.70	C-H	89E-02	VT-2	N-VT-4					
MSS	3-SI-3.3.1.D		N/A	11	C7.10	C-H	89E-02	VT-2	N-VT-4					
MSS	3-SI-3.3.1.D		N/A	11	C7.30	C-H	89E-02	VT-2	N-VT-4					
MSS	3-SI-3.3.1.D		N/A	11	C7.70	C-H	89E-02	VT-2	N-VT-4					
MSS	FCV-1-038		3-ISI-0329-C-02	11	B12.50	B-M-2	P07-02	VT-3	N-VT-1		26.00		INT	
MSS	KMS-3-024		3-ISI-0329-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	26.00	0.950	EL	P
MSS	KMS-3-104		3-ISI-0329-C-01	11	TS3432	B-J	B04-02	UT	N-UT-76	ALTCS	26.00	0.950	EL	P
MSS	MSBC-3-02		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-04		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-06		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-07		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-10		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	MSBC-3-12		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-005-PBC		3-ISI-0313-B-01	11	B7.50	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-005-VBC		3-ISI-0313-B-01	11	B7.70	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
MSS	PCV1-3-023-PBC		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1				BLTG	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIS	NOMTHICK	COMPDESA	COMPDESB
MSS	PCV1-3-030-PBC		3-ISI-0313-B-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1					BLTG
RBCCW	3-47B464-427		3-ISI-0034-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		08.00			RGD STRT
RBCCW	3-47B464-437-1A		3-ISI-0034-C-01	11	C3.20	C-C	96E-02	MT	N-MT-6		8.00	1.000		WLD ATT
RCICS	3-47B456-654		3-CHM-2412-C-01	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		06.00			RGD HGR
RCICS	3-47B456-657		3-CHM-2412-C-01	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		06.00			VAR SUP
RCICS	RCIC-3-H-30		3-CHM-2412-C-01	11	F1.20A	F-A	89E-02	VT-3	N-VT-1		06.00			RGD STRT
RCICS	RCIC-3-R-23		3-CHM-2412-C-01	11	F1.40D	F-A	89E-02	VT-3	N-VT-1		06.00			RGD SUP
RCICS	RCIC-3-I		3-CHM-2412-C-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1					PMP SUP
RECIR	3-47B465-455		3-ISI-0337-C-01	11	F1.10C	F-A	89E-02	VT-3	N-VT-1		28.00			VAR SUP
RECIR	3-47B465-455-1A		3-ISI-0337-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9			1.250		WLD ATT
RECIR	3-47B465-457		3-ISI-0337-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00			SNBR
RECIR	3-47B465-482-1A		3-ISI-0337-C-02	11	B10.20	B-K	96E-02	PT	N-PT-9			1.500		WLD ATT
RECIR	3-47B465-497-1A		3-ISI-0337-C-02	11	B10.30	B-K	96E-02	PT	N-PT-9			1.500		WLD ATT
RECIR	3-47B465-505		3-ISI-0337-C-02	11	F1.40D	F-A	89E-02	VT-3	N-VT-1					SNBR
RECIR	3-47B465-534		3-ISI-0337-C-02	11	F1.10C	F-A	89E-02	VT-3	N-VT-1		22.00			VAR SUP
RECIR	3-47B465-545		3-ISI-0337-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00			SNBR
RECIR	3-47B465-546		3-ISI-0337-C-02	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		28.00			SNBR
RECIR	FCV68-03-BC		3-ISI-0328-C-01	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1					BLTG
RECIR	FCV68-77-BC		3-ISI-0328-C-02	11	B7.70	B-G-2	89E-02	VT-1	N-VT-1					BLTG
RECIR	PMP-A-NUT-3-01		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-02		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-03		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-04		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-05		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-06		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-07		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-08		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-09		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-10		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-11		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-12		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-13		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-14		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-15		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-NUT-3-16		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00			PNUTS
RECIR	PMP-A-STUD-3-01		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-02		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-03		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-04		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG
RECIR	PMP-A-STUD-3-05		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00			BLTG

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMP DIA	NOMTHCK	COMP DESA	COMP DESB
RECIR	PMP-A-STUD-3-06		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-07		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-08		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-09		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-10		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-11		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-12		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-13		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-14		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-15		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-STUD-3-16		3-ISI-0413-C-01	11	B6.180	B-G-1	89E-02	UT	N-UT-67	BF-119	03.00		BLTG	
RECIR	PMP-A-WASH-3-01		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-02		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-03		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-04		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-05		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-06		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-07		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-08		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-09		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-10		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-11		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-12		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-13		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-14		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-15		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	PMP-A-WASH-3-16		3-ISI-0413-C-01	11	B6.200	B-G-1	89E-02	VT-1	N-VT-1		03.00		PWASH	
RECIR	RBC-3-2		3-ISI-0328-C-02	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1		4.00		BLTG	
RECIR	RWR-3-001-G006	3-068-005	3-ISI-0328-C-01	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.602	P	SE
RECIR	RWR-3-002-G007	3-068-011	3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	VENDOR UT		12.00	0.602	SE	NOZ
RECIR	RWR-3-002-G019		3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	22.00	0.980	CRS	P
RECIR	RWR-3-002-G023	3-068-009	3-ISI-0328-C-02	11	R1.16A	R-A	89E-02	UT	N-UT-64	ALTSS	12.00	0.602	TIE	P
RECIR	RWR-3-007-009		3-ISI-0328-C-02	11	B9.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RECIR	RWR-3-007-010		3-ISI-0328-C-02	11	B9.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RECIR	RWR-3-007-011		3-ISI-0328-C-02	11	B6.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RECIR	RWR-3-007-016		3-ISI-0328-C-01	11	B6.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RECIR	RWR-3-007-017		3-ISI-0328-C-01	11	B6.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RECIR	RWR-3-007-018		3-ISI-0328-C-01	11	B6.40	B-J	P07-02	PT	N-PT-1		2.00	0.218	P	VLV
RHRS	3-47H452-1421		3-ISI-0340-C-01	11	F1.10B	F-A	89E-02	VT-3	N-VT-1		20.00		RGD SUP	
RHRS	3-47H452-1474		3-ISI-0395-C-09	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		20.00		RGD HGR	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPPIA	NOMTHCK	COMPDESA	COMPDESB
RHRS	3-47B452-1495		3-ISI-0395-C-06	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		24.00		VAR SUP	
RHRS	3-47B452-1557		3-ISI-0395-C-10	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		24.00		SNBR	
RHRS	3-47B452-3042		3-ISI-0340-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		20.00		SNBR	
RHRS	3-47B452-3042-1A		3-ISI-0340-C-01	11	B10.20	B-K	96E-02	PT	N-PT-9			0.906	WLD ATT	
RHRS	3-47B452-3190		3-ISI-0395-C-14	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		24.00		RGD HGR	
RHRS	3-SI-3.3.8.B			11	C7.30	C-H	89E-02	VT-2	N-VT-4					
RHRS	3-SI-3.3.8.B			11	C7.70	C-H	89E-02	VT-2	N-VT-4					
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	11	R1.16G	R-A	89E-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-03B	3-074-005	3-ISI-0330-C-01	11	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-04	3-074-005	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-04	3-074-005	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13	3-074-013	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13	3-074-013	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	11	R1.16G	R-A	89E-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-13B	3-074-013	3-ISI-0330-C-01	11	NU0313	G	B02-02	VT-2	N-VT-4		24.00	1.219	P	P
RHRS	DRHR-3-19	3-074-007	3-ISI-0330-C-01	11	R1.11	R-A	89E-02	UT	N-UT-64	ALTSS	20.00	1.031	TEE	P
RHRS	DSRHR-3-05A	3-074-013	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DSRHR-3-05A	3-074-013	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-64	ALTSS	24.00	1.219	P	EL
RHRS	DSRHR-3-07		3-ISI-0330-C-01	11	TS3432	B-J	B04-02	UT	N-UT-64	ALTSS	24.00	1.219	EL	EL
RHRS	RHR-3-H-024		3-ISI-0395-C-11	11	F1.20B	F-A	89E-02	VT-3	N-VT-1		24.00		RGD HGR	
RHRS	RHR-3-H-157		3-ISI-0395-C-10	11	F1.20C	F-A	89E-02	VT-3	N-VT-1		24.00		VAR SUP	
RHRS	RHR-3-R-080		3-ISI-0395-C-10	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		18.00		SNBR	
RHRS	RHR-3-R-62		3-ISI-0395-C-13	11	F1.20D	F-A	89E-02	VT-3	N-VT-1		18.00		SNBR	
RHRS	RHRG-3-05A-B		3-ISI-0422-C-01	11	C2.31	C-B	89E-02	MT	N-MT-6				SHL	PL
RHRS	RHRG-3-05B-B		3-ISI-0422-C-01	11	C2.31	C-B	89E-02	MT	N-MT-6				NOZ	PL
RHRS	RHRG-3-09-B		3-ISI-0422-C-01	11	C1.10	C-A	89E-02	UT	N-UT-18	BF-40			SHL	FLG
RHRS	RHRG-3-10-B		3-ISI-0422-C-01	11	C1.20	C-A	89E-02	UT	N-UT-18	BF-40			SHL	HD
RHRS	RHRG-3-14-B-1A		ISI-0422-C-01	11	C3.10	C-C	96E-02	MT	N-MT-6				WLD ATT	
RHRS	RHRPH-3-A		3-ISI-0311-B-01	11	F1.40B	F-A	89E-02	VT-3	N-VT-1				PMP SUP	
RHRS	RHRPH-3-A-1A		3-ISI-0311-B-01	11	C3.30	C-C	96E-02	MT	N-MT-6				PMP SUP	
RHRS	TRHR-3-191	3-074-007	3-ISI-0330-C-01	11	R1.16C	R-A	89E-02	UT	N-UT-82	BF-87	20.00	1.031	VLV	EL
RHRS	TRHR-3-191	3-074-007	3-ISI-0330-C-01	11	NU0313	C	B02-02	UT	N-UT-82	BF-87	20.00	1.031	VLV	EL
RPV	3-SI-3.3.1.A		N/A	11	B15.10	B-P	89E-02	VT-2	N-VT-4					
RPV	3-SI-3.3.1.A		N/A	11	B15.50	B-P	89E-02	VT-2	N-VT-4					
RPV	3-SI-3.3.1.A		N/A	11	B15.60	B-P	89E-02	VT-2	N-VT-4					
RPV	3-SI-3.3.1.A		N/A	11	B15.70	B-P	89E-02	VT-2	N-VT-4					
RPV	3-SI-3.3.1.A		N/A	11	C7.30	C-H	89E-02	VT-2	N-VT-4					
RPV	3-SI-3.3.1.A		N/A	11	C7.70	C-H	89E-02	VT-2	N-VT-4					
RPV	ACCESS HOLE COVER		N/A	11	N/A	N/A	0T1365	VT-1E	VENDOR VT					
RPV	C-5-FLG		3-ISI-0220-C-01	11	B1.30	B-A	89E-02	UT	VENDOR UT	03	-264	6.600	SHL	FLG

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDISA	NOMTHICK	COMPDESA	COMPDESIB
RPV	CORE-PLATE BOLTS		N/A	11	N/A	N/A	0T1365	VT-3	VENDOR VT					
RPV	CRDN-3-0219		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0223		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0227		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0231		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0235		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0239		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0243		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0615		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0619		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0623		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0627		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0631		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0635		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0639		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0643		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-0647		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1011		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1015		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1019		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1023		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1027		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1031		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1035		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1039		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1043		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1047		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1051		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1407		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1411		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1415		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1419		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1423		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1427		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1431		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1435		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1439		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1443		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1447		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1451		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDISA	NOMTHICK	COMPDESA	COMPDESB
RPV	CRDN-3-1455		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1803		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1807		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1811		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1815		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1819		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1823		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1827		3-ISI-0293-C-01	11	B4.12	B-E	89E-02	VT-2	N-VT-4		07.50		PARPEN	
RPV	CRDN-3-1831-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-2631-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-2635-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3023-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3027-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3031-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3035-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3039-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3047-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3047-BC		ISI-0293-C-01	11	B7.80	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3059-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3423-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3427-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3431-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3435-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3439-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3447-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3447-BC		ISI-0293-C-01	11	B7.80	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3823-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3827-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3835-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3839-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3843-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-3851-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-4223-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-4223-BC		ISI-0293-C-01	11	B7.80	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-4235-BC		ISI-0293-C-01	11	B7.80	B-G-2	89E-02	VT-1	N-VT-1				BLTG	
RPV	CRDN-3-4235-BC		ISI-0293-C-01	11	B7.80	B-G-2	P07-02	VT-1	N-VT-1				BLTG	
RPV	CS PIPING			11	N/A	N/A	0T1365	VT-1E	VENDOR VT					
RPV	CS SPARGERS			11	N/A	N/A	0T1365	VT-1	VENDOR VT					
RPV	CS SPARGERS			11	N/A	N/A	0T1365	VT-1E	VENDOR VT					
RPV	FLUXMON-3-01		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4				NOZ	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMP DIA	NOMTHICK	COMP DESA	COMP DESB
RPV	FLUXMON-3-05		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-09		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-13		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-17		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-21		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-25		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-30		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-35		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-41		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-45		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-49		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-52		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	FLUXMON-3-55		ISI-0293-C-02	11	B4.13	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	GUIDE TUBES		N/A	11	N/A	N/A	0T1365	VT-3	VENDOR VT					
RPV	N10-IR		ISI-0445-C-01	11	B3.100	B-D	89E-02	UT	VENDOR UT	BF-18				NOZ IR
RPV	N10-NV		3-ISI-0445-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18				NOZ SHL
RPV	N10-SE		ISI-0445-C-01	11	N/A	BWRVIP-27	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N11A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N11B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N12A		3-ISI-0220-C-01	11	B4.11	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	N12A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N12B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N16A-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N16B		3-ISI-0220-C-01	11	B4.11	B-E	89E-02	VT-2	N-VT-4					NOZ
RPV	N16B-SE		3-ISI-0346-C-01	11	N/A	BWRVIP-49	B06-02	VT-2	N-VT-4		2.00	0.250		NOZ SE
RPV	N4A-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N4B-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N4C-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N4D-IR		3-ISI-0327-C-01	11	B3.100	B-D	89E-02	UT	VENDOR UT	BF-18				NOZ IR
RPV	N4D-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N4D-NV		3-ISI-0327-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600		NOZ SHL
RPV	N4E-IR		3-ISI-0327-C-01	11	B3.100	B-D	89E-02	UT	VENDOR UT	BF-18				NOZ IR
RPV	N4E-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N4E-NV		3-ISI-0327-C-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18	12.00	6.600		NOZ SHL
RPV	N4F-IR/NB		3-ISI-0327-C-01	11	NU0619	B-D	B01-02	UT	VENDOR UT	BF-18				SNOZFWB SSE
RPV	N6B-IR		3-ISI-0295-A-01	11	B3.100	B-D	89E-02	VT-1E	N-VT-1					NOZ IR
RPV	N6B-NV		3-ISI-0295-A-01	11	B3.90	B-D	89E-02	UT	N-UT-78	BF-18/BF-19	06.00	4.000		NOZ CL HD
RPV	N7-3-3-BC		3-ISI-0295-A-01	11	B7.50	B-G-2	89E-02	VT-1	N-VT-1					BFLG

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMPDESA	COMPDESB
RPV	RCH-3-1C		3-ISI-0295-A-01	11	B1.21	B-A	89E-02	UT	N-UT-78	BF-18/BF-19	-145	4.00	CH CS	
RPV	RCH-3-5V		3-ISI-0295-A-01	11	B1.22	B-A	89E-02	UT	N-UT-78	BF-18/BF-19	-96L	4.00	VERT LS	
RPV	RCH-3-6V		3-ISI-0295-A-01	11	B1.22	B-A	89E-02	UT	N-UT-78	BF-18/BF-19	-96L	4.00	VERT LS	
RPV	RECIRC JET PUMPS			11	N/A	N/A	0TI365	VT-1	VENDOR VT					
RPV	RECIRC JET PUMPS			11	N/A	N/A	0TI365	VT-1E	VENDOR VT					
RPV	RECIRC JET PUMPS			11	N/A	N/A	0TI365	VT-3	VENDOR VT					
RPV	RPV CORE SUPPORT		ISI-0220-C-02	11	B13.40	B-N-2	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV INT ATT BLR		ISI-0220-C-02	11	B13.20	B-N-2	89E-02	VT-1	VENDOR VT				INT	
RPV	RPV INT ATT NBLR		ISI-0220-C-02	11	B13.30	B-N-2	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV INTERIOR		ISI-0220-C-02	11	B13.10	B-N-1	89E-02	VT-3	VENDOR VT				INT	
RPV	RPV-BUSH-3-61		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-62		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-63		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-64		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-65		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-66		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-67		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-68		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-69		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-70		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-71		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-72		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-73		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-74		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-75		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-76		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-77		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-78		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-79		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-80		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-81		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-82		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-83		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-84		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-85		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-86		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-87		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	
RPV	RPV-BUSH-3-88		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1				BUSH	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMP'DIA	NOMTHICK	COMP'DESA	COMP'DESB
RPV	RPV-BUSH-3-89		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1					BUSH
RPV	RPV-BUSH-3-90		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1					BUSH
RPV	RPV-BUSH-3-91		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1					BUSH
RPV	RPV-BUSH-3-92		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1					BUSH
RPV	RPV-LIGS-3-61		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-62		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-63		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-64		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-65		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-66		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-67		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-68		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-69		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-70		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-71		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-72		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-73		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-74		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-75		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-76		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-77		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-78		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-79		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-80		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-81		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-82		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-83		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-84		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-85		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-86		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-87		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-88		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-89		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-90		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-91		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-LIGS-3-92		3-ISI-0267-C-01	11	B6.40	B-G-1	89E-02	UT-0	N-UT-37	BF-126		-13		LIG
RPV	RPV-NUTS-3-61		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50			CL HD BLT
RPV	RPV-NUTS-3-62		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50			CL HD BLT
RPV	RPV-NUTS-3-63		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50			CL HD BLT
RPV	RPV-NUTS-3-64		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50			CL HD BLT

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDISA	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-NUTS-3-65		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-66		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-67		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-68		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-69		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-70		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-71		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-72		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-73		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-74		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-75		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-76		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-77		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-78		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-79		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-80		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-81		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-82		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-83		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-84		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-85		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-86		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-87		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-88		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-89		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-90		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-91		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-NUTS-3-92		3-ISI-0267-C-01	11	B6.10	B-G-1	89E-02	VT-1	N-VT-1		08.50		CL HD BLT	
RPV	RPV-STAB-3-1		3-ISI-0416-C-01	11	F1.40C	F-A	89E-02	VT-3	N-VT-1				STAB	
RPV	RPV-STUDS-3-47		3-ISI-0267-C-01	11	B6.30	B-G-1	V01-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-48		3-ISI-0267-C-01	11	B6.30	B-G-1	V01-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-61		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-62		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-63		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-64		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-65		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-66		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-67		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-68		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-69		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	

Done 5/4 11/15

SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDISA	NOMTHICK	COMPDESA	COMPDESB
RPV	RPV-STUDS-3-70		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-71		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-72		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-73		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-74		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-75		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-76		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-77		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-78		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-79		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-80		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-81		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-82		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-83		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-84		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-85		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-86		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-87		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-88		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-89		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-76	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-90		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-91		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-STUDS-3-92		3-ISI-0267-C-01	11	B6.20	B-G-1	89E-02	UT	N-UT-67	BF-126	06.00	65.56	CL HD BLT	
RPV	RPV-WASH-3-61		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-62		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-63		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-64		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-65		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-66		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-67		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-68		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-69		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-70		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-71		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-72		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-73		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-74		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-75		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-76		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-77		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHICK	COMPDESA	COMPDESIB
RPV	RPV-WASH-3-78		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-79		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-80		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-81		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-82		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-83		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-84		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-85		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-86		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-87		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-88		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-89		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-90		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-91		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RPV-WASH-3-92		3-ISI-0267-C-01	11	B6.50	B-G-1	89E-02	VT-1	N-VT-1		06.00	08.62	WASH	
RPV	RWR-3-001-G007	3-068-006	3-ISI-0328-C-01	11	R1.16A	R-A	89E-02	UT	VENDOR UT		12.00		SE	NOZ
RPV	SHROUD WELD H-5		N/A	11	N/A	N/A	0TI365	UT	VENDOR UT **					
RPV	SHROUD WELD H-6		N/A	11	N/A	N/A	0TI365	UT	VENDOR UT **					
RPV	SHROUD WELD H-7		N/A	11	N/A	N/A	0TI365	UT	VENDOR UT **					
RPV	SHROUD WELD H-8		N/A	11	N/A	N/A	0TI365	VT-1E	VENDOR VT					
RPV	SHROUD WELD V-5		N/A	11	N/A	N/A	0TI365	UT	VENDOR UT **					
RPV	SHROUD WELD V-6		N/A	11	N/A	N/A	0TI365	UT	VENDOR UT **					
RPV	STEAM DRYER			11	N/A	N/A	0TI365	VT-1	VENDOR VT					
RPV	STEAM DRYER			11	N/A	N/A	0TI365	VT-3	VENDOR VT					
RPV	SURV SAMPL HILDR		N/A	11	N/A	N/A	0TI365	VT-1	VENDOR VT					
RPV	SURV SAMPL HILDR		N/A	11	N/A	N/A	0TI365	VT-3	VENDOR VT					
RPV	TOP GUIDE		N/A	11	N/A	N/A	0TI365	VT-1	VENDOR VT					
RPV	TOP GUIDE		N/A	11	N/A	N/A	0TI365	VT-1E	VENDOR VT					
RPV	TOP GUIDE		N/A	11	N/A	N/A	0TI365	VT-3	VENDOR VT					
RPV	V-1-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-1-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-1-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-2-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.00	VERT LS		
RPV	V-2-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-2-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-3-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	N-UT-78 BF-18	-133L	6.600	VERT LS		
RPV	V-3-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-3-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	N-UT-78 BF-18	-133L	6.600	VERT LS		
RPV	V-3-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02	-133L	6.600	VERT LS		
RPV	V-3-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	N-UT-78 BF-18	-133L	6.600	VERT LS		

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SYSTEM	WELDNO	SEGMENT	ISONO	CYCLE	ITEMNO	CATEGORY	EXREQ	EXSCHD	NDEPROC	CALSTD	COMPDIA	NOMTHCK	COMIDESB	COMIDESB
RPV	V-3-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-133L	6.600	VERT LS	
RPV	V-4-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-48L	6.600	VERT LS	
RPV	V-4-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-48L	6.600	VERT LS	
RPV	V-4-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-48L	6.600	VERT LS	
RPV	V-5-A		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-133L	6.600	VERT LS	
RPV	V-5-B		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-133L	6.600	VERT LS	
RPV	V-5-C		3-ISI-0220-C-01	11	B1.12	B-A	89E-02	UT	VENDOR UT 02		-133L	6.600	VERT LS	
RWCUS	3-47B406-291		3-ISI-0334-C-01	11	F1.10D	F-A	89E-02	VT-3	N-VT-1		06.00		SNBR	
RWCUS	RWCU-3-001-G019		3-ISI-0332-C-01	11	TS3432	B-J	B04-02	UT	N-UT-64	ALTSS	06.00	0.432	P	EL
RWCUS	RWCU-3-007-G004	3-069-003	3-ISI-0332-C-02	11	R1.11	R-A	89E-02	UT	N-UT-82	BF-01	04.00	0.337	P	VLV
SLCS	3-SI-3.3.4		N/A	11	C7.10	C-H	89E-02	VT-2	N-VT-4					
SLCS	3-SI-3.3.4		N/A	11	C7.30	C-H	89E-02	VT-2	N-VT-4					
SLCS	3-SI-3.3.4		N/A	11	C7.50	C-H	89E-02	VT-2	N-VT-4					
SLCS	3-SI-3.3.4		N/A	11	C7.70	C-H	89E-02	VT-2	N-VT-4					

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SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME X	REVISION	REASON FOR REVISION	APPROVED BY ISI/NDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY SIGN AND DATE
3/11	001	RPV	N4D-IR N4E-IR	X	CHANGED NDE PROCEDURE FROM N-UT-76 TO VENDOR UT.	CORRECT PROCEDURE FROM N-UT-76 TO VENDOR UT. N-UT-76 NOT APPLICABLE TO INNER RADIUS EXAMS.	Matt Welch 1/21/04	Matt Welch 1/22/04	Matt Welch 1/22/04	Matt Welch 1/22/04
3/11	001 002 1/20/04	FWS	3-RFWB-10E 3-RFWB-36E	X	CHANGED NDE PROCEDURE FROM N-UT-25 TO N-UT-26	INCORRECT PROCEDURE ENTERED IN DATABASE. TYPO CORRECTION ONLY	F.W. Procella 1/28/04	Matt Welch 1/26/04	Matt Welch 1/26/04	F.W. Procella 1/28/04
3/11	001 003 2/21/04	RHR	RHRG-3-09-B	X	CHANGED CAL BLOCK FROM BF26 TO BF40	BF26 CAL BLOCK TOO THIN FOR SHELL THICKNESS.	Matt Welch 2/21/04	Matt Welch 1/29/04	Matt Welch 1/29/04	F.W. Procella 2/23/04
3/11	001	RPV	N2G-IR & NV N2H-IR & NV N2J-IR & NV N2K-IR & NV N3C-IR & NV N3D-IR & NV N8B-IR & NV	X	REMOVE 14 EXAMS (7 UT & 7 EVT) OF LISTED COMPONENTS FROM RPV SYSTEM. REMOVE 8 EXAMS (4 UT & 4 EVT) FROM PT'S	EXAMS DEFERRED TO RFO CYCLE 12.	Matt Welch 2/23/04	Matt Welch 2/23/04	F.W. Procella 2/23/04	Matt Welch 2/23/04
↓	↓	↓	RPV-STAB 3-1 (PT) RPV-STAB 3-1A THROUGH 1H-1A PT	X	↓	↓	↓	↓	↓	↓

SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME X	REVISION	REASON FOR REVISION	APPROVED BY ISI/NDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY ISI/NDE SIGN AND DATE
3/11	001	RHR	TRHR-3-191	X	CHANGED NDE PROCEDURE FROM "VENDOR UT" TO TVA NDE PROCEDURE N-UT-82	ORIGINAL PROCEDURE USED AUTOMATED SYS. DUE TO OBSTRUCTIONS, EXAM WAS PERFORMED MANUALLY	Man Welch 3/6/04	Man Welch 3/6/04	F.W. Frazzelle 3/7/04	Man Welch 3/7/04
3/11	001	RPV	N10-NV	X	CHANGED NDE PROCEDURE FROM "VENDOR UT" TO TVA-NDE PROCEDURE N-UT-78	CORRECTED TYPO. INCORRECT PROCEDURE ENTERED IN DATABASE.	Man Welch 3/6/04	Man Welch 3/6/04	F.W. Frazzelle 3/7/04	Man Welch 3/7/04
3/11	001	RPV	N6B-NV	X	ADDED "VENDOR UT" TO NDE PROCEDURE SECTION.	EXAM REQUIRED A PDI QUALIFIED PROCEDURE FOR THE INNER 15% OF EXAM VOLUME.	Man Welch 3/7/04	Man Welch 3/7/04	F.W. Frazzelle 3/7/04	Man Welch 3/7/04
3/11	001	MS	3-478400-82 3-478400-68 3-478400-203 3-478400-205	X	Add components to U3C11 ISI scope as expanded samples ON MAIN STREAM SYSTEM	Disposition of NOI# U3C11-007	Man Welch 3/10/04	Man Welch 3/10/04	F.W. Frazzelle 3/10/04	Man Welch 3/10/04
/										

SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME XI	REVISION	REASON FOR REVISION	APPROVED BY ISI/NDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY NDE SIGN AND DATE
3/11	001	074	3-47B452-3041 3-47B452-3041-IA	X	Delete from Scope of unit 3 cycle 11 Refueling Outage	Selected 3-47B452-3042 3-47B452-3042-IA FOR ALARA reasons	FW Fussella 3/18/04	Walt Walt 3/11/04	FW Fussella 3/11/04	Walt Walt 3/11/04
3/11	001	074	3-47B452-3042 3-47B452-3042-IA	X	Add 3-47B452-3042 and 3-47B452-3042-IA to Unit 3 cycle 11 outage scope	Inspected in Lieu of 3-47B452- 3041 & 3-47B452- 3041-IA	FW Fussella 3/18/04	Walt Walt 3/11/04	FW Fussella 3/10/04	Walt Walt 3/11/04
3/11	001	FW	3RFWB-21P	X	CHANGED COMPONENT ID FROM 3RFWB-21P TO 3RFWB-19P	REVISED FAC CIL.	FW Fussella 3/15/04	Walt Walt 3/14/04	Walt Walt 3/14/04	FW Fussella 3/16/04
3/11	001	RPV	RCH-3-5V	X	CHANGED CAL BLOCK FROM BF-18/BF-18 TO BF-18/BF-19	TYPO.	FW Fussella 3/15/04	Walt Walt 3/14/04	Walt Walt 3/14/04	FW Fussella 3/16/04
3/11	001	FW	3-47B415-34 3-47B415-49	X	ADD COMPONENTS TO U3 CYCLE 11 SCOPE	Scope expansion PSI-44ans	FW Fussella 3/16/04	Walt Walt 3/14/04	FW Fussella 3/16/04	Walt Walt 3/16/04

SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME XI	REVISION	REASON FOR REVISION	APPROVED BY ISI/NDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY ISI/NDE SIGN AND DATE
3/11	001	HPCI	3-47B400-622	X	Add component to Unit 3 Cycle 11 scope PSI on bolting only	in 3/16/04 Scope Expansion PSI on bolting only Removed pipe clamp to access weld for UT exam.	F.W. Froschello 3/16/04	Walt Welch 3/16/04	F.W. Froschello 3/16/04	Walt Welch 3/16/04
3/11	001	MS	3-47B400-680 3-47B400-82 3-47B400-095 3-47B400-204 3-47B400-205 3-47B400-205	X	Add components to Unit 3 Cycle 11 scope. PSI exams	Rework of supports PSI exams	F.W. Froschello 3/16/04	Walt Welch 3/16/04	F.W. Froschello 3/16/04	Walt Welch 3/16/04
3/11	001	HPCI	HPCI-3-004-002	X	Change NDE exam from N-MT-6 TO N-PT-9	PSI exam performed was liquid Penetrant.	F.W. Froschello 3/18/04	Walt Welch 3/17/04	F.W. Froschello 3/18/04	Walt Welch 3/17/04
3/11	001	REUR	RWR-3-007-009 RWR-3-007-010 RWR-3-007-011 RWR-3-007-016 RWR-3-007-017 RWR-3-007-018	X	Add listed components to U3C11 scope.	PSI exams	F.W. Froschello 3/18/04	Walt Welch 3/18/04	F.W. Froschello 3/18/04	Walt Welch 3/18/04
3/11	001	RPV	CRDN-3, 0219, 0223, 0227, 0231, 0235, 0239, 0243, 0645, 0649, 0623, 0627, 0631, 0635, 0639, 0643, 0647, 1011, 1015, 1019, 1023, 1027, 1031, 1035, 1039, 1043, 1047, 1051, 1407, 1411, 1415.	X	in 3/18/04	just 3/18/04	Walt Welch 3/18/04	Walt Welch 3/18/04	F.W. Froschello 3/18/04	Walt Welch 3/18/04

SCAN PLAN REVISION LOG

JNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER CRDN-3-XXXX-BC XXXX LOCATIONS AS FOLLOWS:	ASME XI	REVISION	REASON FOR REVISION	APPROVED BY ISUNDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY ISUNDE SIGN AND DATE
3/11	001	RPV	1831, 2631, 2635, 3023, 3027, 3031, 3035, 3039, 3047, 3059, 3423, 3427, 3431, 3435, 3439, 3447	X	Add CRDN BOLTED CONNECT TO U3C11 SCOPE	BOLTED CONNECTIONS DISASSEMBLED & REASSEMBLED DURING U3C11 RFO.	J.W. Fusselle 3/18/04	Walt Welch 3/18/04	J.W. Fusselle 3/18/04	Walt Welch 3/18/04
↓	↓	↓	3823, 3827, 3835, 3839, 3843, 3851, 4223, 4235	X		N A				
3/11	001	RPV	N A	X						
3/11	001	RPV	CRDN-3-3047-BC CRDN-3-3447-BC CRDN-3-4223-BC CRDN-3-4235-BC	X	ADD CRDN CONNECTIONS TO U3C11 SCOPE AS PSE EXAMS.	BOLTING REPLACED AT THESE CONNECTIONS	J.W. Fusselle 3/18/04	Walt Welch 3/18/04	J.W. Fusselle 3/18/04	Walt Welch 3/18/04
3/11	073	HPCI	HPCI-3-004-002 HPCI-3-004-003 HPCI-3-004-004	X	Add PSI exams UT and MT of 003, & 004 welds	New Value 3-Fcv-73-3 INSTALLED	J.W. Fusselle 3/18/04	J.W. Fusselle 3/18/04	J.W. Fusselle 3/18/04	J.W. Fusselle 3/18/04
3/11	001	RHRG	RHRG-3-05-B RHRG-3-06B-B	X	REMOVE FROM U3C11 data base.	05-B - MOVED TO U3C12. 06B-B - TYP0 06-B moved to cycle 12	J.W. Fusselle 3/18/04	Walt Welch 3/18/04	J.W. Fusselle 3/18/04	Walt Welch 3/18/04

SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME X	REVISION	REASON FOR REVISION	APPROVED BY ISUNDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY ISUNDE SIGN AND DATE
3/11	001	MSS	3-MSZ-MSZC-180 3-MSZ-MSZC-110	X	CHANGE COMPONENT ID'S TO: 3-MSZ-MSZA-18 FN 3-MSZ-MSZC-11 FN	REVISION 1 OF FAC CIL.	<i>F. W. Trancella</i> 3/20/04	<i>Wesley Wilbur</i> 3/24/04	<i>F. W. Trancella</i> 3/20/04	<i>Wesley Wilbur</i> 3/24/04
3/11	001	MSS	3-47B400-100	X	ADD TO U3C11 SCOPE. PSI EXAM.	SUPPORT INSPECTION REQUIRING PSI EXAM.	<i>F. W. Trancella</i> 3/20/04 <i>H. J. ...</i> 3/20/04	<i>Wesley Wilbur</i> 3/24/04	<i>F. W. Trancella</i> 3/20/04	<i>Wesley Wilbur</i> 3/24/04

SCAN PLAN REVISION LOG

UNIT/ CYCLE	SCAN PLAN REV	SYSTEM	COMPONENT IDENTIFIER	ASME XI	REVISION	REASON FOR REVISION	APPROVED BY IS/INDE SIGN AND DATE	APPROVED BY NDE LEVEL III SIGN AND DATE	DATA BASE REVISED BY ISO SIGN AND DATE	DATA BASE REVISION VERIFIED BY N-Will IS/INDE SIGN AND DATE
3/11	001	MSS	3-MSZ-MSZC-180 3-MSZ-MSZC-110	X	CHANGE COMPONENT ID'S TO: 3-MSZ-MSZA-18 FN 3-MSZ-MSZC-11 FN	REVISION 1 OF FAC CIL.	<i>F. J. Trucello</i> 3/20/04	<i>Wesley Willert</i> 3/20/04	<i>F. J. Trucello</i> 3/20/04	<i>Wesley Willert</i> 3/24/04
3/11	001	MSS	3-478400-100	X	ADD TO U3C11 SCOPE. PSI EXAM.	SUPPORT MODIFICATION REQUIRING PSI EXAM.	<i>F. J. Trucello</i> 3/20/04	<i>Wesley Willert</i> 3/20/04	<i>F. J. Trucello</i> 3/20/04	<i>Wesley Willert</i> 3/20/04
3/11	001	RPV	RPV INT ATT BLR RPV INT ATT NDLR <i>in 3/23/04</i> RPV INTERIOR RPV CORE SUPPORT	X	CHANGE NDE METHOD FROM VT-3 TO VT-1	TYPO	<i>F. J. Trucello</i> 3/23/04 <i>H. J. [unclear]</i> 3/23/04	<i>Wesley Willert</i> 3/23/04	<i>F. J. Trucello</i> 3/23/04	<i>Wesley Willert</i> 3/23/04

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
CSS	3-47B458-151	3-ISI-0104-C-02 02	89E-02	F-A	F1.20C	VT-3		20040206	R-019	P	
CSS	3-47B458-151-IA	3-ISI-0104-C-02 02	96E-02	C-C	C3.20	MT		20040206	R-021	P	
CSS	3-47B458-169	3-ISI-0104-C-02 02	89E-02	F-A	F1.20C	VT-3		20040206	R-020	P	
CSS	3-47B458-169-IA	3-ISI-0104-C-02 02	96E-02	C-C	C3.20	MT		20040206	R-022	P	
CSS	3-47B458-558	3-ISI-0339-C-01 01	89E-02	F-A	F1.10D	VT-3		20040305	R-088	P	RFR# 3-ISI-2
CSS	3-47B458-558-IA	3-ISI-0339-C-01 01	96E-02	B-K	B10.20	PT		20040305	R-089	P	
CSS	3-47B458-786	3-ISI-0339-C-01 01	89E-02	F-A	F1.10B	VT-3		20040227	R-050	P	
CSS	CSH-3-1	3-ISI-0104-C-01 01	89E-02	F-A	F1.40B	VT-3		20040227	R-051	P	
CSS	DCS-3-04	3-ISI-0331-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040312	R-136	P	
CSS	DSCS-3-01	3-ISI-0331-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040312	R-135	P	
CSS	DSCS-3-07	3-ISI-0331-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040312	R-137	P	
CSS	DSCS-3-09	3-ISI-0331-C-01 01	89E-02	R-A	R1.11	UT	ALTSS	20040308	R-114	P	
CSS	HCV-75-27-BC	3-ISI-0331-C-01 01	89E-02	B-G-2	B7.70	VT-1		20040306	R-094	P	
EECWS	3-47B451S0072-IA	3-ISI-0390-C-01 01	96E-02	D-A	D1.20	VT-1		20040122	R-004	P	
EECWS	3-47B451S0132-IA	3-ISI-0390-C-03 03	96E-02	D-A	D1.20	VT-1		20040122	R-005	P	
FWS	3-47B415-34	3-ISI-0336-C-01 01	P07-02	F-A	F1.10B	VT-3		20040323	R-208	P	Stage #2 Upper W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT
FWS	3-47B415-49	3-ISI-0336-C-01 01	P07-02	F-A	F1.10B	VT-3		20040323	R-209	P	Stage # 2 Upper W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT
FWS	3RFA-13T	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-166	P	
FWS	3RFA-14R	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-165	P	
FWS	3RFA-18P	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-145	P	
FWS	3RFA-20E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-143	P	
FWS	3RFA-22E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040318	R-180	P	
FWS	3RFA-39E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-167	P	
FWS	3RFA-44E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-140	P	
FWS	3RFB-10E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040317	R-169	P	
FWS	3RFB-19P	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STPWDG	20040313	R-146	P	

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
FWS	3RFWB-25P	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040301	R-148	P	
FWS	3RFWB-2T	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040320	R-198	P	
FWS	3RFWB-36E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040318	R-181	P	
FWS	3RFWB-6E	3-ISI-0327-C-01	89E-02	R-A	R1.18	UT	STP WD	20040318	R-191	P	
FWS	GFW-3-02	3-ISI-0327-C-01 01	89E-02	R-A	R1.11	UT	ALTCS	20040303	R-071	P	
FWS	GFW-3-19	3-ISI-0327-C-01 01	89E-02	R-A	R1.11	UT	ALTCS	20040303	R-072	P	
HPCIS	3-47B455-621-1A	3-ISI-0335-C-01 01	96E-02	B-K	B10.20	MT		20040310	R-105	P	* TC's 04-03, 04-08, 04-10
HPCIS	3-47B455-622	3-ISI-0335-C-01 01	P07-02	F-A	F1.10D	VT-3		20040317	R-158	P	W.O. 03-009034-000
HPCIS	3-47B455-626	3-CHM-2413-C-02 02	89E-02	F-A	F1.20C	VT-3		20040217	R-037	P	
HPCIS	3-47B455-626-1A	3-CHM-2413-C-02 02	96E-02	C-C	C3.20	MT		20040217	R-036	P	
HPCIS	3-47B455-631	3-CHM-2413-C-03 03	89E-02	F-A	F1.20B	VT-3		20040218	R-043	P	
HPCIS	3-47B455-631-1A	3-CHM-2413-C-03 03	96E-02	C-C	C3.20	MT		20040218	R-044	P	
HPCIS	3-47B455-635	3-CHM-2413-C-02 02	89E-02	F-A	F1.20A	VT-3		20040217	R-033	P	
HPCIS	3-47B455-638	3-CHM-2413-C-02 02	89E-02	F-A	F1.20C	VT-3		20040218	R-040	P	
HPCIS	3-47B455-646	3-ISI-0335-C-01 03	89E-02	F-A	F1.10B	VT-3		20040218	R-042	P	
HPCIS	3-47B455-654	3-CHM-2413-C-02 02	89E-02	F-A	F1.20A	VT-3		20040217	R-032	P	NOI # U3C11-001
HPCIS	3-47B455-660	3-CHM-2413-C-01 01	89E-02	F-A	F1.20A	VT-3		20040218	R-041	P	
HPCIS	3-47B455-666	3-CHM-2413-C-01 01	89E-02	F-A	F1.20C	VT-3		20040218	R-039	P	NOI# U3C11-002
HPCIS	HPCI-3-004-002	3-ISI-0333-C-01	P07-02	B-J	B9.11	PT		20040314	R-159	P	*TC 04-09. W.O. 00-003356-000. PT of ID and OD of weld.
HPCIS	HPCI-3-004-002	3-ISI-0333-C-01	P07-02	B-J	B9.11	UT	ALT/CS	20040316	R-162	P	
HPCIS	HPCI-3-004-003	3-ISI-0333-C-01	P07-02	B-J	B9.11	MT		20040316	R-160	P	*TC 04-10. W.O. 00-003356-000.
HPCIS	HPCI-3-004-003	3-ISI-0333-C-01	P07-02	B-J	B9.11	UT	ALT/CS	20040316	R-163	P	
HPCIS	HPCI-3-004-004	3-CHM-2407-C-03	P07-02	C-F-2	C5.51	MT		20040316	R-161	P	*TC 04-10. W.O. 00-003356-000.
HPCIS	HPCI-3-004-004	3-CHM-2407-C-03	P07-02	C-F-2	C5.51	UT	ALT/CS	20040316	R-164	P	ADDITIONAL EXAMINER D. MICHAEL. Indications are a result of excessive convexity. Root geometry. Radiography film reviewed to confirm.
HPCIS	HPCI-3-R-94	3-CHM-2413-C-03 03	89E-02	F-A	F1.20B	VT-3		20040217	R-038	P	
HPCIS	HPCI-3-2	3-CHM-2413-C-02	89E-02	F-A	F1.40B	VT-3		20040217	R-034	P	

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
HPCIS	HPCIH-3-3	3-CHM-2413-C-02	89E-02	F-A	F1.40B	VT-3		20040217	R-035	P	
HPCIS	THPCI-3-073A	3-ISI-0333-C-01 01	89E-02	R-A	R1.11	UT	ALTCS	20040310	R-124	P	
HPCIS	THPCI-3-107	3-CHM-2407-C-02 02	89E-02	R-A	R1.11	UT	ALTCS	20040303	R-078	P	
HPCIS	THPCI-3-109	3-CHM-2407-C-02 02	89E-02	R-A	R1.11	UT	ALTCS	20040303	R-079	P	
MSS	3-47B400-095	3-ISI-0338-C-02 02	89E-02	F-A	F1.10B	VT-3		20040303	R-074	P	
MSS	3-47B400-095	3-ISI-0338-C-02 02	P07-02	F-A	F1.10B	VT-3		20040320	R-197	P	Stage # 1 Lower W.O. 04-713637-000.
MSS	3-47B400-095	3-ISI-0338-C-02 02	P07-02	F-A	F1.10B	VT-3		20040323	R-206	P	Stage # 2 Upper W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT
MSS	3-47B400-100	3-ISI-0338-C-02 02	P07-02	F-A	F1.10B	VT-3		20040320	R-199	P	ADDITIONAL EXAMINER JAMES ROGERS
MSS	3-47B400-203	3-ISI-0338-C-02 02	A01-02	F-A	F1.10C	VT-3		20040311	R-116	P	NOI# U3C11-015
MSS	3-47B400-204	3-ISI-0338-C-02 02	89E-02	F-A	F1.10B	VT-3		20040303	R-073	P	NOI# U3C11-007. Reference PER# 04-002266-000. Reference report # R-194 and R-207.
MSS	3-47B400-204	3-ISI-0338-C-02 02	P07-02	F-A	F1.10B	VT-3		20040320	R-194	P	Stage #1 Lower W.O. 04-713637-000.
MSS	3-47B400-204	3-ISI-0338-C-02 02	P07-02	F-A	F1.10B	VT-3		20040323	R-207	P	Stage # 2 Upper W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT
MSS	3-47B400-205	3-ISI-0338-C-02 02	A01-02	F-A	F1.10B	VT-3		20040312	R-121	P	
MSS	3-47B400-68	3-ISI-0338-C-01 01	A01-02	F-A	F1.10B	VT-3		20040311	R-110	P	ADDITIONAL EXAMINER R. HARDAWAY # 099
MSS	3-47B400-68	3-ISI-0338-C-01 01	P07-02	F-A	F1.10B	VT-3		20040323	R-204	P	Stage # 2 Upper. W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT
MSS	3-47B400-68	3-ISI-0338-C-01 01	P07-02	F-A	F1.10B	VT-3		20040320	R-196	P	Stage # 1 Lower W.O. 04-713637-000
MSS	3-47B400-74	3-ISI-0338-C-01 01	89E-02	F-A	F1.10D	VT-3		20040303	R-075	P	RFR# 3-ISI-2
MSS	3-47B400-75	3-ISI-0338-C-01 01	89E-02	F-A	F1.10D	VT-3		20040303	R-087	P	RFR# 3-ISI-2
MSS	3-47B400-76	3-ISI-0338-C-01 01	89E-02	F-A	F1.10A	VT-3		20040306	R-091	P	
MSS	3-47B400-82	3-ISI-0338-C-01 01	P07-02	F-A	F1.10B	VT-3		20040324	R-210	P	This examination clears NOI# U3C11-016.
MSS	3-47B400-82	3-ISI-0338-C-01 01	P07-02	F-A	F1.10B	VT-3		20040323	R-205	P	Stage # 2 Upper W.O. 04-713660-000. ADDITIONAL EXAMINER H. B. BARNETT.
MSS	3-47B400-82	3-ISI-0338-C-01 01	P07-02	F-A	F1.10B	VT-3		20040320	R-195	P	Stage # 1 Lower W.O. 04-713637-000.
MSS	3-47B400-82	3-ISI-0338-C-01 01	A01-02	F-A	F1.10B	VT-3		20040311	R-111	P	NOI# U3C11-016. BOLTING LOOSE AND ONE NUT MISSING. Reference report# R-195, R-205, and R-210.
MSS	3MSZ-MS1A-18 FN	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WD	20040319	R-192	P	

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
MSS	3MSZ-MS1A-6E	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040311	R-139	P	
MSS	3MSZ-MS1D-11T	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040318	R-179	P	ADDITIONAL EXAMINER EXAMINER T. BRANTLEY
MSS	3MSZ-MS1D-19E	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040319	R-190	P	
MSS	3MSZ-MS1D-4E	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040318	R-177	P	ADDITIONAL EXAMINER C. DANSON
MSS	3MSZ-MS1D-6E	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WDG	20040317	R-168	P	ADDITIONAL EXAMINER Charles Perron
MSS	3MSZ-MS2B-11E	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040312	R-144	P	
MSS	3MSZ-MS2B-6T	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040312	R-131	P	ADDITIONAL EXAMINER D. WOLFORD
MSS	3MSZ-MS2C-11 FN	3-ISI-0329-C-01	89E-02	R-A	R1.18	UT	STP WD	20040319	R-193	P	
MSS	3MSZ-MS2C-2E	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040313	R-147	P	
MSS	3MSZ-MS2C-6T	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040313	R-141	P	
MSS	3MSZ-MS2C-7P	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040312	R-132	P	
MSS	3MSZ-MS2C-9P	3-ISI-0329-C-02	89E-02	R-A	R1.18	UT	STP WDG	20040312	R-127	P	ADDITIONAL EXAMINER L. JOHNSON
MSS	FCV-1-038	3-ISI-0329-C-02 02	P07-02	B-M-2	B12.50	VT-3		20040313	R-138	P	W. O. 04-0713121-000. Inspected 3 new studs and 1 nut.
MSS	MSBC-3-02	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-067	P	
MSS	MSBC-3-04	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-066	P	
MSS	MSBC-3-06	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-065	P	
MSS	MSBC-3-07	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-064	P	
MSS	MSBC-3-10	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-063	P	
MSS	MSBC-3-12	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-062	P	
MSS	PCV1-3-005-PBC	3-ISI-0313-B-01	P07-02	B-G-2	B7.50	VT-1		20030619	R-002	P	W.O. 03-004240-000. 24 NUTS AND 12 STUDS ON PIPE FLANGE INLET.
MSS	PCV1-3-005-VBC	3-ISI-0313-B-01	P07-02	B-G-2	B7.70	VT-1		20030825	R-095	P	
MSS	PCV1-3-005-VBC	3-ISI-0313-B-01	P07-02	B-G-2	B7.70	VT-1		20030505	R-001	P	W.O. 032-006493-000. 12 NUTS AND 1 BOLT. VALVE BODY S/N 1070. Valve S/N 1070 was removed in cycle 11 and replaced with S/N 1061.
MSS	PCV1-3-023-PBC	3-ISI-0313-B-01 01	89E-02	B-G-2	B7.50	VT-1		20040303	R-061	P	
MSS	PCV1-3-030-PBC	3-ISI-0313-B-01	89E-02	B-G-2	B7.50	VT-1		20040303	R-060	P	
RBCCW	3-47B464-427	3-ISI-0034-C-01 01	89E-02	F-A	F1.20A	VT-3		20040123	R-008	P	

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RBCCW	3-47B464-437-IA	3-ISI-0034-C-01 01	96E-02	C-C	C3.20	MT		20040123	R-007	P	
RCICS	3-47B456-654	3-CHM-2412-C-01 01	89E-02	F-A	F1.20B	VT-3		20040209	R-025	P	
RCICS	3-47B456-657	3-CHM-2412-C-01 01	89E-02	F-A	F1.20C	VT-3		20040209	R-026	P	
RCICS	RCIC-3-H-30	3-CHM-2412-C-01 01	89E-02	F-A	F1.20A	VT-3		20040209	R-023	P	
RCICS	RCIC-3-R-23	3-CHM-2412-C-01 01	89E-02	F-A	F1.40D	VT-3		20040209	R-024	P	
RCICS	RCIC-3-1	3-CHM-2412-C-01 01	89E-02	F-A	F1.40B	VT-3		20040210	R-027	P	
RECIR	3-47B465-455	3-ISI-0337-C-01 01	89E-02	F-A	F1.10C	VT-3		20040304	R-069	P	Loss Jam Nut reference W.O. 04-713278-000.
RECIR	3-47B465-455-IA	3-ISI-0337-C-01 01	96E-02	B-K	B10.20	PT		20040304	R-080	P	
RECIR	3-47B465-457	3-ISI-0337-C-01 01	89E-02	F-A	F1.10D	VT-3		20040302	R-053	P	RFR# 3-ISI-2
RECIR	3-47B465-482-IA	3-ISI-0337-C-02 02	96E-02	B-K	B10.20	PT		20040304	R-070	P	
RECIR	3-47B465-497-IA	3-ISI-0337-C-02 02	96E-02	B-K	B10.30	PT		20040305	R-090	P	
RECIR	3-47B465-505	3-ISI-0337-C-02 02	89E-02	F-A	F1.40D	VT-3		20040303	R-055	P	RFR# 3-ISI-2
RECIR	3-47B465-534	3-ISI-0337-C-02 02	89E-02	F-A	F1.10C	VT-3		20040303	R-056	P	
RECIR	3-47B465-545	3-ISI-0337-C-01 01	89E-02	F-A	F1.10D	VT-3		20040302	R-052	P	RFR# 3-ISI-2
RECIR	3-47B465-546	3-ISI-0337-C-02 02	89E-02	F-A	F1.10D	VT-3		20040303	R-068	P	RFR# 3-ISI-2
RECIR	FCV68-03-BC	3-ISI-0328-C-01 01	89E-02	B-G-2	B7.70	VT-1		20040304	R-059	P	
RECIR	FCV68-77-BC	3-ISI-0328-C-02 02	89E-02	B-G-2	B7.70	VT-1		20040304	R-058	P	
RECIR	PMP-A-NUT-3-01	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-02	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-03	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-04	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-05	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-06	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-07	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-08	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-09	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-10	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	

Data
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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RECIR	PMP-A-NUT-3-11	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-12	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-13	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-14	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-15	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-NUT-3-16	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-103	P	
RECIR	PMP-A-STUD-3-01	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-02	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-03	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-04	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-05	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-06	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-07	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-08	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-09	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-10	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-11	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-12	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-13	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-14	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Examiner M. WELCH

Data OK 5/15

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RECIR	PMP-A-STUD-3-15	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-STUD-3-16	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.180	UT	BF-119	20040307	R-117	P	UT OF ZONE 1 AND 2 OF BOLT STUD. Additional Examiner M. WELCH
RECIR	PMP-A-WASH-3-01	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-02	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-03	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-04	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-05	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-06	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-07	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-08	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-09	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-10	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-11	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-12	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-13	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-14	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-15	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	PMP-A-WASH-3-16	3-ISI-0413-C-01 01	89E-02	B-G-1	B6.200	VT-1		20040309	R-102	P	
RECIR	RBC-3-2	3-ISI-0328-C-02 02	89E-02	B-G-2	B7.50	VT-1		20040304	R-057	P	
RECIR	RWR-3-001-G006	3-ISI-0328-C-01 01	89E-02	R-A	R1.16A	UT	ALTSS	20040305	R-085	P	
RECIR	RWR-3-002-G007	3-ISI-0328-C-02	89E-02	R-A	R1.16A	UT		20040311	R-150	P	*Procedure 54-ISI-856-00 SDCN# 30-5038977-00. Additional Examiner J. D. BUTTRAM
RECIR	RWR-3-002-G019	3-ISI-0328-C-02 02	89E-02	R-A	R1.16A	UT	ALTSS	20040303	R-083	P	
RECIR	RWR-3-002-G023	3-ISI-0328-C-02 02	89E-02	R-A	R1.16A	UT	ALTSS	20040303	R-082	P	
RECIR	RWR-3-007-009	3-ISI-0328-C-02	P07-02	B-J	B9.40	PT		20040315	R-170	P	TC # 04-09. W.O. 03-001433-001
RECIR	RWR-3-007-010	3-ISI-0328-C-02	P07-02	B-J	B9.40	PT		20040227	R-171	P	W.O. 03-001433-001
RECIR	RWR-3-007-011	3-ISI-0328-C-02	P07-02	B-J	B6.40	PT		20040227	R-172	P	W.O.003-001433-001

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Page 7 of 20

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RECIR	RWR-3-007-016	3-ISI-0328-C-01	P07-02	B-J	B6.40	PT		20040313	R-174	P	TC 04-09. W.O. 03-001433-000
RECIR	RWR-3-007-017	3-ISI-0328-C-01	P07-02	B-J	B6.40	PT		20040227	R-175	P	W.O. 00-001433-000.
RECIR	RWR-3-007-018	3-ISI-0328-C-01	P07-02	B-J	B6.40	PT		20040227	R-176	P	W.O. 00-001433-000
RHRS	3-47B452-1421	3-ISI-0340-C-01 01	89E-02	F-A	F1.10B	VT-3		20040306	R-092	P	
RHRS	3-47B452-1474	3-ISI-0395-C-09 09	89E-02	F-A	F1.20B	VT-3		20040127	R-010	P	
RHRS	3-47B452-1495	3-ISI-0395-C-06 06	89E-02	F-A	F1.20C	VT-3		20040212	R-029	P	
RHRS	3-47B452-1557	3-ISI-0395-C-10 10	89E-02	F-A	F1.20D	VT-3		20040126	R-009	P	REFERENCE RFR# 3-ISI-2
RHRS	3-47B452-3042	3-ISI-0340-C-01 01	89E-02	F-A	F1.10D	VT-3		20040309	R-107	P	RFR# 3-ISI-2
RHRS	3-47B452-3042-IA	3-ISI-0340-C-01 01	96E-02	B-K	B10.20	PT		20040309	R-108	P	
RHRS	3-47B452-3190	3-ISI-0395-C-14 14	89E-02	F-A	F1.20B	VT-3		20040212	R-031	P	
RHRS	DRHR-3-03B	3-ISI-0330-C-01 01	89E-02	R-A	R1.16G	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RHRS	DRHR-3-04	3-ISI-0330-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040310	R-118	P	
RHRS	DRHR-3-13	3-ISI-0330-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040311	R-125	P	
RHRS	DRHR-3-13B	3-ISI-0330-C-01 01	89E-02	R-A	R1.16G	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RHRS	DRHR-3-19	3-ISI-0330-C-01 01	89E-02	R-A	R1.11	UT	ALTSS	20040304	R-086	P	
RHRS	DSRHR-3-05A	3-ISI-0330-C-01 01	89E-02	R-A	R1.16C	UT	ALTSS	20040311	R-126	P	
RHRS	RHR-3-H-024	3-ISI-0395-C-11 11	89E-02	F-A	F1.20B	VT-3		20040212	R-030	P	
RHRS	RHR-3-H-157	3-ISI-0395-C-10 10	89E-02	F-A	F1.20C	VT-3		20040127	R-011	P	
RHRS	RHR-3-R-080	3-ISI-0395-C-10 10	89E-02	F-A	F1.20D	VT-3		20040126	R-006	P	REFERENCE RFR# 3-ISI-2.
RHRS	RHR-3-R-62	3-ISI-0395-C-13	89E-02	F-A	F1.20D	VT-3		20040212	R-028	P	RFR# 3-ISI-2
RHRS	RHRG-3-05A-B	3-ISI-0422-C-01 01	89E-02	C-B	C2.31	MT		20040205	R-016	P	
RHRS	RHRG-3-05B-B	3-ISI-0422-C-01 01	89E-02	C-B	C2.31	MT		20040205	R-017	P	
RHRS	RHRG-3-09-B	3-ISI-0422-C-01 01	89E-02	C-A	C1.10	UT	BF-40	20040203	R-013	P	
RHRS	RHRG-3-10-B	3-ISI-0422-C-01 01	89E-02	C-A	C1.20	UT	BF-40	20040203	R-014	P	
RHRS	RHRG-3-14-B-IA	ISI-0422-C-01	96E-02	C-C	C3.10	MT		20040203	R-012	P	
RHRS	RHRPH-3-A	3-ISI-0311-B-01 01	89E-02	F-A	F1.40B	VT-3		20040206	R-018	P	
RHRS	RHRPH-3-A-IA	3-ISI-0311-B-01	96E-02	C-C	C3.30	MT		20040205	R-015	P	

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RHRS	TRHR-3-191	3-ISI-0330-C-01 01	89E-02	R-A	R1.16C	UT	BF-87	20040306	R-189	P	
RPV	C-5-FLG	3-ISI-0220-C-01 01	89E-02	B-A	B1.30	UT	03	20040315	R-212R	P	*ISWT-PDI-AUT 1-0 AND ISWT-PDI-AUT2-0
RPV	CRDN-3-0219	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0223	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0227	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0231	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0235	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0239	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0243	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0615	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0619	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0623	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0627	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0631	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0635	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0639	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0643	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-0647	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1011	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1015	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1019	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1023	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1027	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1031	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1035	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1039	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1043	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CRDN-3-1047	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1051	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1407	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1411	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1415	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1419	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1423	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1427	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1431	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1435	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1439	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1443	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1447	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1451	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1455	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1803	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1807	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1811	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1815	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1819	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1823	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1827	3-ISI-0293-C-01 01	89E-02	B-E	B4.12	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	CRDN-3-1831-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-2631-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner H. HIGGINS #059
RPV	CRDN-3-2631-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	
RPV	CRDN-3-2635-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3023-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #044

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CRDN-3-3027-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #044
RPV	CRDN-3-3031-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #044
RPV	CRDN-3-3035-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #044
RPV	CRDN-3-3039-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #044
RPV	CRDN-3-3047-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	
RPV	CRDN-3-3047-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	NOI# U3C11-010. REJECTED 2 BOLTS. Reference report# R-157.
RPV	CRDN-3-3047-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040309	R-133	P	4 BOLTS EXAMINED. W. O. 03-021071-001
RPV	CRDN-3-3047-BC	ISI-0293-C-01	P07-02	B-G-2	B7.80	VT-1		20040306	R-142	P	INSPECTED 2 BOLTS. W. O. 03-021071-001
RPV	CRDN-3-3047-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-157	P	INSPECTED 2 BOLTS. (DESIGNATED AS SPARES). This clears NOI# U3C11-013 and 018.
RPV	CRDN-3-3059-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner B. WALTERS #059
RPV	CRDN-3-3423-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3427-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3431-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3435-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3439-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner H. HIGGINS #059
RPV	CRDN-3-3447-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040309	R-133	P	EXAMINED 4 BOLTS.
RPV	CRDN-3-3447-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	ACCEPTED 2 BOLTS.
RPV	CRDN-3-3447-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	NOI# U3C11-010. REJECTED 2 BOLTS. Reference report# R-157.
RPV	CRDN-3-3447-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-157	P	INSPECTED 2 BOLTS. (DESIGNATED AS SPARES). THIS CLEARS NOI#U3C11-013 AND 018.
RPV	CRDN-3-3447-BC	ISI-0293-C-01	P07-02	B-G-2	B7.80	VT-1		20040306	R-142	P	INSPECTED 2 BOLTS. W. O. 03-021071-002
RPV	CRDN-3-3823-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3827-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner H. HIGGINS #059
RPV	CRDN-3-3835-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner H. HIGGINS #059
RPV	CRDN-3-3839-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3843-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	
RPV	CRDN-3-3851-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040307	R-104	P	Additional Examiner H. HIGGINS #059

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CRDN-3-4223-BC	ISI-0293-C-01	P07-02	B-G-2	B7.80	VT-1		20040306	R-106	P	Inspected two (3) new bolts. W.O. 03-021071-021.
RPV	CRDN-3-4223-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040310	R-099	P	2 BOLTS ACCEPTABLE. Additional Examiner H. HIGGINS
RPV	CRDN-3-4223-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	Examined 4 bolts.
RPV	CRDN-3-4223-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-157	P	INSPECTED 3 BOLTS. (DESIGNATED AS SPARES). THIS CLEARS NOI# U3C11-013 AND 018.
RPV	CRDN-3-4223-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040310	R-099	P	NOI# U3C11-013. Additional Examiner R. C. HILTON. W.O. 03-021071-020. Reference report# R-157
RPV	CRDN-3-4235-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040310	R-109	P	INSPECTED FOUR (4) BOLTS.
RPV	CRDN-3-4235-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	3 BOLTS ACCEPTED
RPV	CRDN-3-4235-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-134	P	NOI# U3C11-018. 1 BOLT REJECTED. Reference report# R-157.
RPV	CRDN-3-4235-BC	ISI-0293-C-01	89E-02	B-G-2	B7.80	VT-1		20040313	R-157	P	INSPECTED ONE BOLT. (SPARE). This clears NOI# U3C11-013 AND 018.
RPV	CRDN-3-4235-BC	ISI-0293-C-01	P07-02	B-G-2	B7.80	VT-1		20040306	R-142	P	INSPECTED ONE BOLT. W. O. 03-021071-022
RPV	FLUXMON-3-01	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-05	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-09	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-13	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-17	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-21	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-25	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-30	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-35	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-41	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-45	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-49	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-52	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	FLUXMON-3-55	ISI-0293-C-02	89E-02	B-E	B4.13	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	N10-IR	ISI-0445-C-01 01	89E-02	B-D	B3.100	UT	BF-18	20040304	R-188	P	*VENDOR PROCEDURE 54-ISI-850-03 (SDCN# 30-5037583-00).

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	N10-NV	3-ISI-0445-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20040304	R-187	P	
RPV	N12A	3-ISI-0220-C-01 01	89E-02	B-E	B4.11	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	N16B	3-ISI-0220-C-01 01	89E-02	B-E	B4.11	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RPV	N4D-IR	3-ISI-0327-C-01 01	89E-02	B-D	B3.100	UT	BF-18	20040312	R-184	P	*54-ISI-850-03 (SCDN # 30-5037583-00)
RPV	N4D-NV	3-ISI-0327-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20040308	R-182	P	
RPV	N4E-IR	3-ISI-0327-C-01 01	89E-02	B-D	B3.100	UT	BF-18	20040312	R-185	P	*54-ISI-850-03 (SCDN # 30-5037583-00).
RPV	N4E-NV	3-ISI-0327-C-01 01	89E-02	B-D	B3.90	UT	BF-18	20040308	R-183	P	
RPV	N6B-IR	3-ISI-0295-A-01	89E-02	B-D	B3.100	VT-1E		20040307	R-093	P	RFR# 3-ISI-11
RPV	N6B-NV	3-ISI-0295-A-01 01	89E-02	B-D	B3.90	UT	BF-18/BF-19	20040306	R-186	P	BF-19.
RPV	N7-3-3-BC	3-ISI-0295-A-01 01	89E-02	B-G-2	B7.50	VT-1		20040311	R-115	P	
RPV	RCH-3-1C	3-ISI-0295-A-01	89E-02	B-A	B1.21	UT	BF-18/BF-19	20040308	R-128	P	BF-19. Recordable indication was noted not connected to THE ID surface. UT Sizing performed, no measureable thru-wall dimensions. Acceptable.
RPV	RCH-3-5V	3-ISI-0295-A-01 01	89E-02	B-A	B1.22	UT	BF-18/BF-19	20040307	R-129	P	BF-19
RPV	RCH-3-6V	3-ISI-0295-A-01 01	89E-02	B-A	B1.22	UT	BF-18/BF-19	20040306	R-130	P	BF-19
RPV	RPV CORE SUPPORT	ISI-0220-C-02	89E-02	B-N-2	B13.40	VT-3		20040320	R-098	P	*54-ISI-363-02 (SDCN# 030-5038911-01)
RPV	RPV INT ATT BLR	ISI-0220-C-02	89E-02	B-N-2	B13.20	VT-1		20040320	R-098	P	*54-ISI-363-02 (SDCN# 30-5038911-01)
RPV	RPV INT ATT NBLR	ISI-0220-C-02	89E-02	B-N-2	B13.30	VT-3		20040320	R-098	P	* 54-ISI-363-02 (SDCN# 30-5038911-01). Noi# U3C11-011 AAND U3C11-017
RPV	RPV INTERIOR	ISI-0220-C-02	89E-02	B-N-1	B13.10	VT-3		20040320	R-098	P	*54-ISI-363-02 (SDCN 30-5038911-01)
RPV	RPV-BUSH-3-61	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-62	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-63	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-64	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-65	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-66	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-67	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	

Done 7/7/14

EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-BUSH-3-68	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-69	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-70	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-71	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-72	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-73	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-74	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-75	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-76	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-77	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-78	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-79	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-80	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-81	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-82	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-83	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-84	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-85	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-86	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-87	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-88	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-89	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-90	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-91	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-BUSH-3-92	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040322	R-203	P	
RPV	RPV-LIGS-3-61	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-62	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-LIGS-3-63	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-64	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-65	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-66	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-67	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-68	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-69	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-70	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-71	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-72	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-73	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-74	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-75	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-76	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-77	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-78	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-79	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-80	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-81	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-82	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-83	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-84	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-85	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-86	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-87	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-88	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-89	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-LIGS-3-90	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-91	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-LIGS-3-92	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.40	UT-0	BF-126	20040322	R-202	P	
RPV	RPV-NUTS-3-61	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-62	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-63	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-64	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-65	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-66	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-67	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-68	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-69	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-70	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-71	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-72	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-73	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-74	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-75	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-76	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-77	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-78	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-79	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-80	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-81	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-82	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-83	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-84	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10

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04/13/2004

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-NUTS-3-85	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-86	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-87	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-88	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-89	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-90	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-91	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-NUTS-3-92	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.10	VT-1		20040308	R-100	P	RFR# 3-ISI-10
RPV	RPV-STAB-3-1	3-ISI-0416-C-01 01	89E-02	F-A	F1.40C	VT-3		20040318	R-178	P	Additional Examiner H. BARNETT
RPV	RPV-STUDS-3-61	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-62	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-63	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-64	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-65	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-66	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-67	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-68	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-69	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-70	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-71	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-72	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-73	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-74	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-75	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-76	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-77	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH
RPV	RPV-STUDS-3-78	3-ISI-0267-C-01 01	89E-02	B-G-1	B6.20	UT	BF-126	20040322	R-201	P	ADDITIONAL EXAMINER K. SMITH

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-WASH-3-74	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-75	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-76	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-77	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-78	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-79	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-80	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-81	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-82	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-83	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
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RPV	RPV-WASH-3-85	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-86	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-87	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-88	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-89	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-90	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-91	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RPV-WASH-3-92	3-IST-0267-C-01 01	89E-02	B-G-1	B6.50	VT-1		20040308	R-101	P	
RPV	RWR-3-001-G007	3-IST-0328-C-01 01	89E-02	R-A	R1.16A	UT		20040312	R-149	P	*Procedure 54-IST-856-00 SDCN# 30-5038977-00. Additional Examiner J. D. BUTTRAM
RPV	V-1-A	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040312	R-212A	P	*ISWT-PDI-AUT 1-0
RPV	V-1-B	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040314	R-212B	P	*ISWT-PDI-AUT 1-0
RPV	V-1-C	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040313	R-212C	P	*ISWT-PDI-AUT 1-0
RPV	V-2-A	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040312	R-212D	P	*ISWT-PDI-AUT 1-0
RPV	V-2-B	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040312	R-212E	P	*ISWT-PDI-AUT 1-0
RPV	V-2-C	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040312	R-212F	P	*ISWT-PDI-AUT 1-0
RPV	V-3-A	3-IST-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040318	R-212G	P	*ISWT-PDI-AUT 1-0

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EXAM REQUIREMENTS
89E-02 96E-02
A01-02 P07-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	V-3-A	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	BF-18	20040311	R-212G	P	* MANUAL UT SUPPLEMENTS
RPV	V-3-B	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040318	R-212H	P	*ISWT-PDI-AUT1-0
RPV	V-3-B	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	BF-18	20040311	R-212H	P	* MANUAL UT SUPPLEMENTS
RPV	V-3-C	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	BF-18	20040311	R-212I	P	*MANUAL UT SUPPLEMENTS
RPV	V-3-C	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040318	R-212I	P	*ISWT-PDI-AUT1-0
RPV	V-4-A	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040310	R-212L	P	*ISWT-PDI-AUT1-0
RPV	V-4-B	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040310	R-212J	P	*ISWT-PDI-AUT1-0
RPV	V-4-C	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040311	R-212K	P	*ISWT-PDI-AUT1-0
RPV	V-5-A	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040311	R-212O	P	*ISWT-PDI-AUT1-0
RPV	V-5-B	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040311	R-212P	P	*ISWT-PDI-AUT1-0
RPV	V-5-C	3-ISI-0220-C-01 01	89E-02	B-A	B1.12	UT	02	20040310	R-212Q	P	*ISWT-PDI-AUT1-0
RWCUS	3-47B406-291	3-ISI-0334-C-01 01	89E-02	F-A	F1.10D	VT-3		20040302	R-054	P	RFR# 3-ISI-2
RWCUS	RWCU-3-007-G004	3-ISI-0332-C-02 02	89E-02	R-A	R1.11	UT	BF-01	20040302	R-081	P	

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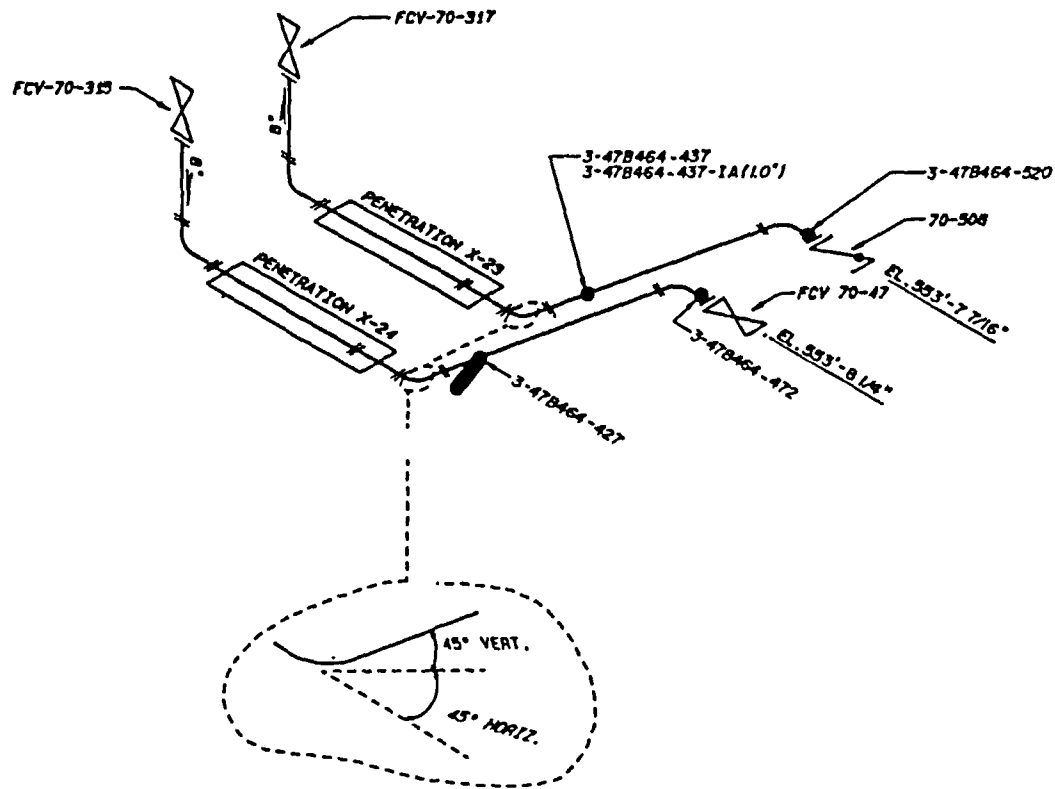
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OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ISOMETRICS FOR COMPONENT LOCATIONS



REFERENCE DRAWINGS:

47R2054
47W464-H SERIES

LEGEND:

● RIGID HANGER

▬ RIGID STRUT

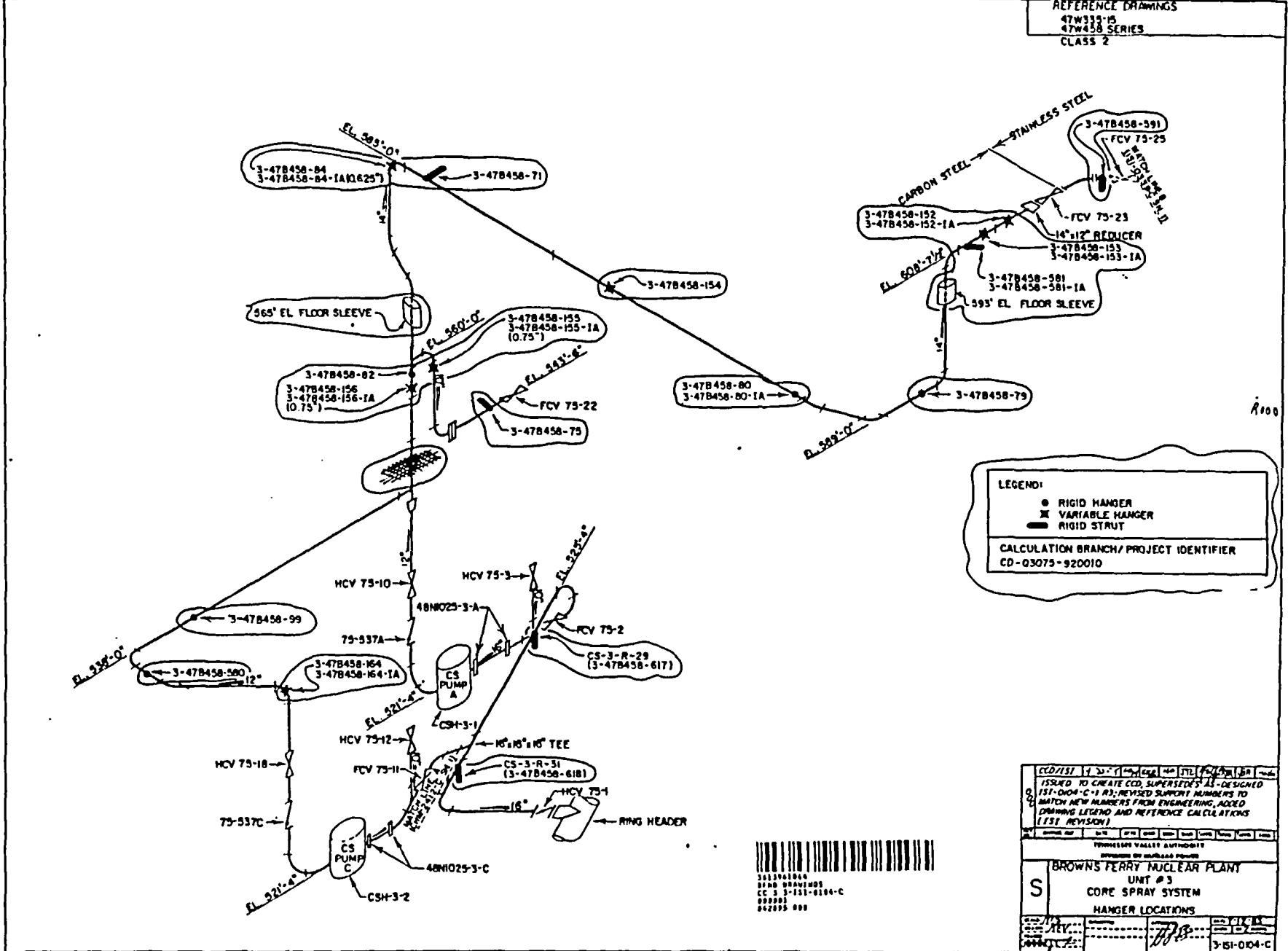
ASME CC-2 (EQUIVALENT)

REV
RM
REC

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NO.	ADMIN	DC PHILLIPS	MCH	RLD	12-07-05
DESIGNED PER BROWN HULLS DESIGN 703					
REV	CHANGE	REP	PREPARED	CHECKED	APPROVED DATE
TRANSMISSION VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT UNIT #3 REACTION BUILDING CLOSED COOLING WATER SYSTEM SUPPORT LOCATIONS					
DATE	BY	CHKD	APP'D	3-15J-0036-C	
CAD MAINTAINED DRAWING				CCD	001

REFERENCE DRAWINGS
 47W335-15
 47W458 SERIES
 CLASS 2

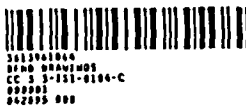


LEGEND:

- RIGID HANGER
- VARIABLE HANGER
- RIGID STRUT

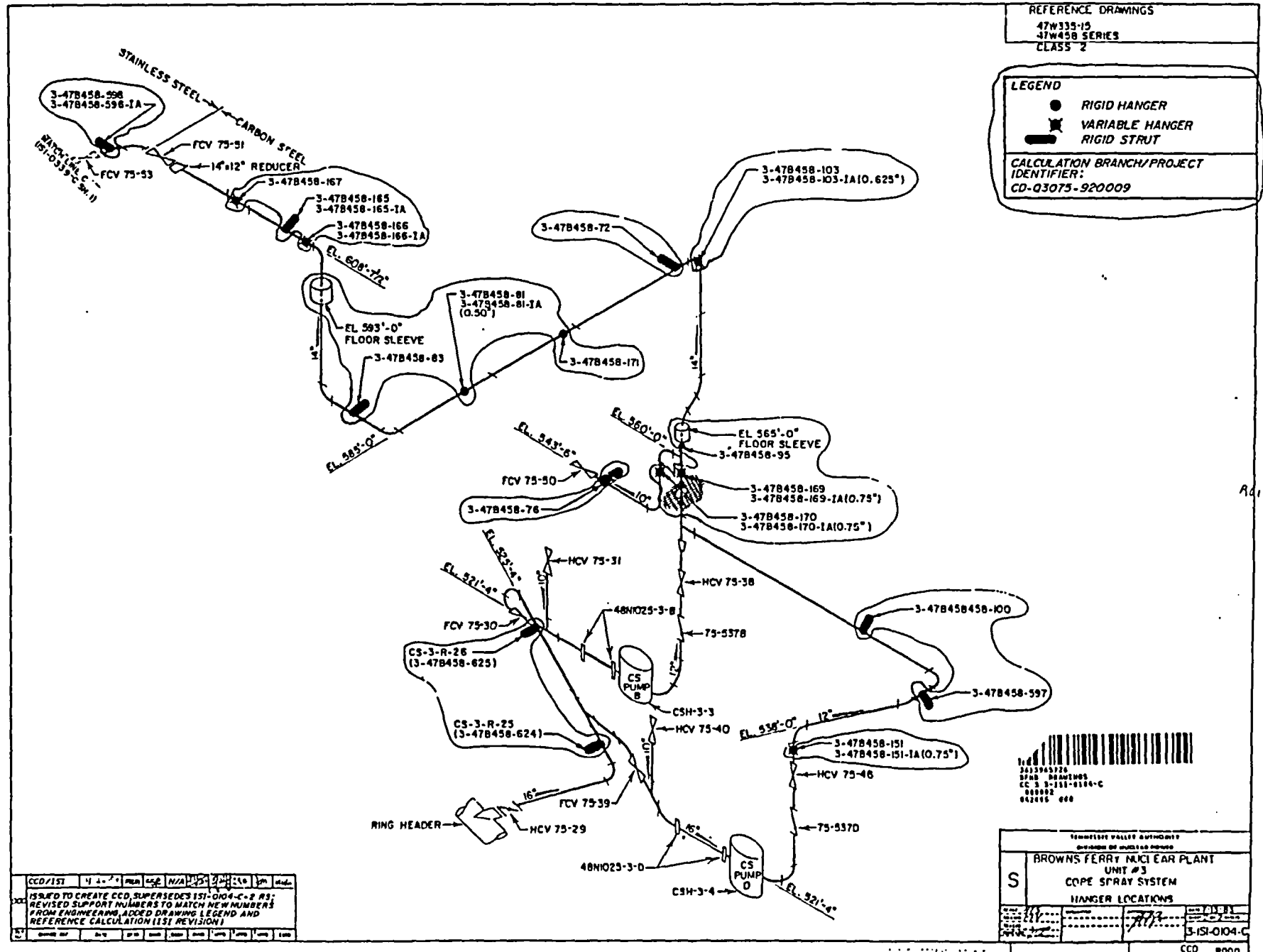
CALCULATION BRANCH / PROJECT IDENTIFIER
 CD-03075-920010

ISSUED TO CREATE CCD, SUPERSEDES AS DESIGNED (151-0004-C-1) R3; REVISED SUPPORT NUMBERS TO MATCH NEW HANGERS FROM ENGINEERING, ADDED DRAWING LEGEND AND REFERENCE CALCULATIONS (151 REVISION)										
APPROVED BY										
BROWN'S FERRY NUCLEAR PLANT UNIT #3 CORE SPRAY SYSTEM HANGER LOCATIONS										
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DATE	REV	DESCRIPTION	BY	CHECKED						
10/15/84	1									
3-151-004-C										
CCD										



ALL AND HISTORY RESEARCHED & NUDD

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REFERENCE DRAWINGS
47W335-15
47W458 SERIES
CLASS 2

LEGEND

- RIGID HANGER
- VARIABLE HANGER
- RIGID STRUT

CALCULATION BRANCH/PROJECT IDENTIFIER:
CD-Q3075-920009

CCD/ISI 11-24-11 11:00 AM 11/23/11 11:00 AM 11/23/11 11:00 AM 11/23/11 11:00 AM 11/23/11 11:00 AM 11/23/11 11:00 AM 11/23/11 11:00 AM

ISSUED TO CREATE CCD, SUPERSEDES ISI-0104-C-2 AS REVISED SUPPORT NUMBERS TO MATCH NEW NUMBERS FROM ENGINEERING, ADDED DRAWING LEGEND AND REFERENCE CALCULATION (ISI REVISION)

100
 2632963726
 5145 36800805
 CS 3 3-151-0104-C
 000002
 042496 000

TENNESSEE VALLEY AUTHORITY
 DIVISION OF NUCLEAR POWER
 BROWNS FERRY NUCLEAR PLANT
 UNIT #3
 COPE SPRAY SYSTEM
 HANGER LOCATIONS

S

11/23/11
 11/23/11
 11/23/11
 11/23/11

3-151-0104-C

CCD 0000

NOZZLE GROUP | DISTANCE TO MATING SURFACE

N3X - 86.5°
 N12X - 146°
 N11X - 228°
 N4X - 246.5°
 N5X - 259.5°
 N9 - 296.5°
 N16X - 379°
 N2X - 564°
 N1X - 583.5°
 N8X - 610°

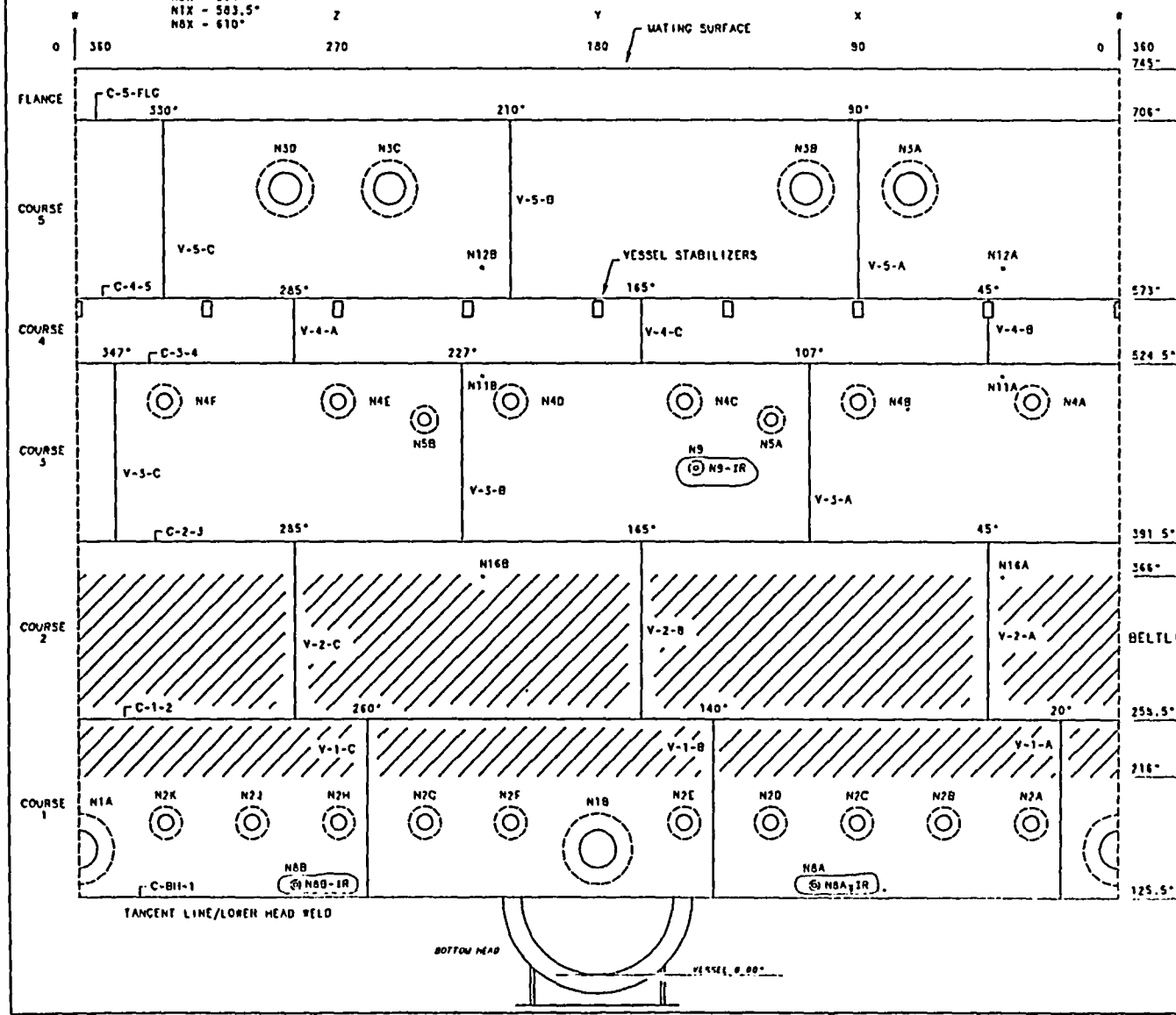
REFERENCE DRAWINGS (GF)

SKETCHES - RPV EXAMINATION PLAN (CE)
 SK-B3001 SK-B3005 SK-B3010
 SK-B3003 SK-B3007
 SK-B3004 SK-B3006

LEGEND

O VESSEL NOZZLE
 - - FULL PENETRATION NOZZLE WELD

ASME CC-1 (EQUIVALENT)



NOTES:
 1. REFER TO RPV MANUAL FOR MATERIAL SPECIFICATIONS AND THICKNESS OF MATERIAL.
 2. NOZZLES N-11A, N-11B, N-12A, N-12B, N-16A, AND N-16B ARE CATEGORY B-E.

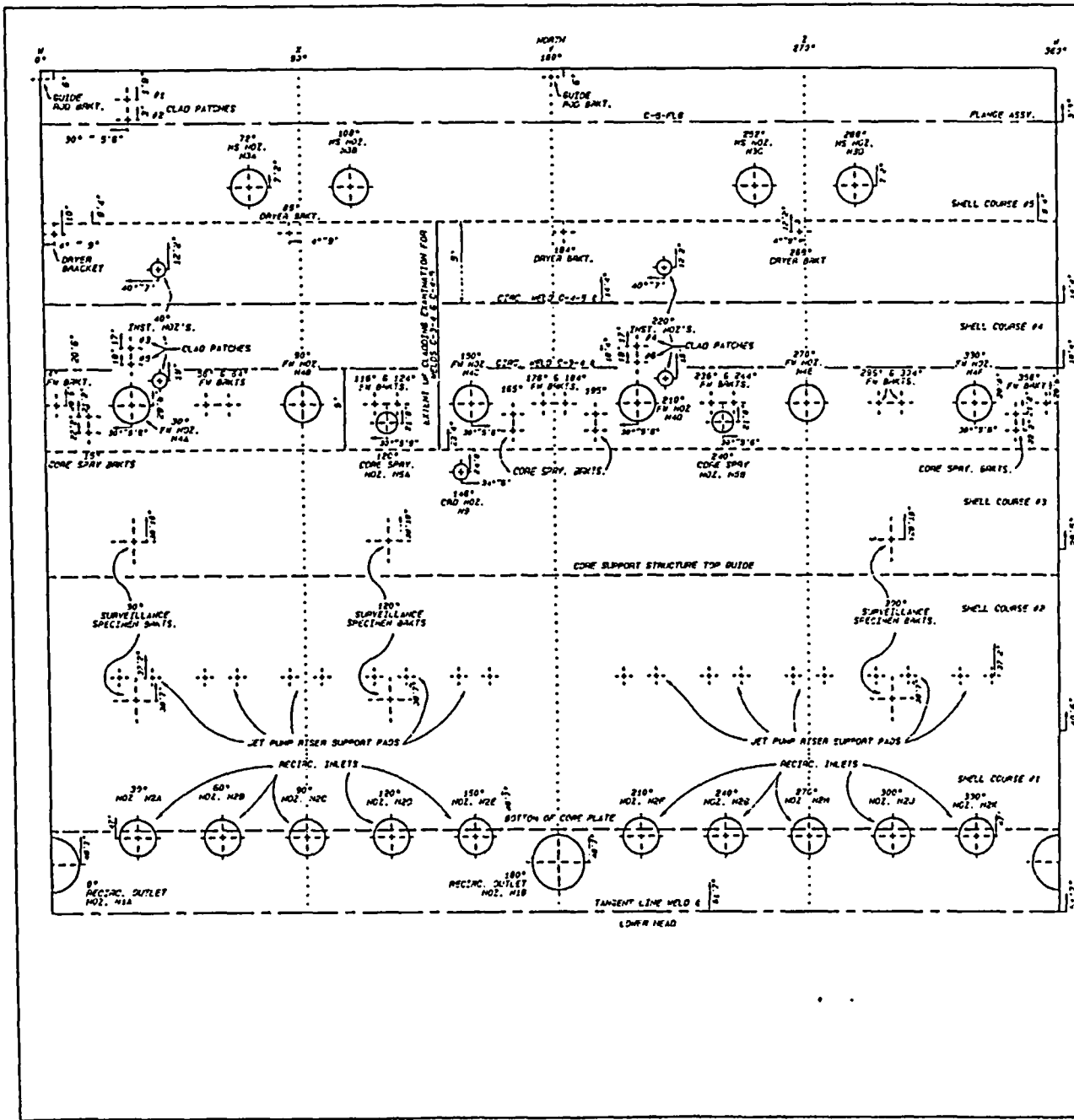
BELTLINE REGION

REV	DATE	BY	CHKD	APP'D	DATE	BY	CHKD	APP'D	DATE
001	REVISED PER NRC DRAWING 016-01000-002								
002	REVISED PER NRC DRAWING 016-01000-002								
003	REVISED PER NRC DRAWING 016-01000-002								
TENNESSEE VALLEY AUTHORITY									
BROWNS FERRY NUCLEAR PLANT									
UNIT 3									
REACTOR PRESSURE VESSEL (RPV)									
SHELL COURSE WELD/NOZZLE LOCATIONS (OUTSIDE VIEW)									
DESIGN	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DESIGNED	10C	APPROVED	ULB	SCALE	N15	DATE	01 OF 02	REV	
SUBMITTED	JIS	DATE	ULB	SCALE	N15	DATE	01 OF 02	REV	

ALL A/D HISTORY RESEARCHED AT 9000

CCD

Page 88 of 145

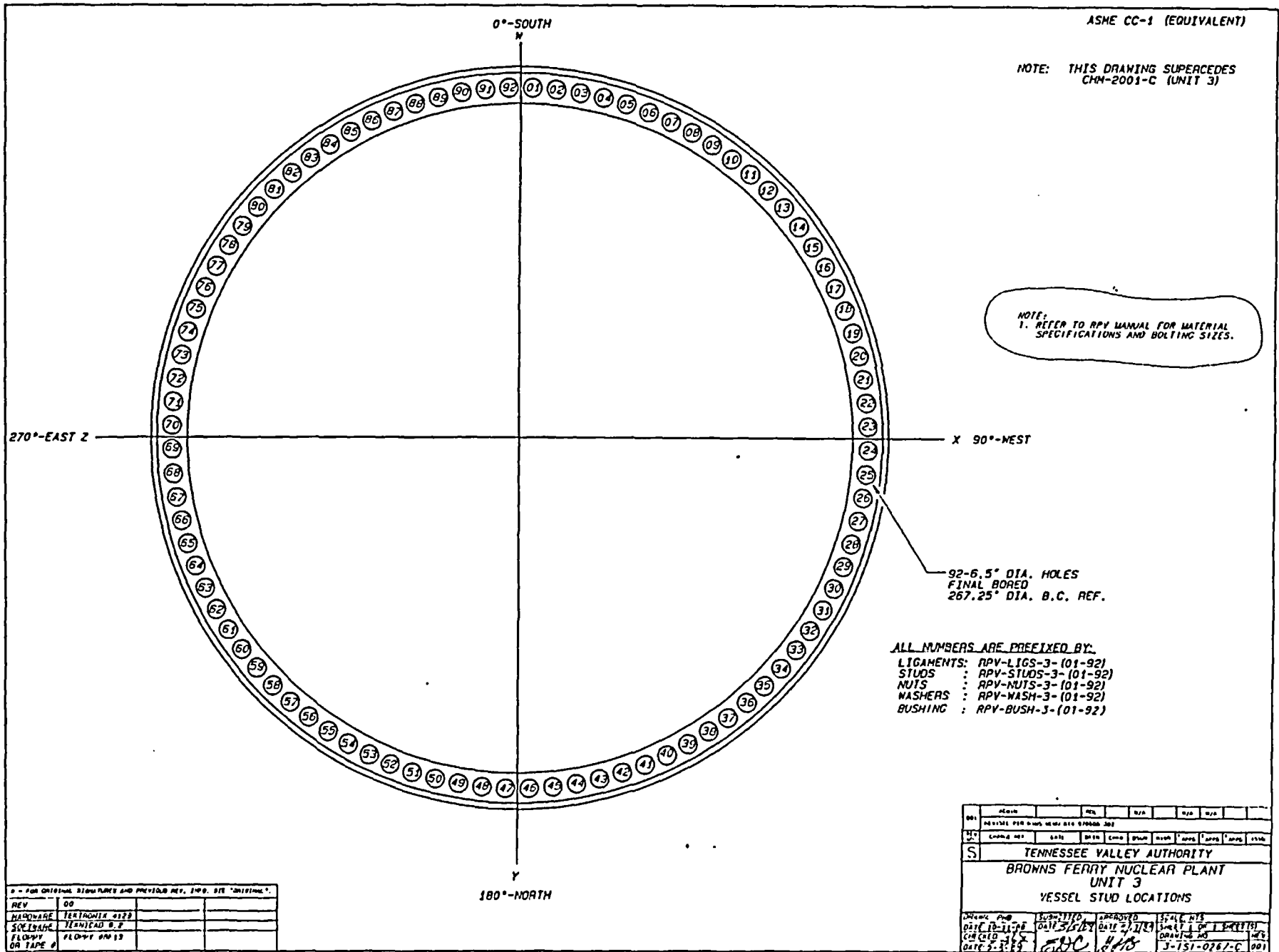


REFERENCE DRAWINGS
 500733-001C (MIRROR INSULATION)
 24187-F (BSW)
 122856E

- NOTES:
- FOUR (4) STEAM DRYER HOLDDOWN BRACKETS (NOT SHOWN) ARE LOCATED IN THE VESSEL CLOSURE HEAD 30° UP FROM THE FLANGE. THESE ARE AT AZIMUTH LOCATIONS 41°, 139°, 221°, AND 319°
 - FOR CODE CATEGORY B-N-1 "RPV INTERIOR"
 FOR CODE CATEGORY B-N-2 "RPV INT ATT BLM"
 "RPV INT ATT NBLR"
 "RPV CORE SUPPORT"
 ① BELTLINE REGION
 ② NON BELTLINE REGION

REV	DATE	BY	CHKD	APP'D	REASON
000					ISSUED TO CONTROL AND SUPERVISE AS DESIGN BY 0200 C 3 01 AND TO BE PAID AS LOCATIONS WITH THIS WELD AND NOZZLE
001					CHANGE NOZ. 180° TO 180°
002					CHANGE NOZ. 180° TO 180°
003					CHANGE NOZ. 180° TO 180°
004					CHANGE NOZ. 180° TO 180°
005					CHANGE NOZ. 180° TO 180°
006					CHANGE NOZ. 180° TO 180°
007					CHANGE NOZ. 180° TO 180°
008					CHANGE NOZ. 180° TO 180°
009					CHANGE NOZ. 180° TO 180°
010					CHANGE NOZ. 180° TO 180°
011					CHANGE NOZ. 180° TO 180°
012					CHANGE NOZ. 180° TO 180°
013					CHANGE NOZ. 180° TO 180°
014					CHANGE NOZ. 180° TO 180°
015					CHANGE NOZ. 180° TO 180°
016					CHANGE NOZ. 180° TO 180°
017					CHANGE NOZ. 180° TO 180°
018					CHANGE NOZ. 180° TO 180°
019					CHANGE NOZ. 180° TO 180°
020					CHANGE NOZ. 180° TO 180°

TENNESSEE VALLEY AUTHORITY
 BROWNS FERRY NUCLEAR PLANT
 UNIT 3
 REACTOR VESSEL WELD AND NOZZLE
 LOCATIONS (INTERIOR WALL)
 3-151-0220-C 000
 CCD



ASME CC-1 (EQUIVALENT)

NOTE: THIS DRAWING SUPERCEDES
CHM-2001-C (UNIT 3)

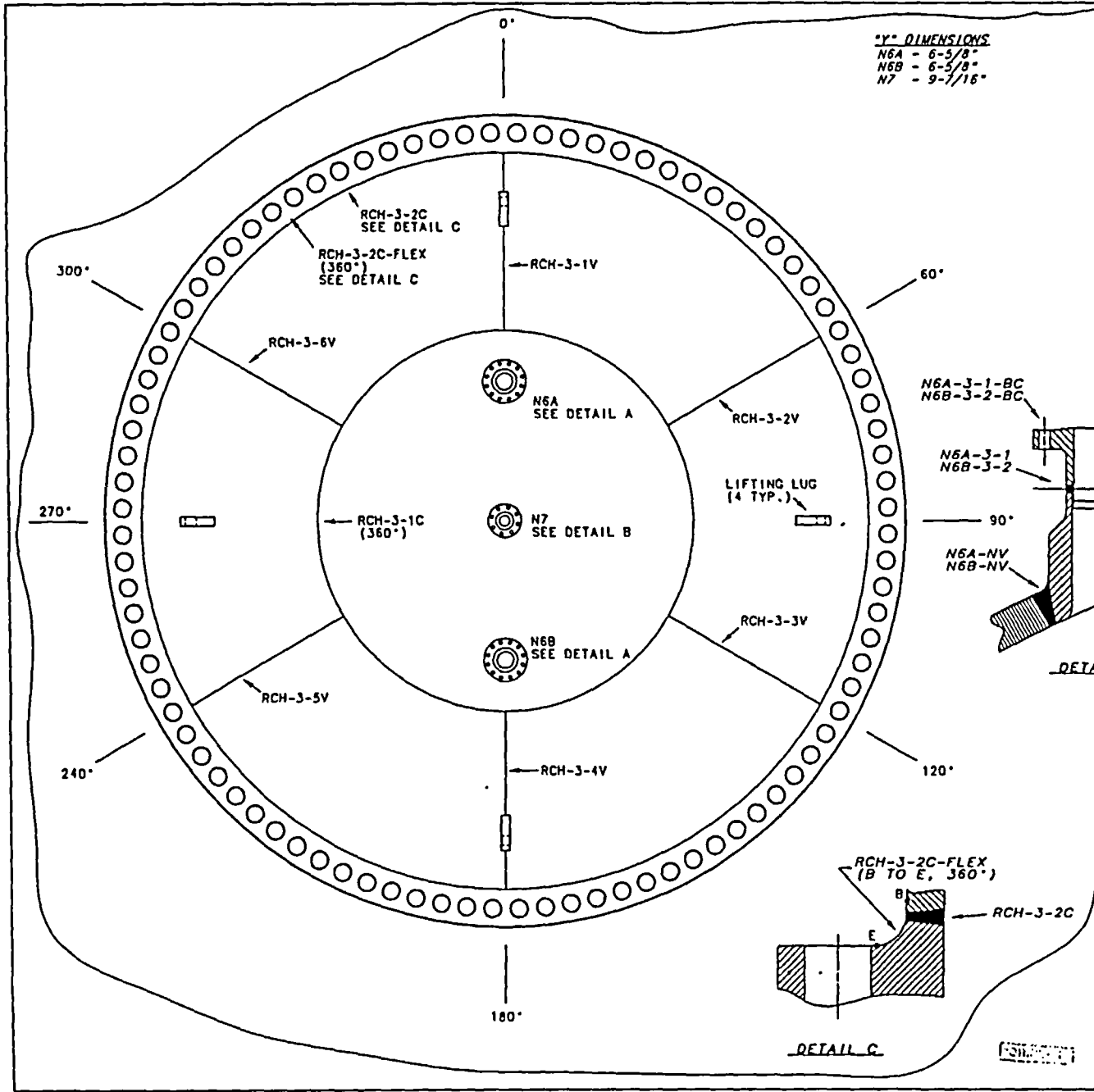
NOTE:
1. REFER TO RPV MANUAL FOR MATERIAL
SPECIFICATIONS AND BOLTING SIZES.

92-6.5" DIA. HOLES
FINAL BORED
267.25" DIA. B.C. REF.

ALL NUMBERS ARE PREFIXED BY:
LIGAMENTS: RPV-LIGS-3-(01-92)
STUDS : RPV-STUDS-3-(01-92)
NUTS : RPV-NUTS-3-(01-92)
WASHERS : RPV-WASH-3-(01-92)
BUSHING : RPV-BUSH-3-(01-92)

REV	00		
DATE	12/11/78		
BY	WJG		
CHECKED	WJG		
DATE	5-3-79		

DESIGN	DATE	BY	CHECKED	DATE	BY
REV	DATE	BY	CHECKED	DATE	BY
TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT UNIT 3 VESSEL STUD LOCATIONS					
DATE	BY	DATE	BY	DATE	BY
12-11-78	WJG	5-3-79	WJG	5-3-79	WJG
APPROVED			SCALE: NTS		
EJC			3-151-0261-C 001		

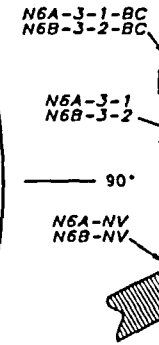


***Y* DIMENSIONS**
 N6A - 6-3/8"
 N6B - 6-3/8"
 N7 - 9-7/16"

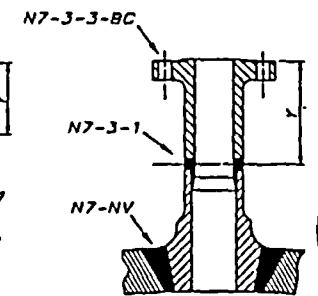
REFERENCE DRAWINGS:
 B&W 122876
 B&W 122877
 NOTE: THIS DRAWING SUPERSEDES
 CHM-2102-A (UNIT 3 ONLY)

MATERIAL SPECIFICATIONS
 CLOSURE HEAD DOME/SEGMENTS
 CS MN/MO
 N-7
 NOZZLE - A508 CL.2 (MN-MO)
 LONG WELD NECK - SA-105 GR.11 CS

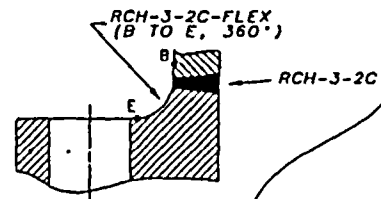
N6A, N6B
 NOZZLE - A508 CL.2 (MN-MO)
 LONG WELD NECK - SA-105 GR.11 CS
 ASME CC-1 (EQUIVALENT)



DETAIL A



DETAIL B



DETAIL C



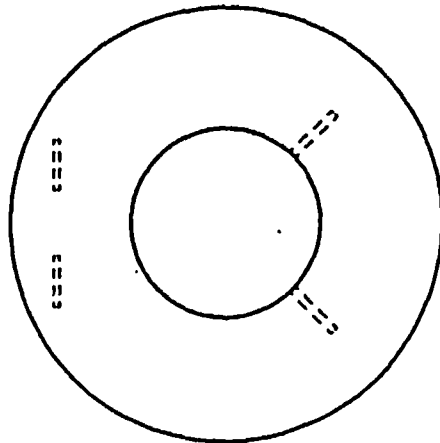
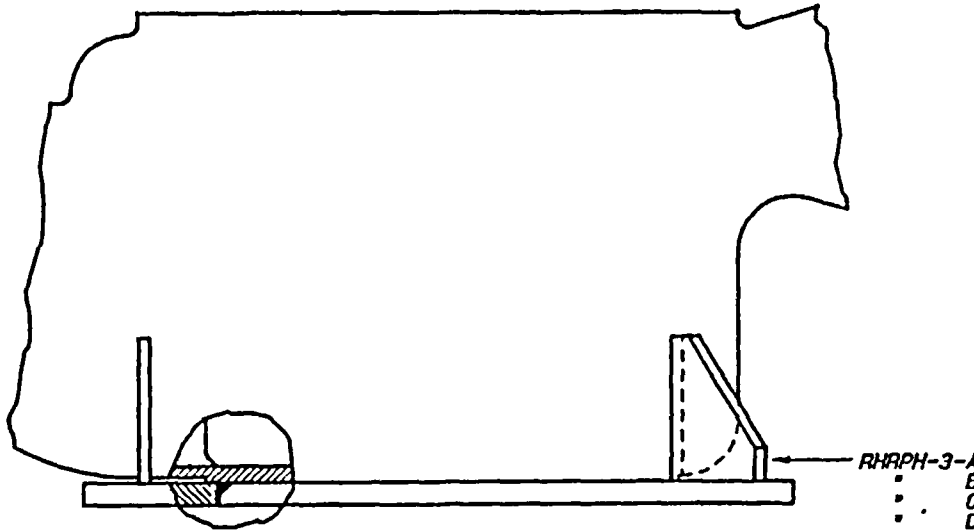
REV	DATE	BY	CHKD	APP'D	DESCRIPTION
000	10-27-74	W.A.			ISSUED TO CREATE 220 SUPPLEMENT TO RESPONSE 181-0000-4.2 AND TO REPLACE ALL CONTRACTED DRAWING PDS WITH NEW DATE 01/22/81 2021 26 00
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 CLOSURE HEAD ASSEMBLY WELD LOCATIONS					
DATE	BY	CHKD	APP'D	SCALE	SIZE
01-13-77	W.A.			AS SHOWN	11 1/2 X 17 1/2
DATE	BY	CHKD	APP'D	SCALE	SIZE
01-13-77	roc			AS SHOWN	11 1/2 X 17 1/2
3-151-0295-A(000)					

ALL A/D HISTORY RESEARCHED AT R000

CCD

REFERENCE DRAWINGS:
 NOTE: THIS DRAWING SUPERCEDES ISI-0022-B
 (UNIT 3 ONLY)

ASHE CC-2 (EQUIVALENT)



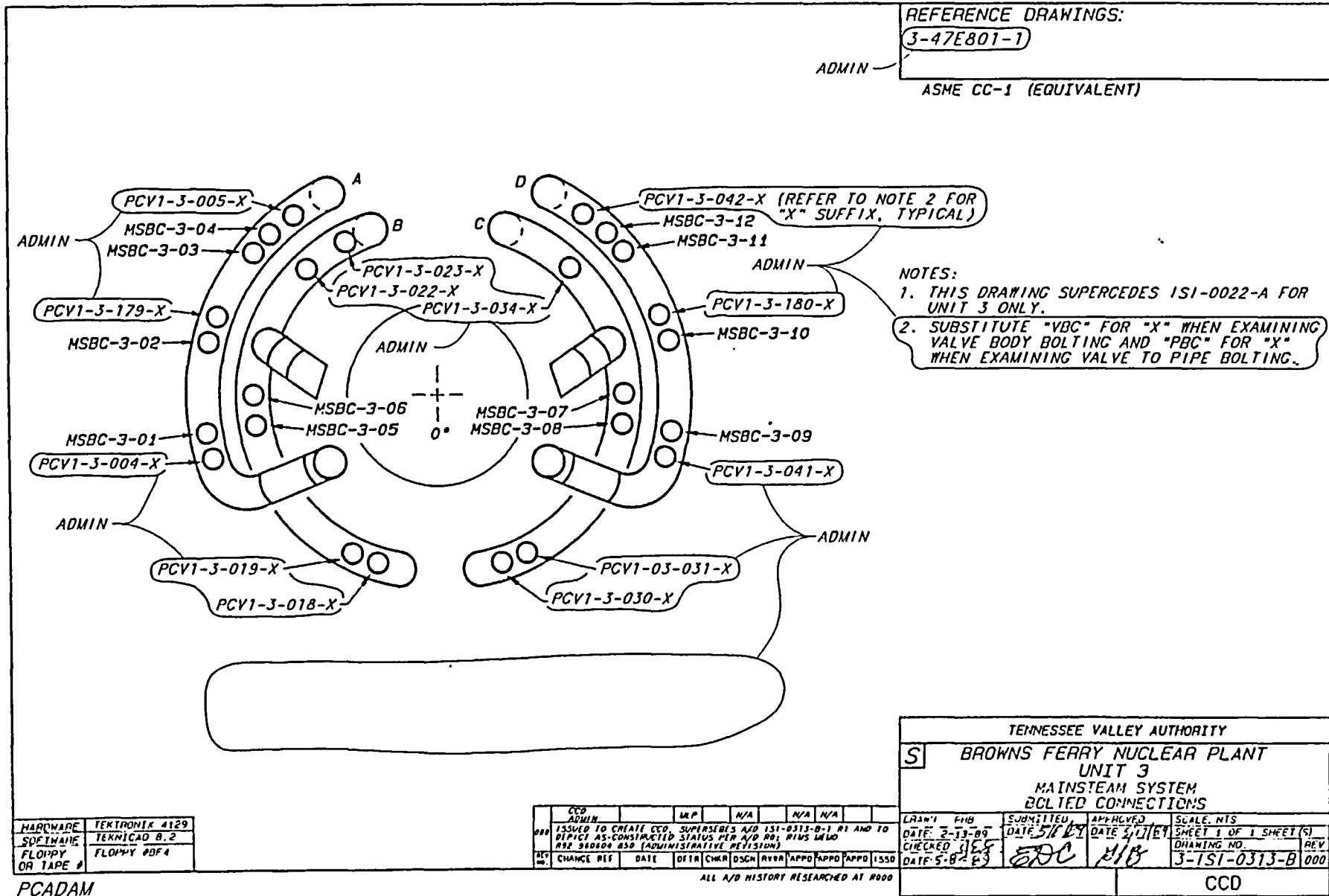
4956638090
 BEND DRAWINGS
 CC 3 3-151-0311-B
 000001
 051697 000

"ORIGINAL"

CCD ADMIN	5/11/97	REL	J	N/A	REL	N/A	N/A	CIA	PLM
000	ISSUED TO CREATE CCD SUPERCEDES AS-DESIGNED ISI-0311-B-1 AND TO DEPICT AS CONSTRUCTED STATUS PER 3100 NEDD B14 970001 3001 A/D NO								
REV NO:	CHANGE REF	DATE	BY	CHKR	DSGN	BYVR	APPR	APPR	1530
S	TENNESSEE VALLEY AUTHORITY								
BROWNS FERRY NUCLEAR PLANT UNIT 3 RESIDUAL HEAT REMOVAL PUMP SUPPORT									
DRAWN: PWB	SUBMITTED	APPROVED	SCALE: NTS						
DATE: 10-15-88	DATE: 5/1/89	DATE: 2/1/89	SHEET 1 OF 1 SHEET(S)						
CHECKED: JLS	DATE: 1-3-89	DATE: 1-3-89	DRAWING NO. MEV						
		EJC		HJB		3-151-0311-B 000			
								CCD	

PCADAM

ALL A/D HISTORY RESEARCHED AT R000



REFERENCE DRAWINGS:

3-47E801-1

ADMIN

ASME CC-1 (EQUIVALENT)

NOTES:

1. THIS DRAWING SUPERCEDES ISI-0022-A FOR UNIT 3 ONLY.
2. SUBSTITUTE "VBC" FOR "X" WHEN EXAMINING VALVE BODY BOLTING AND "PBC" FOR "X" WHEN EXAMINING VALVE TO PIPE BOLTING.

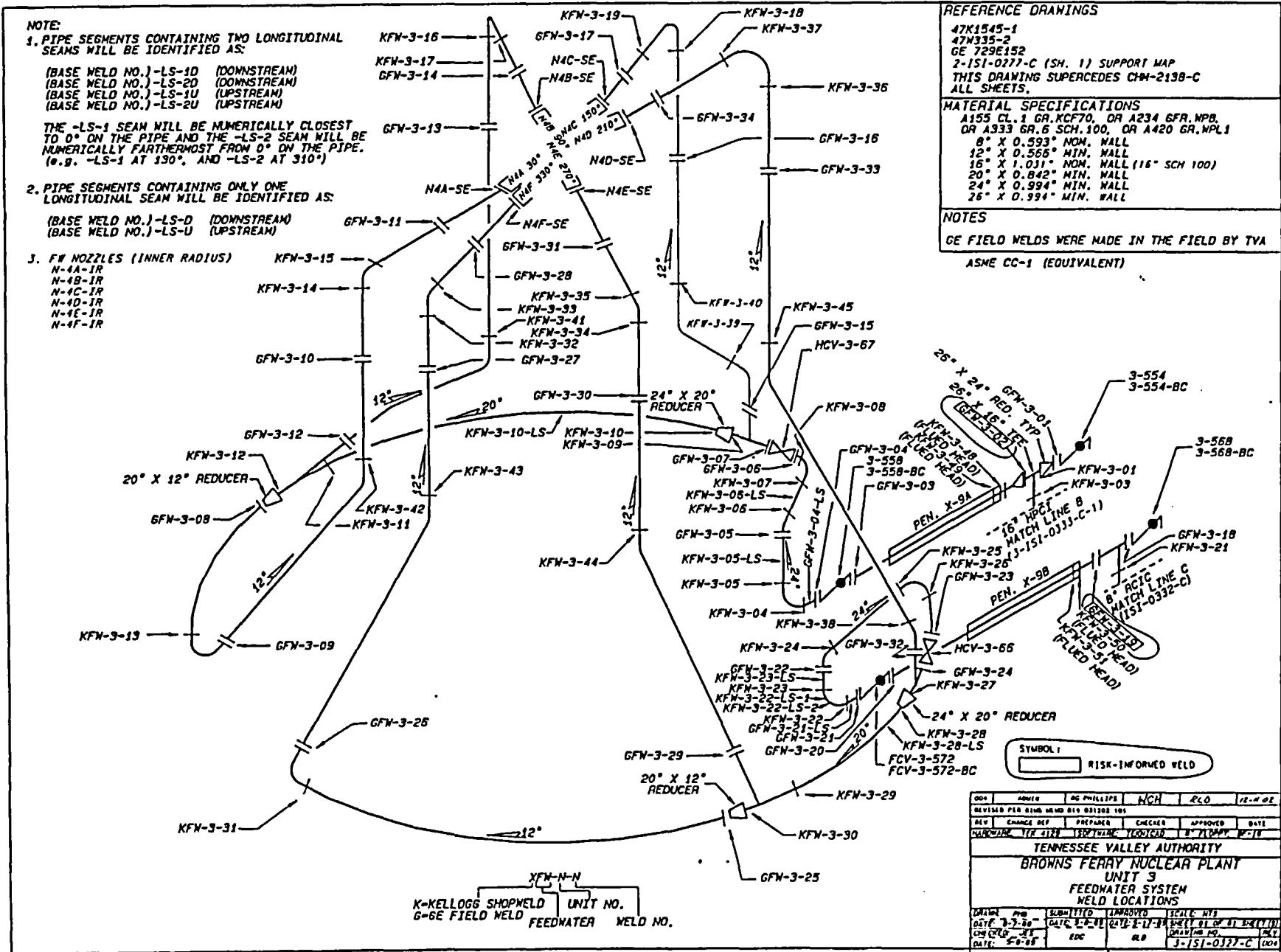
HARDWARE	TEKTRONIX 4129
SOFTWARE	TEKNICA0 B.2
FLOPPY OR TAPE	FLOPPY #DF4

PCADAM

CCD	ADMIN	IMP	N/A	N/A	N/A				
ISSUED TO CREATE CCD. SUPERSEDES A/D ISI-0313-B-1 R1 AND TO DEPICT AS-CONSTRUCTED STATUS PER A/D R01. R1MS W/LW. R02 REDD04 ASD (ADMINISTRATIVE REVISION)									
REV	CHANGE REF	DATE	DETR	CHKR	DSGN	RYER	APPO	APPO	APPO
000									ISSO

ALL A/D HISTORY RESEARCHED AT R000

TENNESSEE VALLEY AUTHORITY			
S BROWNS FERRY NUCLEAR PLANT			
UNIT 3			
MAINSTEAM SYSTEM			
BOLTED CONNECTIONS			
LRANI	FHB	SUBMITTED	APPROVED
DATE: 2-13-89	DATE: 5/1/89	DATE: 3/1/89	SCALE: NTS
CHECKED: JES	DATE: 5-8-89	EDC	MIB
			SHEET 1 OF 1 SHEET(S)
			DRAWING NO.
			3-1S1-0313-B
			REV 000
			CCD



NOTE:

1. PIPE SEGMENTS CONTAINING TWO LONGITUDINAL SEAMS WILL BE IDENTIFIED AS:

- (BASE WELD NO.)-LS-1D (DOWNSTREAM)
- (BASE WELD NO.)-LS-2D (DOWNSTREAM)
- (BASE WELD NO.)-LS-1U (UPSTREAM)
- (BASE WELD NO.)-LS-2U (UPSTREAM)

THE -LS-1 SEAM WILL BE NUMERICALLY CLOSEST TO 0° ON THE PIPE AND THE -LS-2 SEAM WILL BE NUMERICALLY FARTHERMOST FROM 0° ON THE PIPE. (E.G. -LS-1 AT 130°, AND -LS-2 AT 310°)

2. PIPE SEGMENTS CONTAINING ONLY ONE LONGITUDINAL SEAM WILL BE IDENTIFIED AS:

- (BASE WELD NO.)-LS-D (DOWNSTREAM)
- (BASE WELD NO.)-LS-U (UPSTREAM)

3. FW NOZZLES (INNER RADIUS)

- N-4A-1R
- N-4B-1R
- N-4C-1R
- N-4D-1R
- N-4E-1R
- N-4F-1R

REFERENCE DRAWINGS

- 47K1545-1
- 47N335-2
- GE 729E152
- 2-151-0277-C (SH. 1) SUPPORT MAP
- THIS DRAWING SUPERCEDES CHW-2138-C ALL SHEETS.

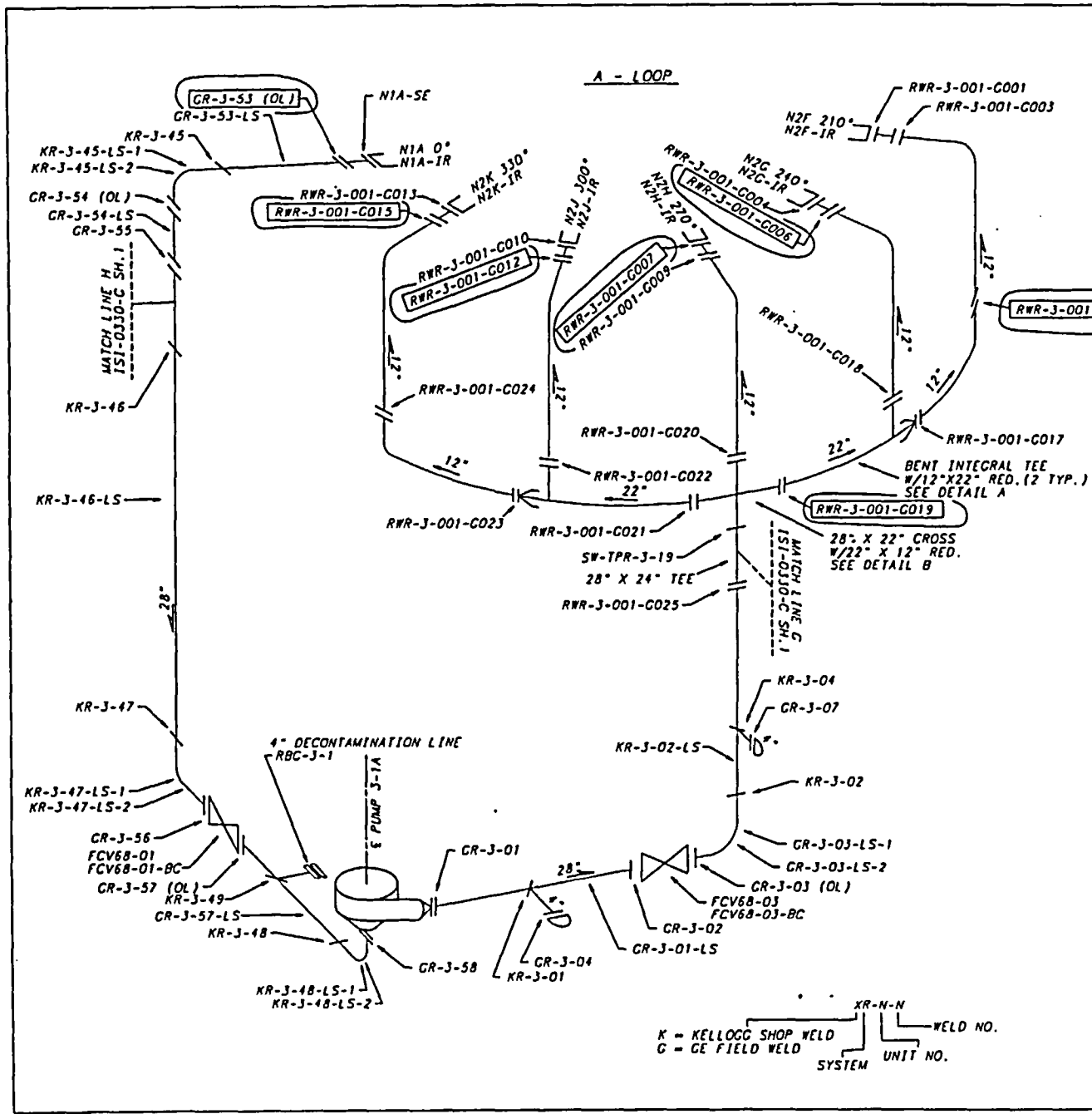
MATERIAL SPECIFICATIONS

- A155 CL.1 GR.KCF70, OR A234 GFR.WPB, OR A333 GR.6 SCH.100, OR A420 GR.WPL1
- 8" X 0.593" NOM. WALL
- 12" X 0.566" MIN. WALL
- 16" X 1.031" NOM. WALL (16" SCH 100)
- 20" X 0.842" MIN. WALL
- 24" X 0.994" MIN. WALL
- 26" X 0.994" MIN. WALL

NOTES

GE FIELD WELDS WERE MADE IN THE FIELD BY TVA ASME CC-1 (EQUIVALENT)

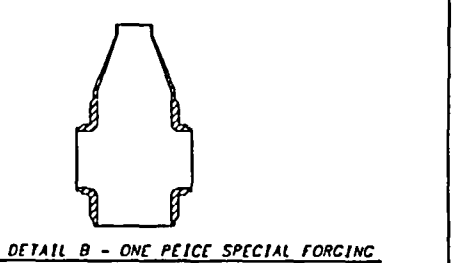
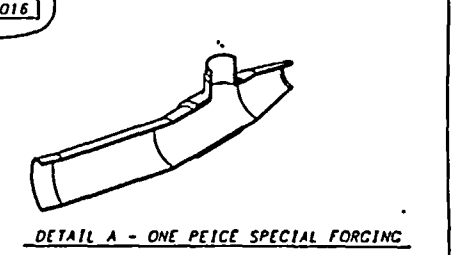
DESIGNED	AMER	DR PHILLIPS	NCH	RCO	RE-02
REVIEWED PER BINS	WHD	BIN	031202	101	
REV	CHANGE	REP	PREPARED	CHECKER	APPROVED
DATE	BY	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
FEEDWATER SYSTEM					
WELD LOCATIONS					
DRAWN	PRO	SUBMITTED	APPROVED	SCALE	DATE
DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE
CAD MAINTAINED DRAWING					
CCD					

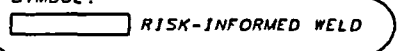


REFERENCE DRAWINGS:
 TVA 47K1544-J
 GE 153F754
 KELLOGG BF 2-180
 NOTE: THIS DRAWING SUPERSEDES
 CHM-2139-C ALL SHEETS

MATERIAL SPECIFICATIONS:
 A378, TP 304
 4" X 0.337" NOM WALL THK. (SS)
 28" X 1.138" NOM. WALL THK. (SS) SUCTION
 28" X 1.322" NOM. WALL THK. (SS) DISCHARGE
 SA403 WP316NG
 12" X 0.602" MIN. WALL
 22" INTEGRAL RED. TEE 0.980" MIN. WALL
 28" X 22" CROSS 0.980" MIN. WALL
 28" X 24" INTEGRAL TEE X 1.272" MIN. WALL

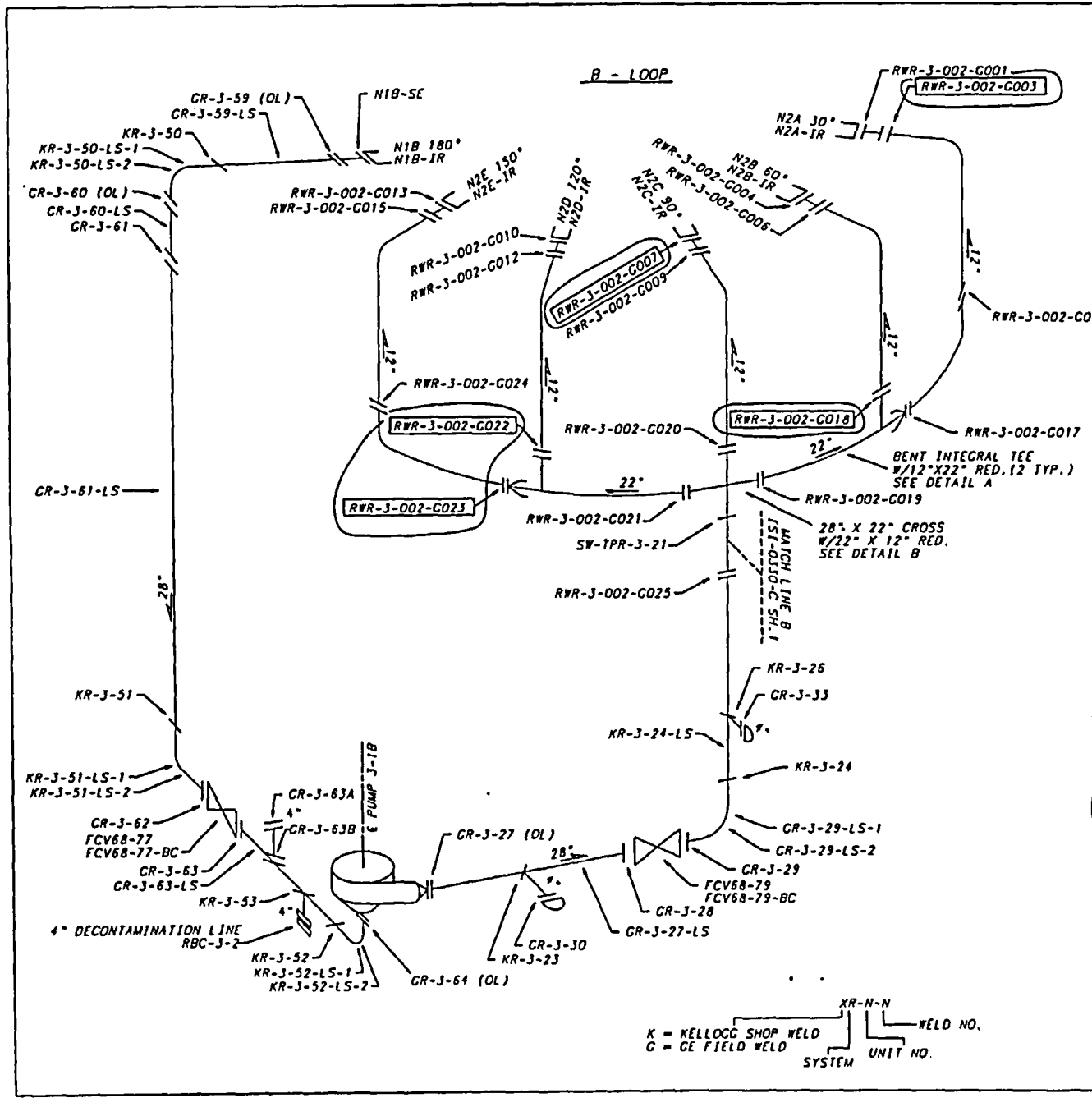
ASME CC-1 (EQUIVALENT)



SYMBOL:
 RISK-INFORMED WELD

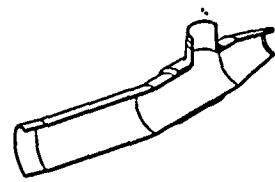
K = KELLOGG SHOP WELD
 G = GE FIELD WELD
 XR-N-N = WELD NO.
 SYSTEM UNIT NO.

001	ADDER	RC PHILLIPS	WCH	RLO	12-11-02
DESIGNED PER B1MG W/NO. 010 031202 103					
REV	CHANGE REF	PREFABER	CHECKER	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
RECIRCULATION SYSTEM					
WELD LOCATIONS					
Drawn: PWB	Submitted:	Approved:	Scale:	MIS	
Date: 0-0-01	Date: 1-18-02	Date: 1-18-02	Sheet 1	of 2 SHEETS	
Checked: JES	EDC	CR	Stamping No:	REV	
Date: 3-8-01			3-151-0328-C-001		
ALL A/D HISTORY RESEARCHED AT ROOD				CAD MAINTAINED DRAWING	
				CCD	

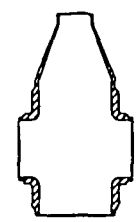


REFERENCE DRAWINGS:
 TVA 47K1544-3
 CE 153F754
 KELLOGG BF 2-180
 NOTE: THIS DRAWING SUPERSEDES
 CHW-2139-C ALL SHEETS

MATERIAL SPECIFICATIONS:
 A378, TP 304
 4" X 0.337" NOM WALL THK. (SS)
 28" X 1.138" NOM. WALL THK. (SS) SUCTION
 28" X 1.322" NOM. WALL THK. (SS) DISCHARGE
 SA403 WP316NG
 12" X 0.602" MIN. WALL
 22" INTEGRAL RED. TEE O. 980" MIN. WALL
 28" X 22" CROSS O. 980" MIN. WALL
 28" X 24" INTEGRAL TEE X 1.272" MIN. WALL
 ASME CC-1 (EQUIVALENT)



DETAIL A - ONE PIECE SPECIAL FORGING

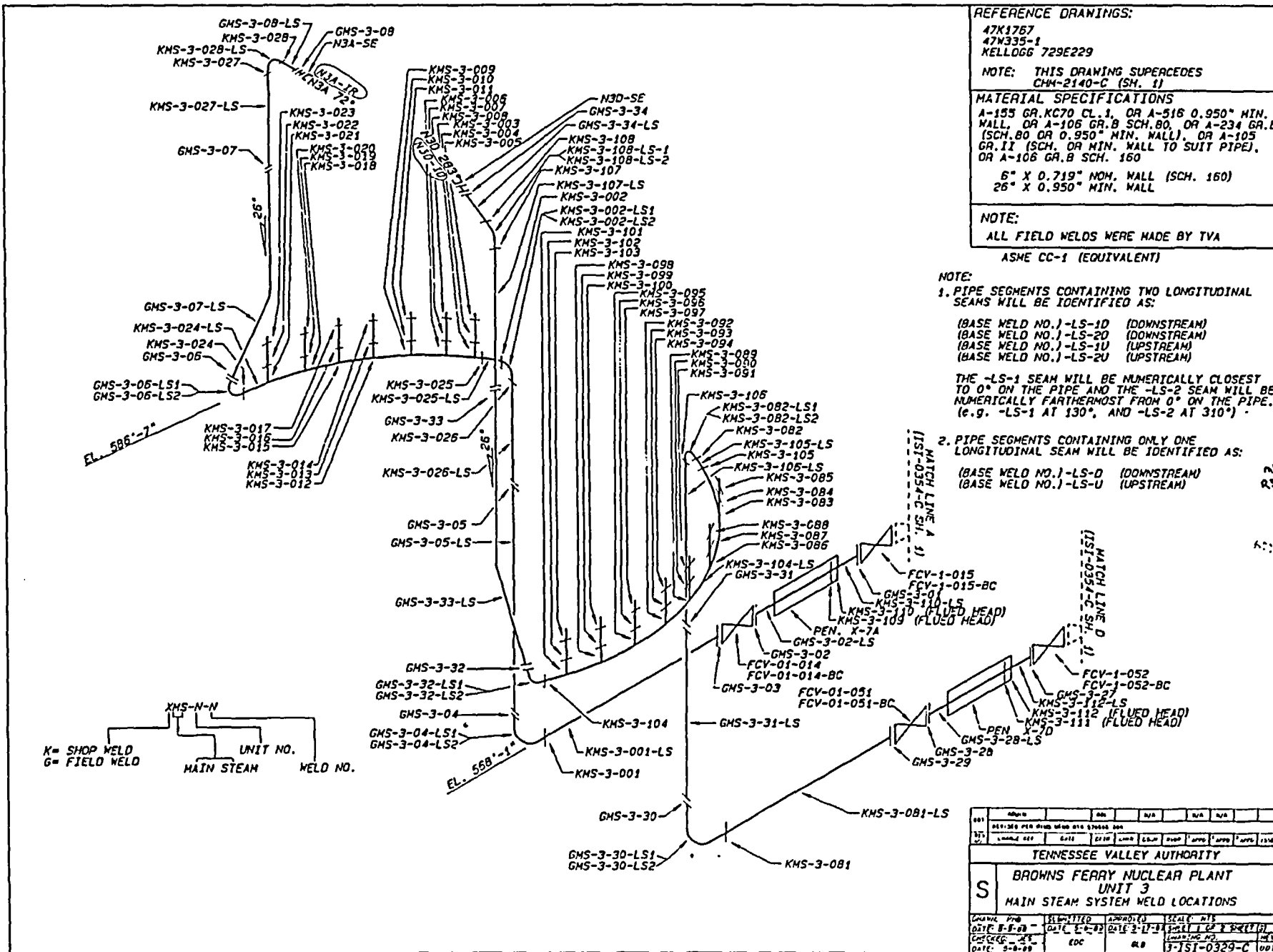


DETAIL B - ONE PIECE SPECIAL FORGING

SYMBOL:
 RISK-INFORMED WELD

001	ADW	DC PHILLIPS	WCH	RLO	12-11-08
REVISED PER BHS MEMO BIA 03100 104					
REV	CHANGE REF	PREPARED	CHECKED	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 RECIRCULATION SYSTEM WELD LOCATIONS					
DRW:	PHB	SUBMITTED	APPROVED	SCALE	N/A
DATE:	3-2-09	DATE:	3-2-09	SCALE:	2 1/2" = 1'-0"
DESIGNED:	JIS	DATE:	3-2-09	DRAWING NO.	1470
CHECKED:	JIS	DATE:	3-2-09	CD	3-151-0378-C1001
[CAD MAINTAINED DRAWING]					CCD

K = KELLOGG SHOP WELD
 G = GE FIELD WELD
 XR-N-N
 WELD NO.
 SYSTEM UNIT NO.



K = SHOP WELD
G = FIELD WELD

UNIT NO.
MAIN STEAM WELD NO.

REFERENCE DRAWINGS:
47K1767
47M335-1
KELLOGG 729E229

NOTE: THIS DRAWING SUPERCEDES
GM-2140-C (SH. 1)

MATERIAL SPECIFICATIONS
A-155 GR. KC70 CL. 1, OR A-516 0.950" MIN. WALL, OR A-106 GR. B SCH. 80, OR A-234 GR. B (SCH. 80 OR 0.950" MIN. WALL), OR A-105 GR. II (SCH. OR MIN. WALL TO SUIT PIPE), OR A-106 GR. B SCH. 160

6" X 0.719" NOM. WALL (SCH. 160)
26" X 0.950" MIN. WALL

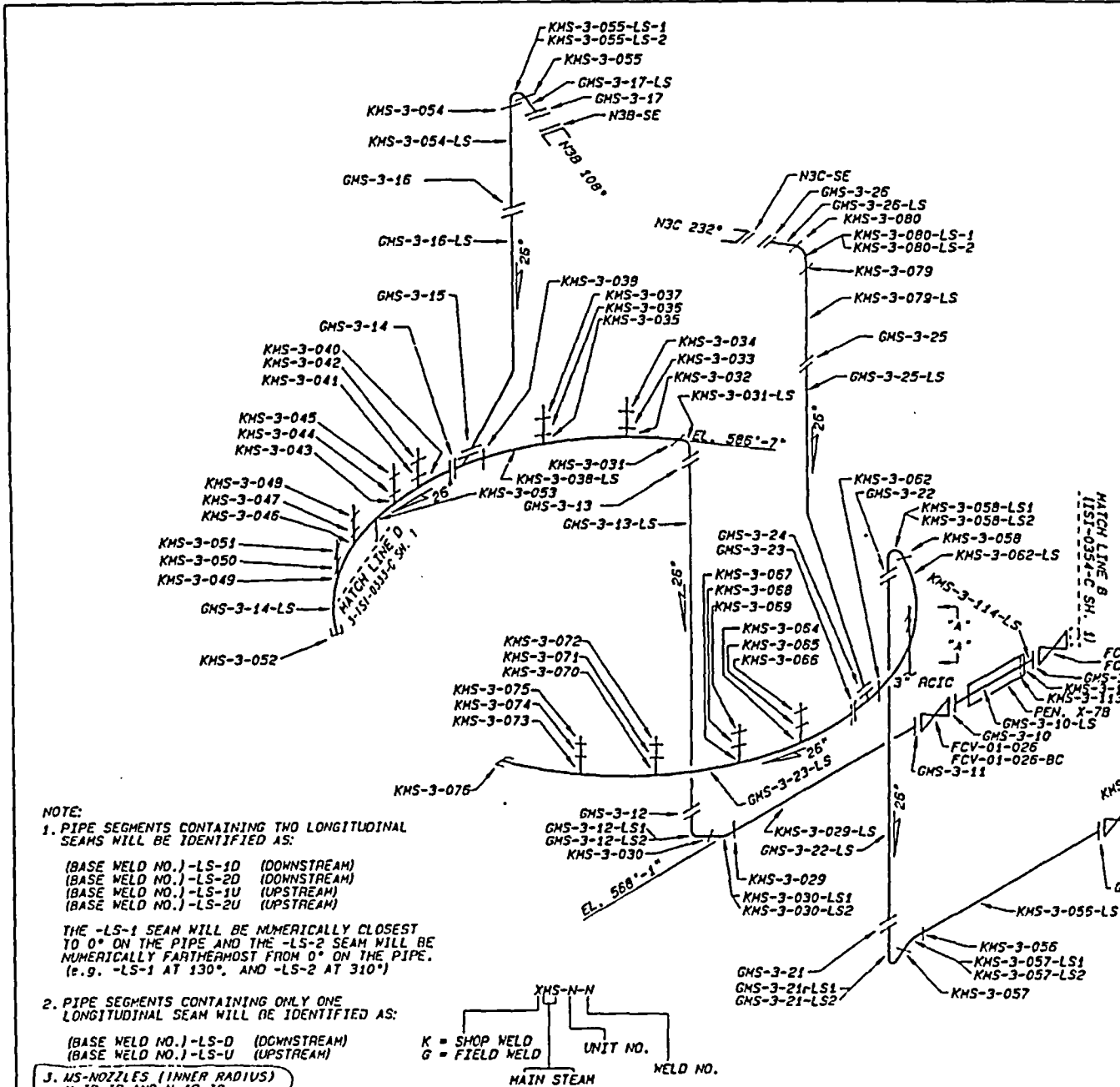
NOTE:
ALL FIELD WELDS WERE MADE BY TVA
ASME CC-1 (EQUIVALENT)

NOTE:
1. PIPE SEGMENTS CONTAINING TWO LONGITUDINAL SEAMS WILL BE IDENTIFIED AS:
(BASE WELD NO.)-LS-1D (DOWNSTREAM)
(BASE WELD NO.)-LS-20 (DOWNSTREAM)
(BASE WELD NO.)-LS-1U (UPSTREAM)
(BASE WELD NO.)-LS-2U (UPSTREAM)

THE -LS-1 SEAM WILL BE NUMERICALLY CLOSEST TO 0° ON THE PIPE AND THE -LS-2 SEAM WILL BE NUMERICALLY FARTHERMOST FROM 0° ON THE PIPE. (e.g. -LS-1 AT 130°, AND -LS-2 AT 310°)

2. PIPE SEGMENTS CONTAINING ONLY ONE LONGITUDINAL SEAM WILL BE IDENTIFIED AS:
(BASE WELD NO.)-LS-D (DOWNSTREAM)
(BASE WELD NO.)-LS-U (UPSTREAM)

DATE	BY	CHKD	APP'D	SCALE	REV
11/15/88	...	...	...	...	...
TENNESSEE VALLEY AUTHORITY					
S BROWNS FERRY NUCLEAR PLANT UNIT 3 MAIN STEAM SYSTEM WELD LOCATIONS					
CONV. FROM	ISSUED	APPROVED	SCALE	REV	
DATE 8-8-88	DATE 1-1-89	DATE 2-17-89	SCALE 1/2" = 1'-0"	REV 1	
CONTR. NO. 21	DOC	MR	3-151-0329-C	1001	
DATE 3-8-89					



NOTE:
 1. PIPE SEGMENTS CONTAINING TWO LONGITUDINAL SEAMS WILL BE IDENTIFIED AS:
 (BASE WELD NO.)-LS-1D (DOWNSTREAM)
 (BASE WELD NO.)-LS-2D (DOWNSTREAM)
 (BASE WELD NO.)-LS-1U (UPSTREAM)
 (BASE WELD NO.)-LS-2U (UPSTREAM)
 THE -LS-1 SEAM WILL BE NUMERICALLY CLOSEST TO 0° ON THE PIPE AND THE -LS-2 SEAM WILL BE NUMERICALLY FARTHERMOST FROM 0° ON THE PIPE. (E.G. -LS-1 AT 130°, AND -LS-2 AT 310°)

2. PIPE SEGMENTS CONTAINING ONLY ONE LONGITUDINAL SEAM WILL BE IDENTIFIED AS:
 (BASE WELD NO.)-LS-D (DOWNSTREAM)
 (BASE WELD NO.)-LS-U (UPSTREAM)

J. MS-NOZZLES (INNER RADIUS) N-3D-1R AND N-3C-1R

K = SHOP WELD
 G = FIELD WELD
 UNIT NO.
 WELD NO.
 MAIN STEAM

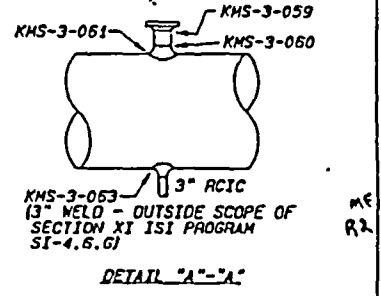
REFERENCE DRAWINGS:
 47K1767
 47N335-1
 KELLOG 729E229

NOTE: THIS DRAWING SUPERCEDES CHM-2140-C (SH. 2)

MATERIAL SPECIFICATIONS:
 A-155 GR. KC70 CL. 1, OR A-516 0.950" MIN. WALL, OR A-106 GR. B SCH. 80, OR A-234 GR. B (SCH. 80 OR 0.950" MIN. WALL), OR A-105 GR. II (SCH. OR MIN. WALL TO SUIT PIPE), OR A-106 GR. B SCH. 160

6" X 0.219" NOM. WALL (SCH. 160)
 10" X 0.394" NOM. WALL (SCH. 80)
 24" X 0.950" MIN. WALL

NOTES:
 ALL FIELD WELDS WERE MADE BY TVA
 ASME CC-1 (EQUIVALENT)



REV	DATE	BY	CHKD	APPD	DESC
1	3-15-88	EDC	GLB		ISSUED FOR CONSTRUCTION
2	6-13-88	EDC	GLB		REVISED TO ADD N-3D-1R AND N-3C-1R

TENNESSEE VALLEY AUTHORITY
 BROWNS FERRY NUCLEAR PLANT
 UNIT 3
 MAIN STEAM SYSTEM WELD LOCATIONS

Drawn: JMB
 Date: 8-13-88
 Scale: 1/8" = 1'-0"
 Checked: JMB
 Date: 6-13-88
 Approved: EDC
 Date: 6-13-88
 Scale: 1/8" = 1'-0"
 Drawing No.: 3-151-0329-C
 1000

NOTE:

- PIPE SEGMENTS CONTAINING TWO LONGITUDINAL SEAMS WILL BE IDENTIFIED AS:

(BASE WELD NO.)-LS-1D (DOWNSTREAM)
 (BASE WELD NO.)-LS-2D (DOWNSTREAM)
 (BASE WELD NO.)-LS-1U (UPSTREAM)
 (BASE WELD NO.)-LS-2U (UPSTREAM)

THE -LS-1 SEAM WILL BE NUMERICALLY CLOSEST TO 0° ON THE PIPE, AND THE -LS-2 SEAM WILL BE NUMERICALLY FARTHERMOST FROM 0° ON THE PIPE. (e.g. -LS-1 AT 130°, AND -LS-2 AT 310°)

- PIPE SEGMENTS CONTAINING ONLY ONE LONGITUDINAL SEAM WILL BE IDENTIFIED AS

(BASE WELD NO.)-LS-D (DOWNSTREAM)
 (BASE WELD NO.)-LS-U (UPSTREAM)

REFERENCE DRAWINGS:

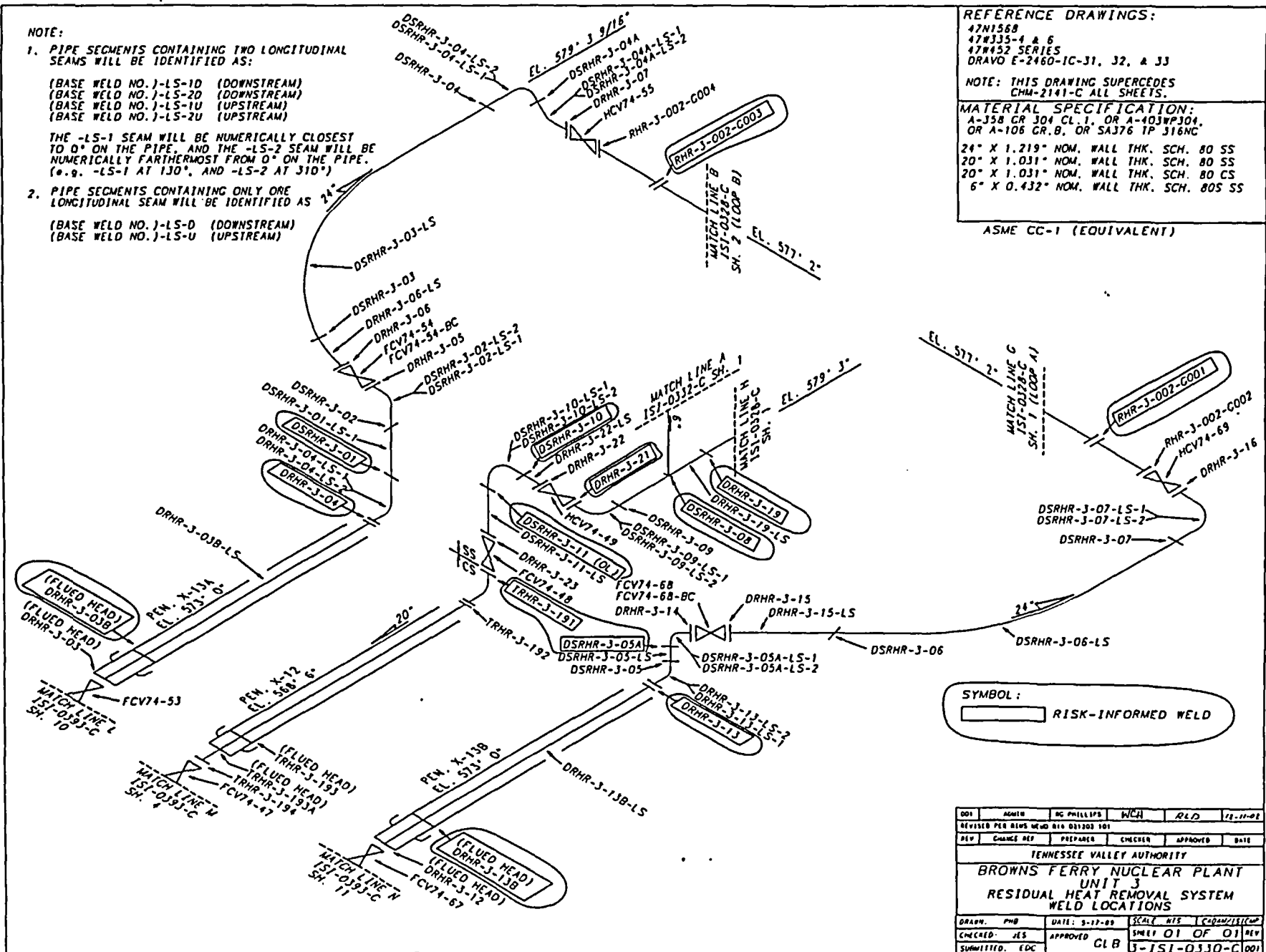
47N1568
 47W335-4 & 6
 47W452 SERIES
 DRAVO E-2460-1C-J1, J2, & J3

NOTE: THIS DRAWING SUPERCEDES CHM-2141-C ALL SHEETS.

MATERIAL SPECIFICATION:

A-358 CR 304 CL 1, OR A-403WP304,
 OR A-106 CR.B, OR SA376 1P 316NC
 24" X 1.219" NOM. WALL THK. SCH. 80 SS
 20" X 1.031" NOM. WALL THK. SCH. 80 SS
 20" X 1.031" NOM. WALL THK. SCH. 80 CS
 6" X 0.432" NOM. WALL THK. SCH. 80S SS

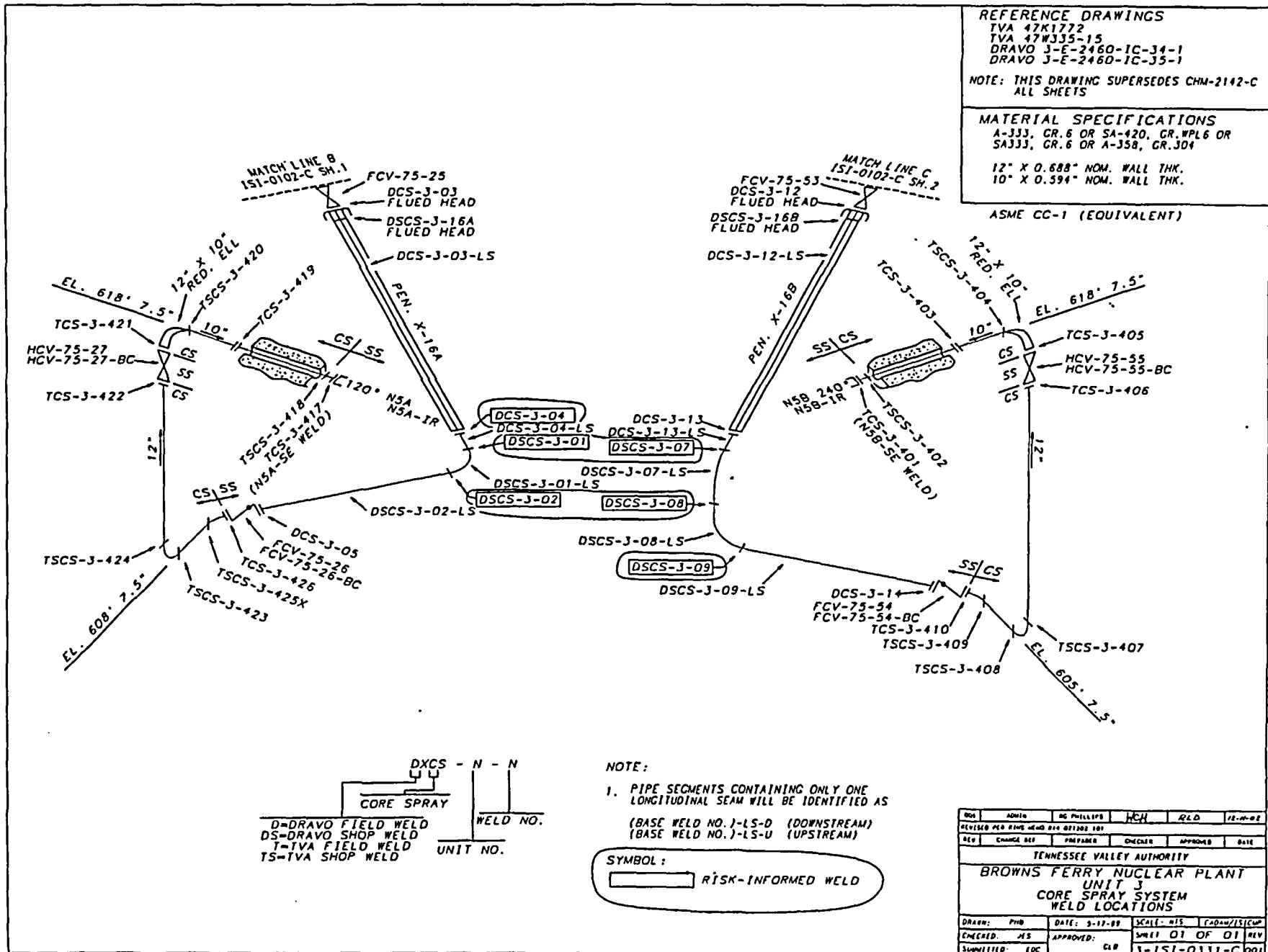
ASME CC-1 (EQUIVALENT)



Page 99 of 145

DOI	ADMIN	DC PHILLIPS	WCH	RLD	12-11-02
REVISED PER BHS MEMO 010 031003 101					
REV	CHANGE REF	PREPARED	CHECKER	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
RESIDUAL HEAT REMOVAL SYSTEM					
WELD LOCATIONS					
DRAWN	PHB	DATE: 9-17-09	SCALE: NTS	CADW/JS/CP	
CHECKED	JES	APPROVED	SHEET 01 OF 01	REV	
SUBMITTED	EDC	CLB	J-151-0330-C	DOI	
[CAD MAINTAINED DRAWING]					
CCD					

ALL A/D HISTORY RESEARCHED AT 8000



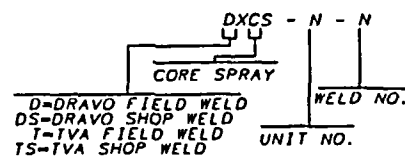
REFERENCE DRAWINGS
 TVA 47K1772
 TVA 47W335-15
 DRAVO J-E-2460-1C-34-1
 DRAVO J-E-2460-1C-35-1

NOTE: THIS DRAWING SUPERSEDES CHM-2142-C ALL SHEETS

MATERIAL SPECIFICATIONS
 A-333, GR. 6 OR SA-420, GR. WPL6 OR SA333, GR. 6 OR A-358, GR. 304

12" X 0.688" NOM. WALL THK.
 10" X 0.594" NOM. WALL THK.

ASME CC-1 (EQUIVALENT)



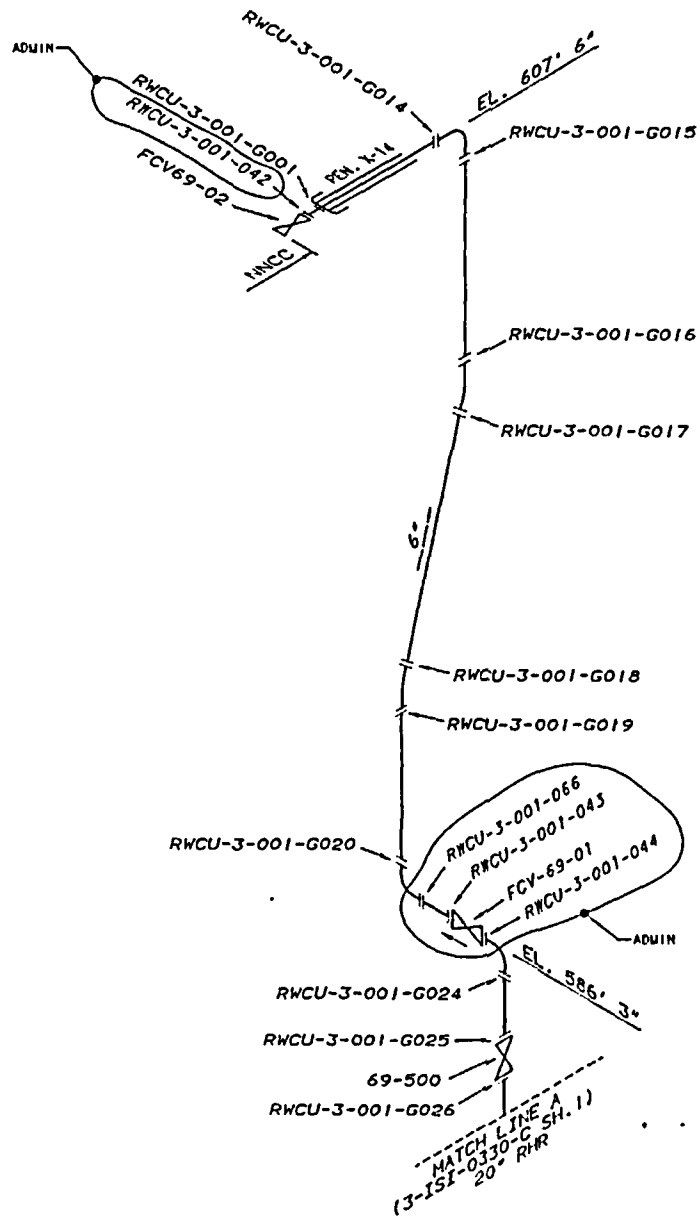
NOTE:

1. PIPE SEGMENTS CONTAINING ONLY ONE LONGITUDINAL SEAM WILL BE IDENTIFIED AS (BASE WELD NO.)-LS-D (DOWNSTREAM) (BASE WELD NO.)-LS-U (UPSTREAM)

SYMBOL:

RISK-INFORMED WELD

NO.	ADVIS.	RE PHILLIPS	HCN	RLD	12.11.02
REVISED PER DRAVO HEAD BSA 02102 101					
REV	CHANGE DES	PREPARED	CHECKER	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 CORE SPRAY SYSTEM WELD LOCATIONS					
DRAWN:	PHB	DATE:	5-17-89	SCALE:	NIS (AS SHOWN)
CHECKED:	NIS	APPROVED:		SHEET	01 OF 01 REV
SUBMITTED:	EDC	CLP		3-151-0331-C 001	
CAD MAINTAINED DRAWING					CCD



REFERENCE DRAWINGS

RWCU-3-001 (TYA WELD MAP)

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

MATERIAL SPECIFICATIONS

FITTINGS

6" SA403 WP316NG SCH. 80

PIPING

6" SA376 TP316NG SCH. 80

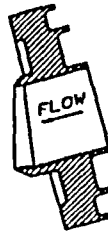
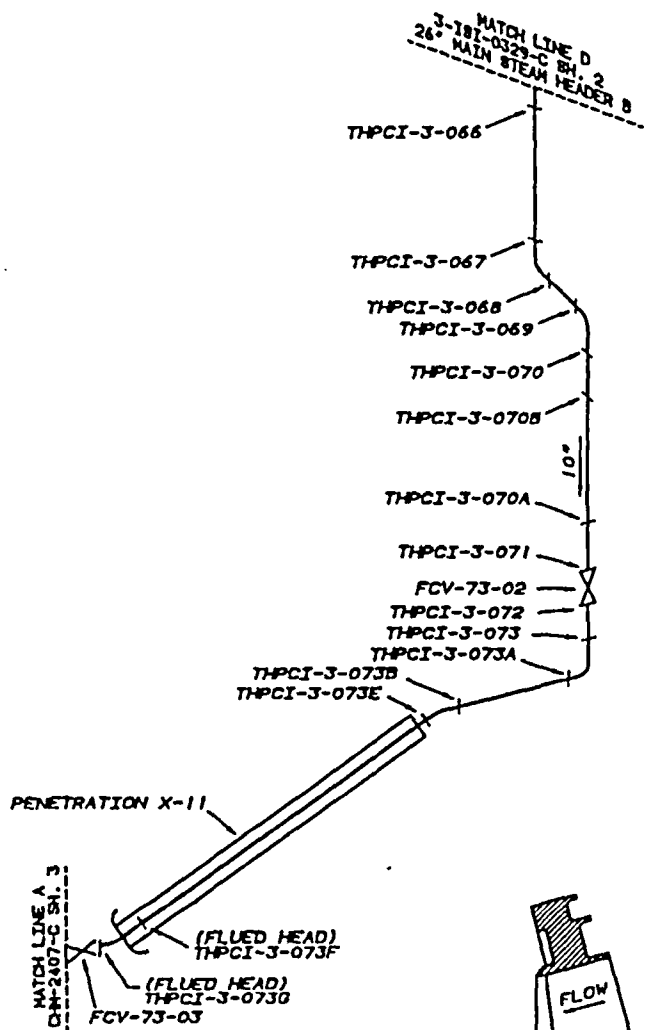
ASME CC-1 (EQUIVALENT)

NO	DATE/REV	BY	APP	REV	DATE
ISSUED TO CREATE ELD. SUPERSEDES AFD 151-0332-C-1 803 AND TO REPLACE AS-UNSTRUCTURED STATUS FOR AFD 80-82. REVISED PER RIMS MEMO 821 28103 003 (ADMINISTRATIVE REVISION)					
REV	CHANGE REF	PREPARED	CHECKED	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 REACTOR WATER CLEAN UP, RCIC, AND CRD WELD IDENTIFICATION					
DATE	BY	DATE	SCALE	REVISION	DESCRIPTION
CHECKED: JES	APPROVED:	DATE: 3-17-89	SCALE: NIS	SHEET 01 OF 02	MEMO
REVISIONS: ITC	DATE:	BY:	SCALE:	REVISION:	DESCRIPTION:

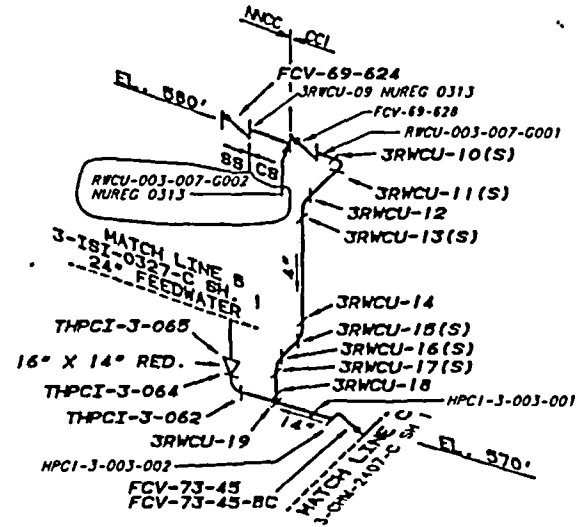
CCD

REFERENCE DRAWINGS
 TVA 47W335-11
 TVA 47W335-12
 TVA 47K1647
 3-151-0335-C (SH. 1) SUPPORT MAP
NOTE: THIS DRAWING SUPERSEDES CHM-2145-C ALL SHEETS

MATERIAL SPECIFICATIONS
 (S) - DESIGNATES SHOP WELD
 16" X 1.031" NOM. WALL THK, CS
 14" X 0.938" NOM. WALL THK, CS
 10" X 0.593" NOM. WALL THK, CS
 4" X 0.375" NOM. WALL THK, CS
 ASME CC-1 (EQUIVALENT)

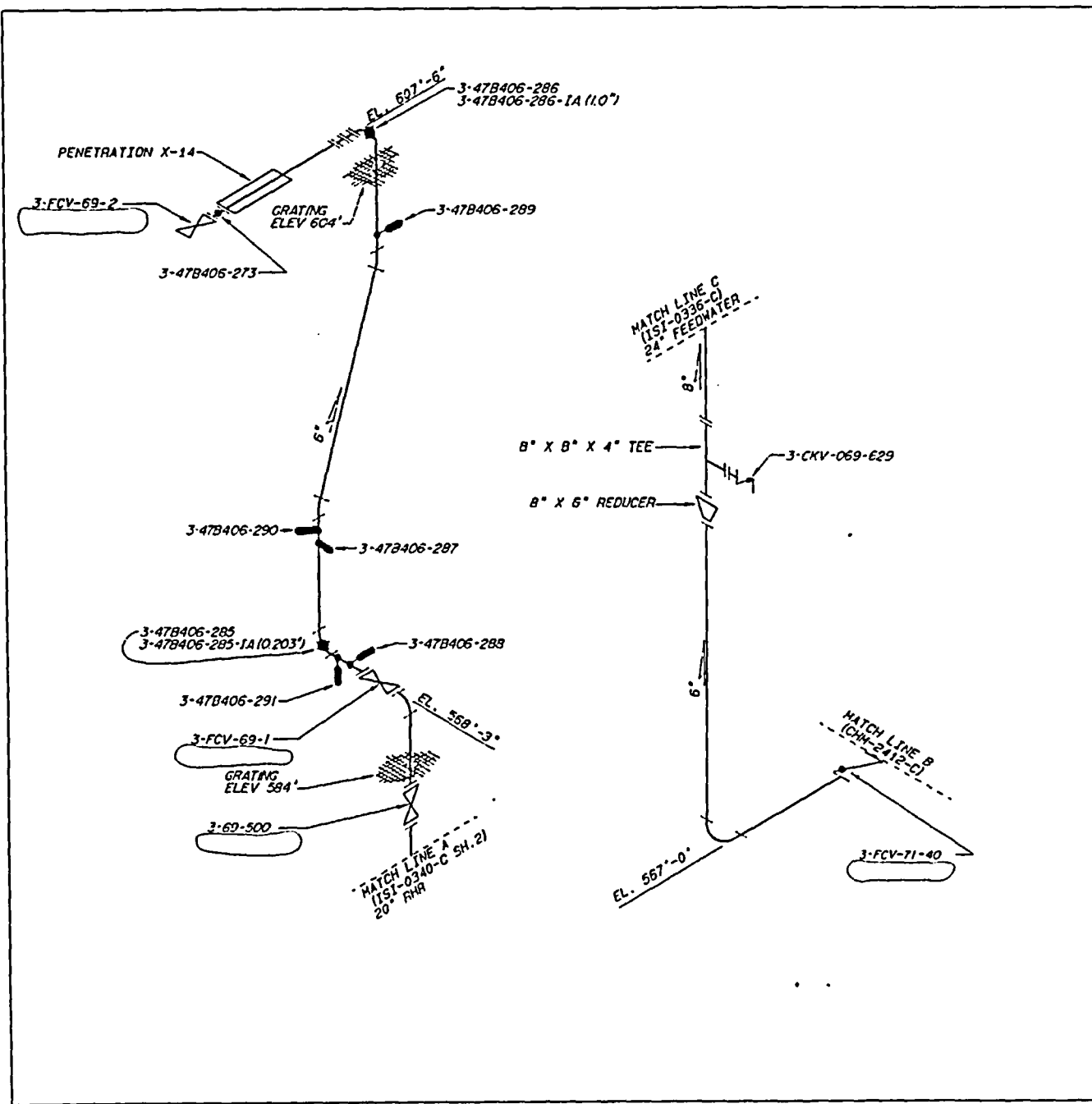


SECTION THRU FLUED HEAD



220

003	ADMIN	AK	WCH	ALD	6-11-89	
REVISED PER BINS MEMO R21 000309 001						
REV	CHANCE	REF	PREPARED	CHECKED	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY						
BROWNS FERRY NUCLEAR PLANT						
UNIT 3						
HPCI AND RWCU SYSTEMS						
WELD LOCATIONS						
DRAWN:	PNB	DATE:	8-19-89	SCALE:	AS SHOWN	
CHECKED:	JET	APPROVED:	ELB	SHEET	01 OF 01 REV	
SUBMITTED:	EDC			3-151-0333-C	003	
CAD MAINTAINED DRAWING					CCD	



REFERENCE DRAWINGS:
 TVA 47N335-14
 TVA 47N335-17
 TVA 47K177B
 ISI-0332-C (SH. 1) WELD MAP

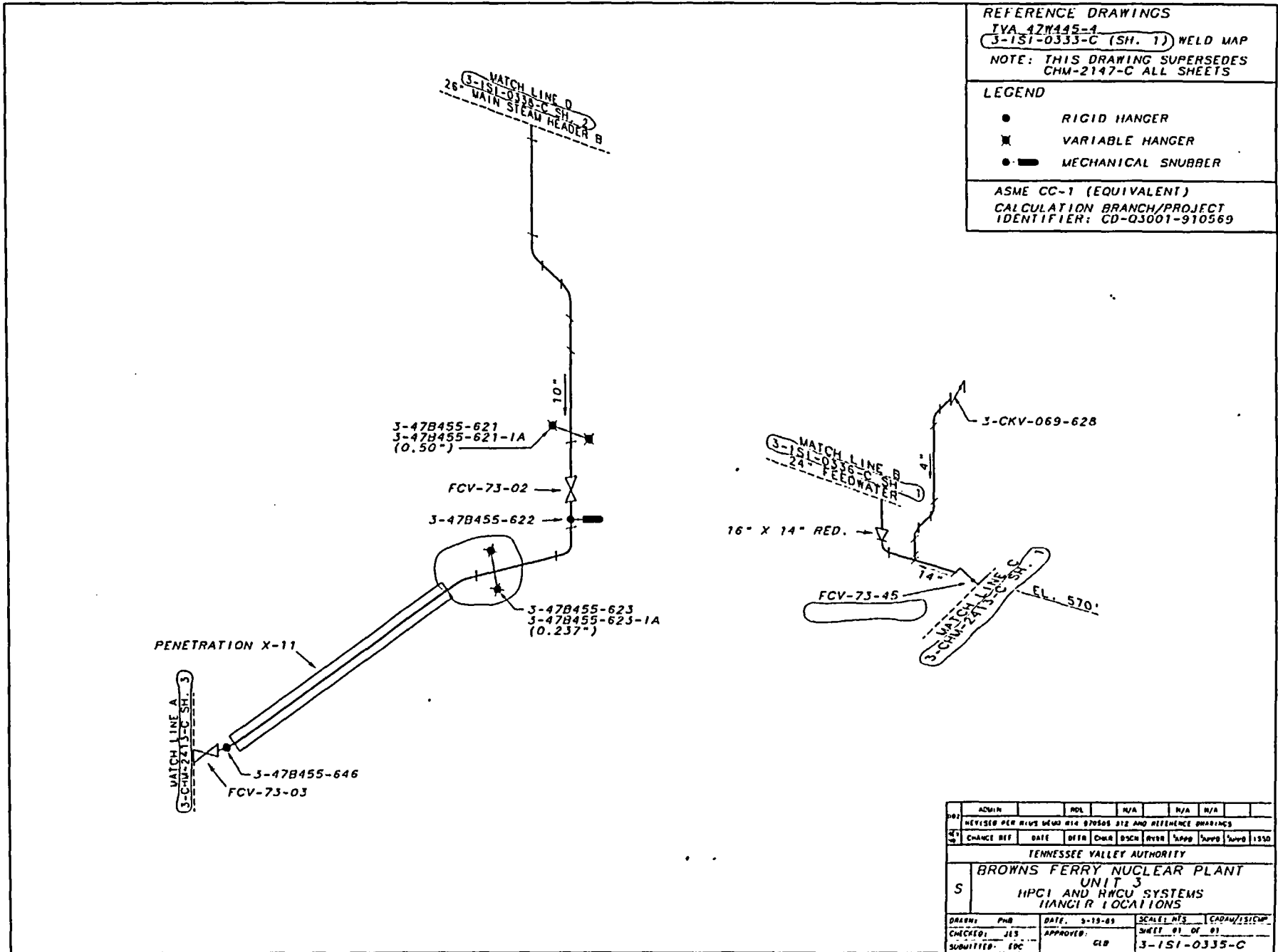
NOTE: THIS DRAWING SUPERCEDES CHN-2146-C ALL SHEETS.

LEGEND:
 ● RIGID STRUT
 ○ RIGID HANGER
 ✕ VARIABLE HANGER
 ● MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT IDENTIFIER
 CD-03069-922776
 CD-03069-922490

ASME CC-1 (EQUIVALENT)

NO.	REVISED PER	DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY
001	REVISED PER 8108 W/010 070505 000								
TENNESSEE VALLEY AUTHORITY DIVISION OF NUCLEAR ENGINEERING BROWNS FERRY NUCLEAR PLANT UNIT 3 REACTOR WATER CLEAN UP AND RCIC SUPPORT IDENTIFICATION									
DATE:	3-19-80	DATE:	3-22-80	DATE:	3-22-80	DATE:	3-22-80	DATE:	3-22-80
ENGINEER:	AS	ENGINEER:	EOC	ENGINEER:	CLB	ENGINEER:	3-151-0334-C	ENGINEER:	001

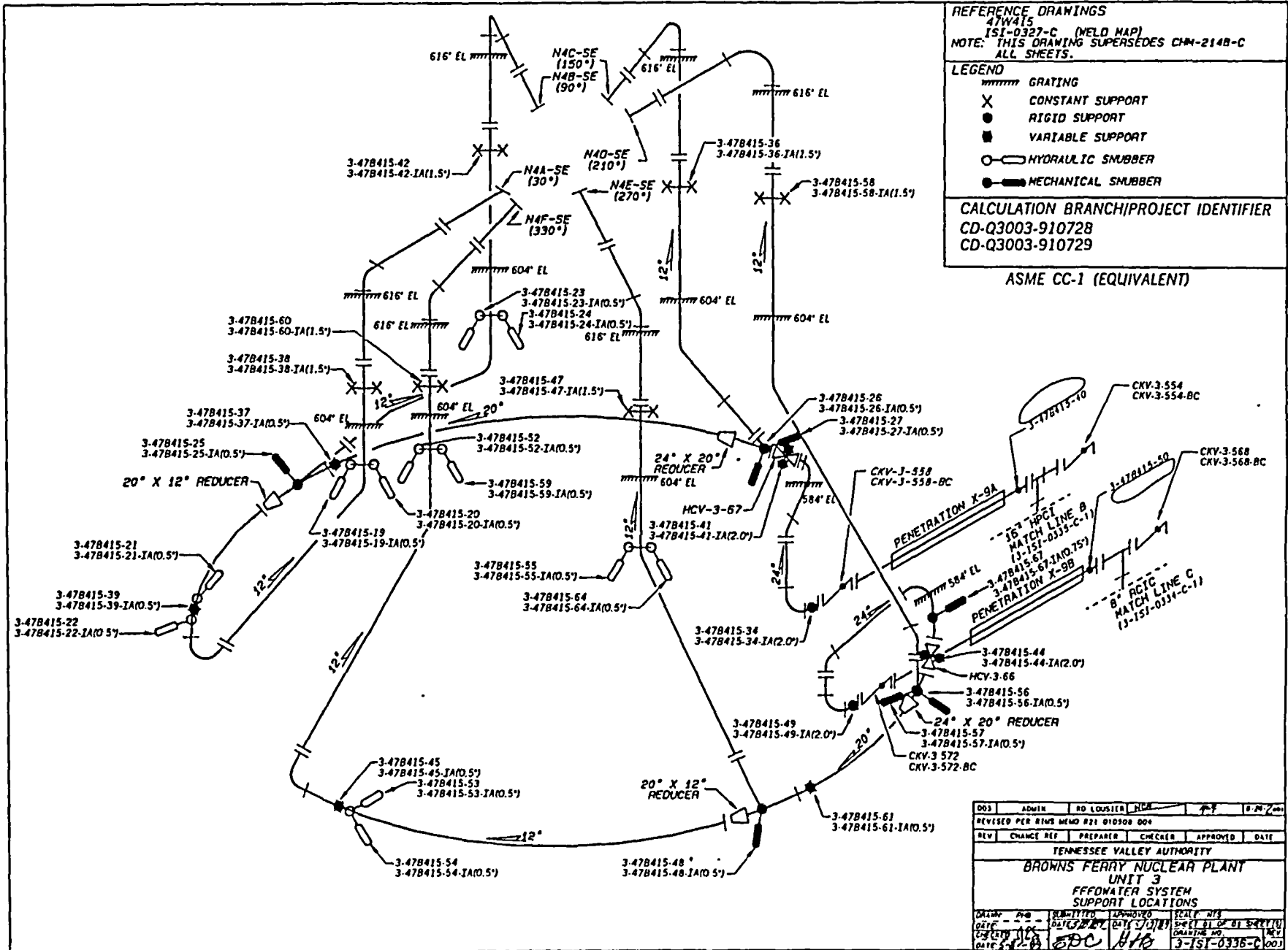


REFERENCE DRAWINGS
 TVA 47M445-4
 3-151-0333-C (SH. 1) WELDED MAP
 NOTE: THIS DRAWING SUPERSEDES
 CHM-2147-C ALL SHEETS

LEGEND
 ● RIGID HANGER
 ✕ VARIABLE HANGER
 ● MECHANICAL SNUBBER

ASME CC-1 (EQUIVALENT)
 CALCULATION BRANCH/PROJECT
 IDENTIFIER: CD-Q3001-910569

ADMIN	ROL	N/A	N/A	N/A	N/A
REVISED PER NRC DEED R14 870565 R12 AND REFERENCE DRAWINGS					
CHANGE REF	DATE	DEFR	CHGR	DSCH	APPR
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 HPCI AND HRCU SYSTEMS HANGER LOCATIONS					
DRAWN: PNB	DATE: 3-19-89	SCALE: NTS	CADAW/151/EMP		
CHECKED: JES	APPROVED: GLO	SHEET 01 OF 01			
SUBMITTED: EDC		3-151-0333-C			
				CCD	R002



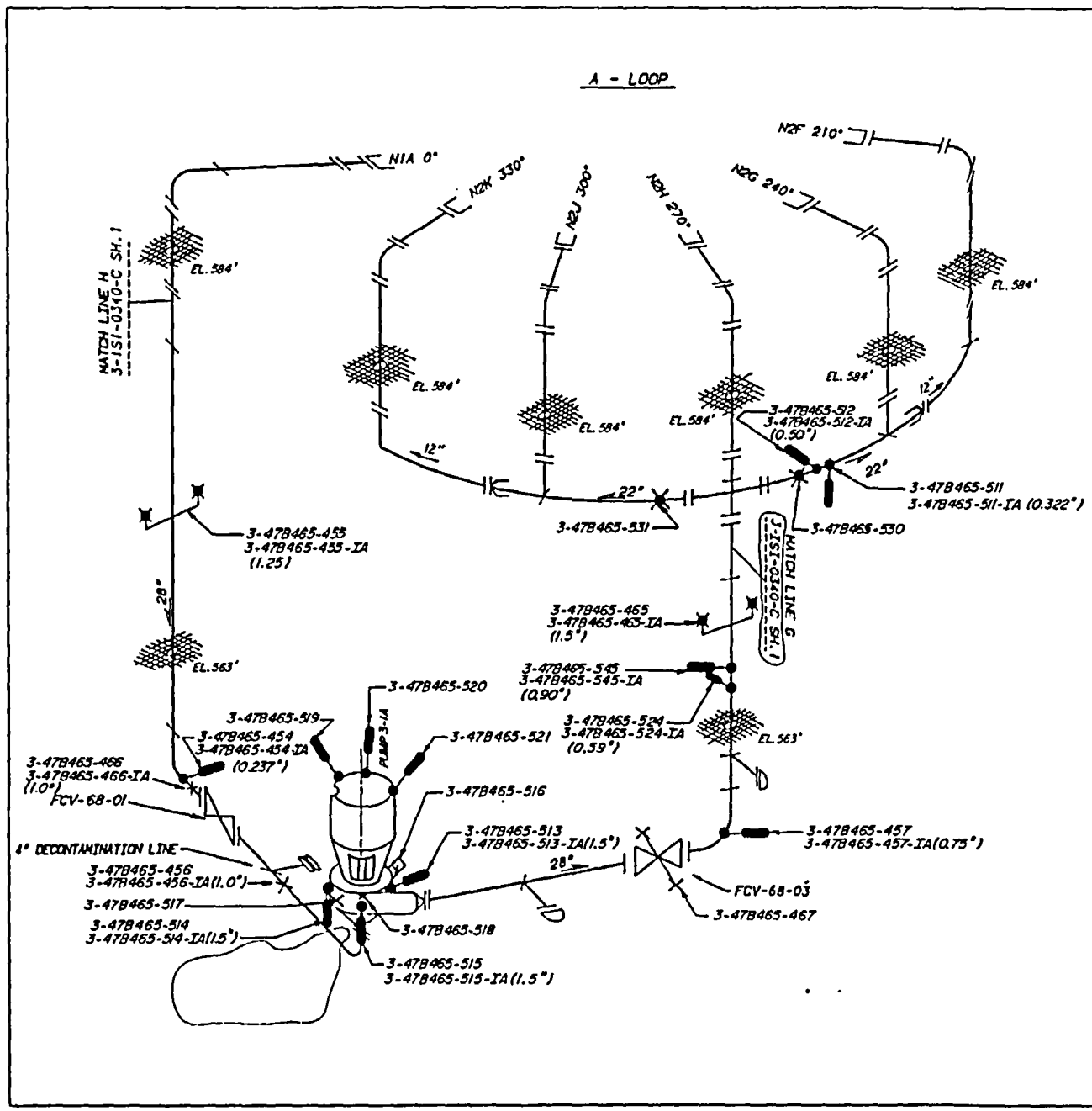
REFERENCE DRAWINGS
 47B415
 ISI-0327-C (WELD MAP)
 NOTE: THIS DRAWING SUPERSEDES CHN-214B-C
 ALL SHEETS.

- LEGEND
- ▤ GRATING
 - X CONSTANT SUPPORT
 - RIGID SUPPORT
 - ⊥ VARIABLE SUPPORT
 - HYDRAULIC SNUBBER
 - MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT IDENTIFIER
 CD-Q3003-910728
 CD-Q3003-910729

ASME CC-1 (EQUIVALENT)

DO3	ADMIN	RD LOUISIER	HUA	✓	12/7/00
REVISED PER RIMS MEMO R21 010308 004					
REV	CHANGE REF	PREPARED	CHECKER	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
FFLOWATER SYSTEM					
SUPPORT LOCATIONS					
DATE	BY	REVISION	APPROVED	SCALE	FILE NO.
DATE 3-15-01	BY EDC	REVISION	APPROVED HJB	SCALE 1" = 10'	FILE NO. 3-151-0333-C-1
CAD MAINTAINED DRAWING					CCD



REFERENCE DRAWINGS:
 GE 769E161
 TVA 47K1544-3
 CCF 3-151752
 KELLOGG BF 2-180
 NOTE: THIS DRAWING SUPERSEDES
 CH-2149-C ALL SHEETS

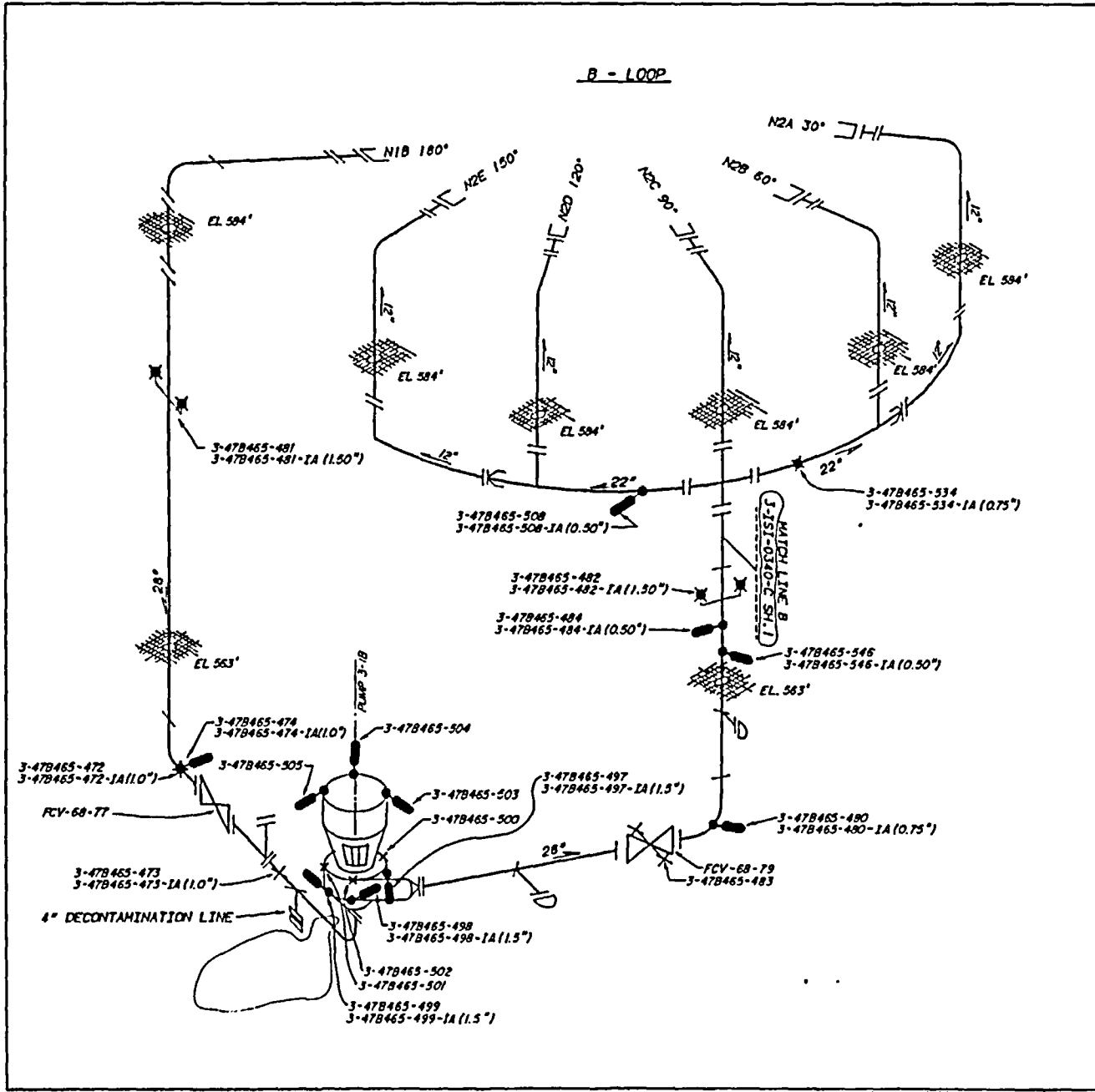
LEGEND:

 ○ MECHANICAL SNUBBER
 ● RIGID SUPPORT
 ✕ VARIABLE SUPPORT
 ✕ CONSTANT FORCE SUPPORT

CALCULATION BRANCH PROJECT IDENTIFIER
 CD-Q3068-922490
 ASME CC-1 (EQUIVALENT)

ADMIN	4-23-87	MDL	J1	N/A	MR/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DESIGNED BY	...	CHECKED BY	...	DATE	...	SCALE	...	SHEET NO.	...	TOTAL SHEETS	...	PROJECT NO.	...	DATE	...	...	...	...	...
Tennessee Valley Authority DIVISION OF NUCLEAR ENGINEERING																			
BROWNS FERRY NUCLEAR PLANT UNIT 3 RECIRCULATION SYSTEM SUPPORT LOCATIONS																			
DATE	...	SCALE	...	DATE	...	SCALE	...	SHEET NO.	...	TOTAL SHEETS	...	PROJECT NO.	...	DATE	...	...	...	...	...
DATE	...	SCALE	...	DATE	...	SCALE	...	SHEET NO.	...	TOTAL SHEETS	...	PROJECT NO.	...	DATE	...	...	...	...	...

MF
R000



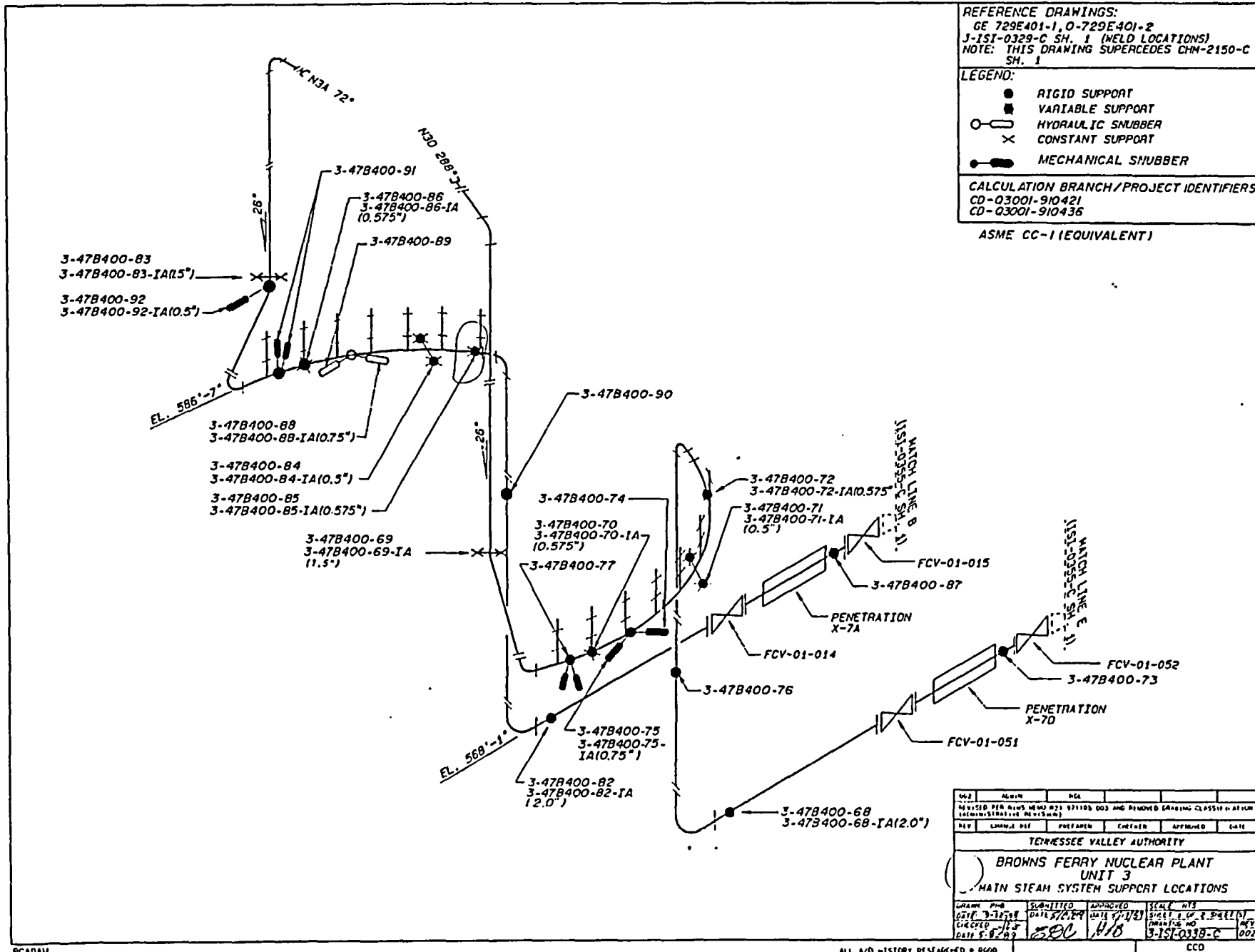
REFERENCE DRAWINGS:
 TVA 47K1544-J
 GE 729E461
 KELLOGG BF 2-180
 NOTE: THIS DRAWING SUPERSEDES
 CFM-2149-C ALL SHEETS

LEGEND:
 ● RIGID SUPPORT
 ⊗ VARIABLE SUPPORT
 — MECHANICAL SLUBBER
 ⊗ CONSTANT FORCE SUPPORT (CF)
 — RIGID STRUT

CALCULATION BRANCH/PROJECT IDENTIFIER:
 CD-03068-922489
 ASME-CC-1 (EQUIVALENT)

115
105

REV	DATE	BY	CHK	APP	DATE	BY	CHK	APP	DATE	BY	CHK	APP
001	01/11/87	...	...	...	...	...	...	...	...	...	...	...
TENSESSEE VALLEY AUTHORITY DIVISION OF NUCLEAR ENGINEERING												
BROWNS FERRY NUCLEAR PLANT UNIT 3 RECIRCULATION SYSTEM SUPPORT LOCATIONS												
DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE
01/11/87	...	...	...	...	...	...	...	...	...	...	...	...
S 3-151-0337-C 001												



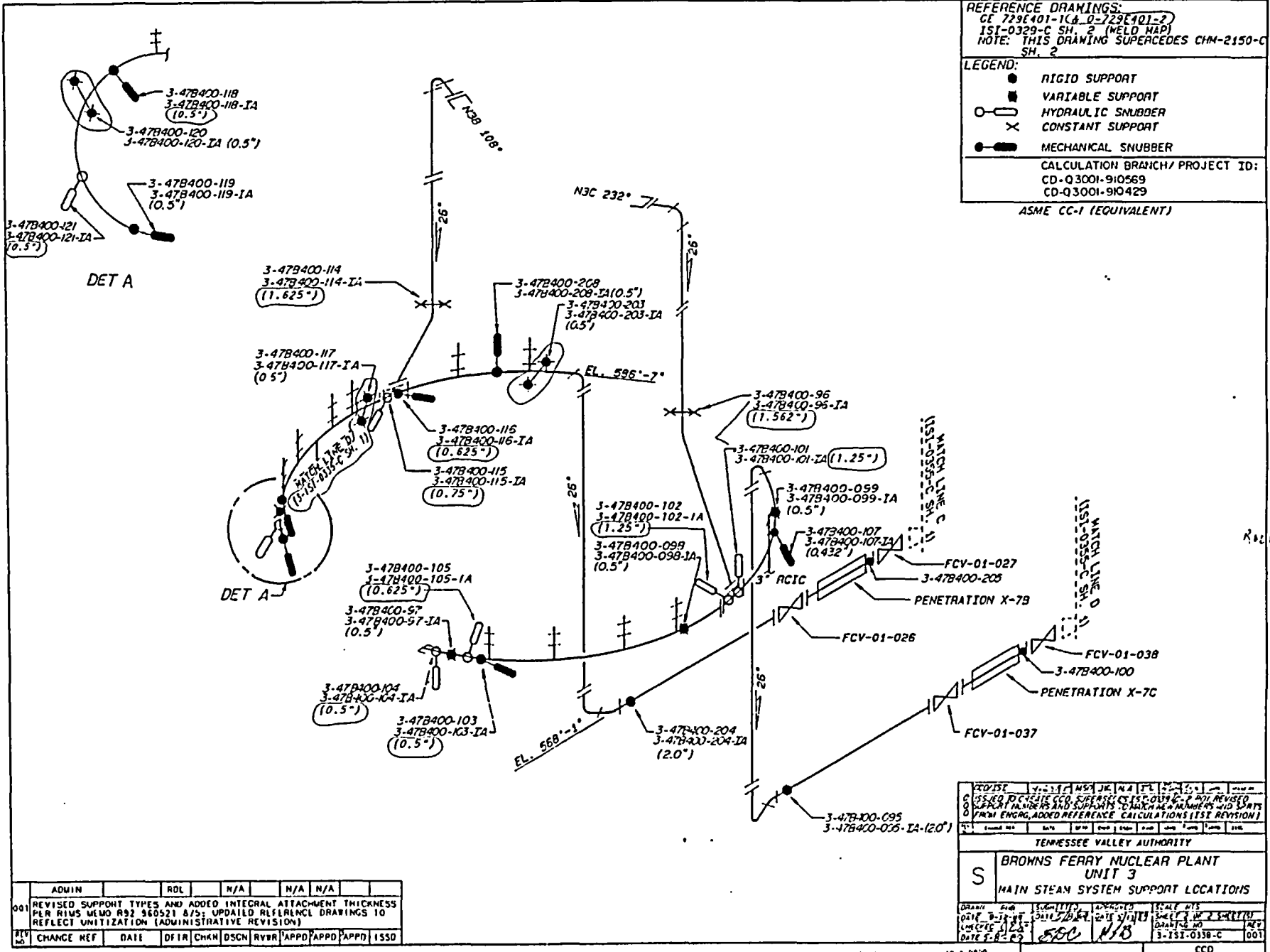
REFERENCE DRAWINGS:
 GE 729E401-1, 0-729E401-2
 J-151-0329-C SH. 1 (WELD LOCATIONS)
 NOTE: THIS DRAWING SUPERCEDES CHN-2150-C SH. 1

LEGEND:
 ● RIGID SUPPORT
 ■ VARIABLE SUPPORT
 ○ HYDRAULIC SNUBBER
 X CONSTANT SUPPORT
 ○ MECHANICAL SNUBBER

CALCULATION BRANCH / PROJECT IDENTIFIERS:
 CD-03001-910421
 CD-03001-910436

ASME CC-1 (EQUIVALENT)

DATE	ACORN	NSA	DATE	NSA	DATE	NSA
REVISED PER AIAA MEMO DTS 131108 D03 AND REMOVED EXISTING CLASSIFICATION (ADMINISTRATIVE PURPOSES)						
BY	LMAN:J DIF	PREPARED	ENGINEER	APPROVED	DATE	
TENNESSEE VALLEY AUTHORITY						
BROWNS FERRY NUCLEAR PLANT UNIT 3 MAIN STEAM SYSTEM SUPPORT LOCATIONS						
DATE	BY	DATE	BY	DATE	BY	DATE
DATE 3-15-78	DATE 5/1/78	DATE 5/1/78	DATE 5/1/78	DATE 5/1/78	DATE 5/1/78	DATE 5/1/78
CHECKED	DATE	DATE	DATE	DATE	DATE	DATE
DATE 5-8-89	580	118				
DRAWING NO. 3-151-0329-C						002
CCD						



REFERENCE DRAWINGS:
 CF 729401-1 (A-D) 729401-2
 151-0329-C SH. 2 (WELD MAP)
 NOTE: THIS DRAWING SUPERCEDES CHM-2150-C SH. 2

LEGEND:
 ● RIGID SUPPORT
 ■ VARIABLE SUPPORT
 ○ HYDRAULIC SNUBBER
 × CONSTANT SUPPORT
 ● MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT ID:
 CD-Q3001-910569
 CD-Q3001-910429

ASME CC-1 (EQUIVALENT)

REV	NO	CHANGE REF	DATE	DFIR	CHKR	DISCN	RVBR	APPD	APPD	APPD	ISSD
001											

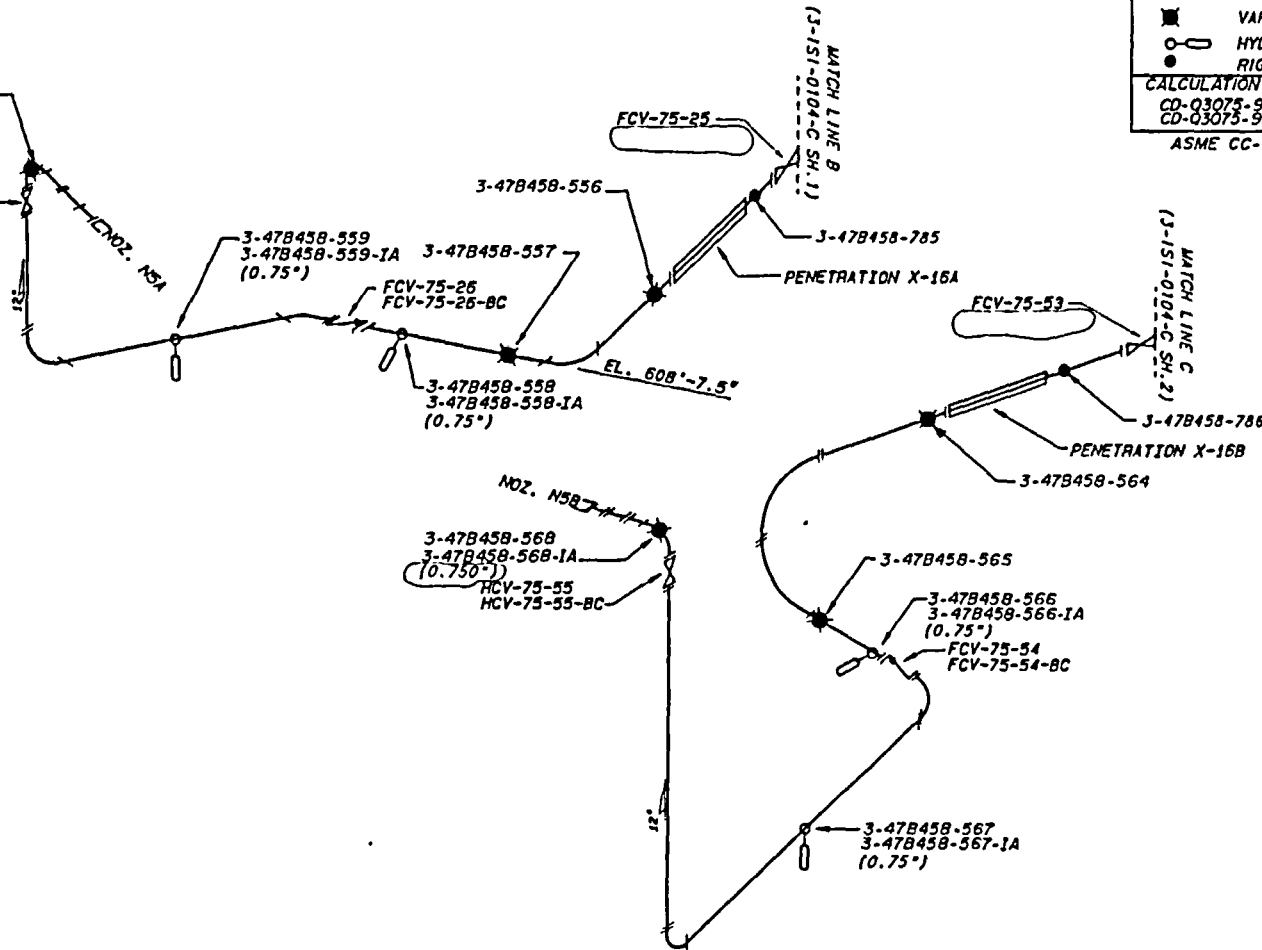
REV	DATE	BY	CHKD	APPD	ISSD
1	12/15/83	550	NIB		

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT
UNIT 3
MAIN STEAM SYSTEM SUPPORT LOCATIONS



DRAWN BY: 550
 DATE: 12/15/83
 CHECKED BY: NIB
 DATE: 1/13/84
 APPROVED BY: 3-151-0338-C
 DATE: 1-13-84

3-47B458-560
3-47B458-560-1A
(0.725")

HCV-75-27
HCV-75-27-BC

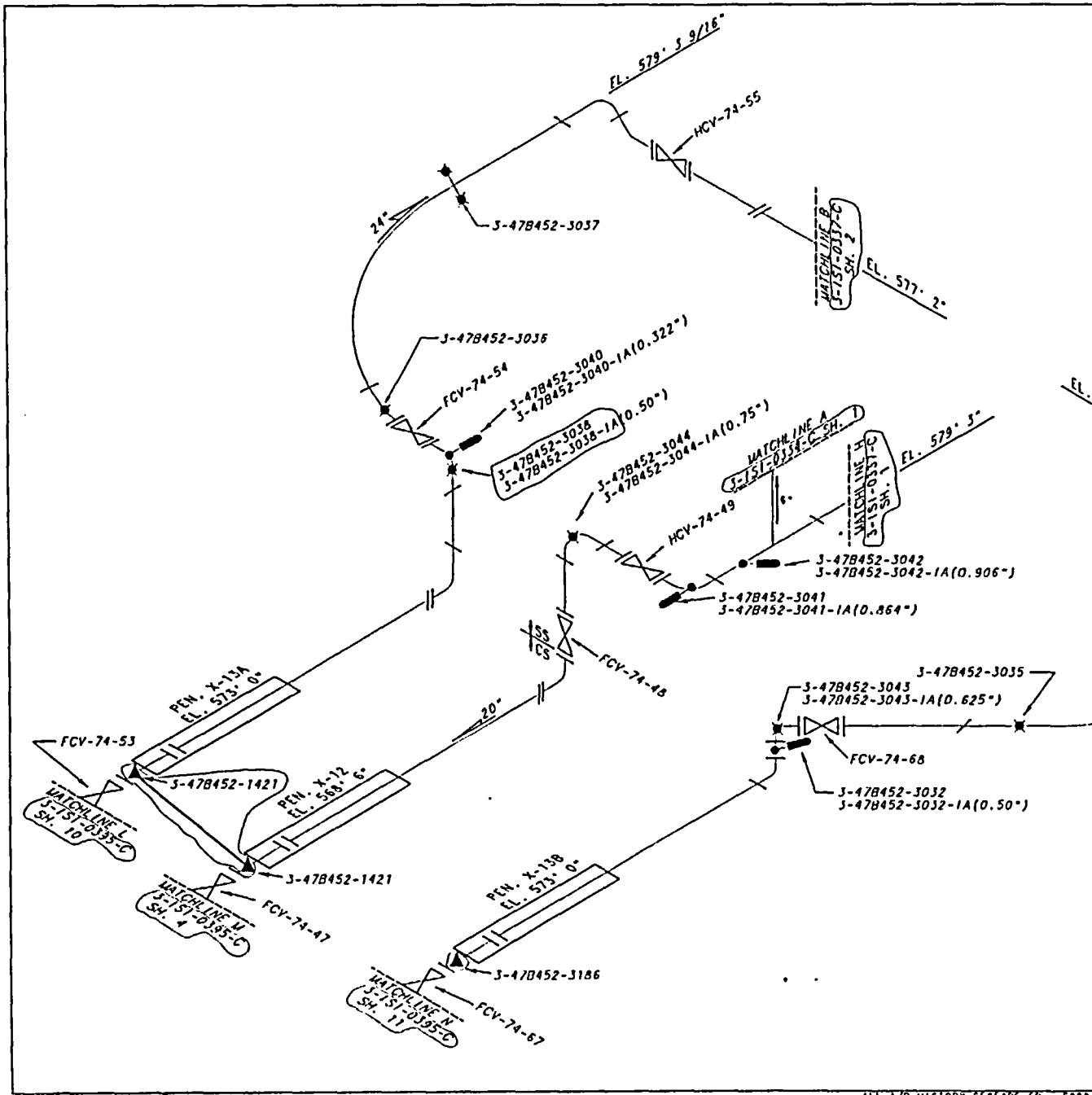


REFERENCE DRAWINGS:
0-47W458-1
ISI-0331-C (SH. 1) WELD MAP
NOTE: THIS DRAWING SUPERCEDES CHM-2152-C
ALL SHEETS.

LEGEND:
 VARIABLE HANGER
 HYDRAULIC SNUBBER
 RIGID HANGER

CALCULATION BRANCH/PROJECT IDENTIFIERS:
CD-Q3075-910416
CD-Q3075-910417
ASME CC-1 (EQUIVALENT)

ADMIN	5-13-97	ADL	JT	N/A	PARA	N/A	N/A	ALD	W.00
REVISED PER RIWS MEMO R14 870305 301									
TENNESSEE VALLEY AUTHORITY									
BROWNS FERRY NUCLEAR PLANT									
UNIT 3									
CORE SPRAY SYSTEM									
SUPPORT LOCATIONS									
DATE	BY	SCALE	APPROVED	DATE	BY	SCALE	APPROVED	DATE	BY
5-13-97	BC	AS IS	BC	5-13-97	BC	AS IS	BC	5-13-97	BC
3-151-0339-C 003									



REFERENCE DRAWINGS:
 0-47W452-3
 3-47W452-8
 0-47W452-10
 3-47W452-11

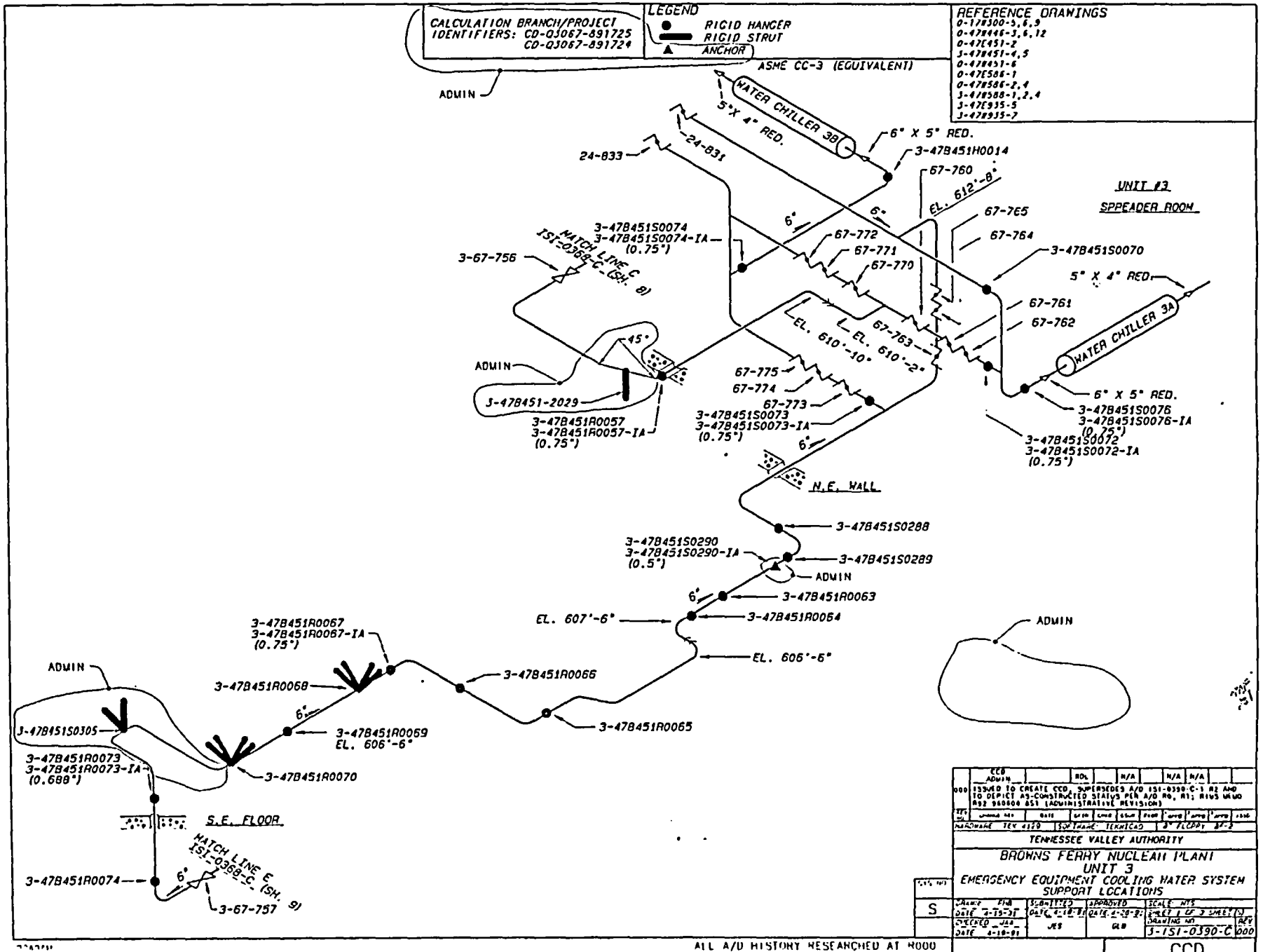
**NOTE: THIS DRAWING SUPERCEDES
 CHM-2153-C ALL SHEETS.**

LEGEND:
 ▲ ANCHOR
 ● RIGID HANGER
 ✖ VARIABLE HANGER
 ● MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT IDENTIFIERS:
 CD-Q3068-922489
 CD-Q3068-922490

ASME CC-1 (EQUIVALENT)

ADMIN	MP1	N/A	N/A	N/A	
001 REVISED SUPPORT MOMENTS PER NIMS WMO 002 00350 000 AND REFERENCE DRAWINGS TO REFLECT UTILIZATION DOCUMENTED NO. 01					
CCD/ISI	7-11-95	CAW	AK	N/A	W/V
002 ISSUED TO CREATE CCP, SUPERSEDES AS-DESIGNED ISI-0340-C-1					
003 REVISED SUPPORT NUMBERS TO MATCH NER NUMBERS FROM ENGINEERING, ADDED/REVISED LEGENDS, AND ADDED REFERENCE CALCULATIONS (ISI) REVISIONS					
DATE	BY	CHKD	APPD	DATE	BY
3-10-85	EDC	GLB		3-15-85	001
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
RESIDUAL HEAT REMOVAL SYSTEM					
SUPPORT LOCATIONS					
DRAWN: PWB	SUBMITTED	APPROVED	SCALE: NTS		
DATE: 3-11-85	DATE: 3-12-85	DATE: 3-12-85	SHEET: 11 OF 21	REV: 001	
CHECKED: JEB	EDC	GLB	DRAWING NO.	REV.	
DATE: 3-10-85			3-151-0340-C	001	
CCD					



CALCULATION BRANCH/PROJECT IDENTIFIERS: CD-Q3067-891725
CD-Q3067-891724

LEGEND
 ● RIGID HANGER
 — RIGID STRUT
 ▲ ANCHOR
 ASME CC-3 (EQUIVALENT)

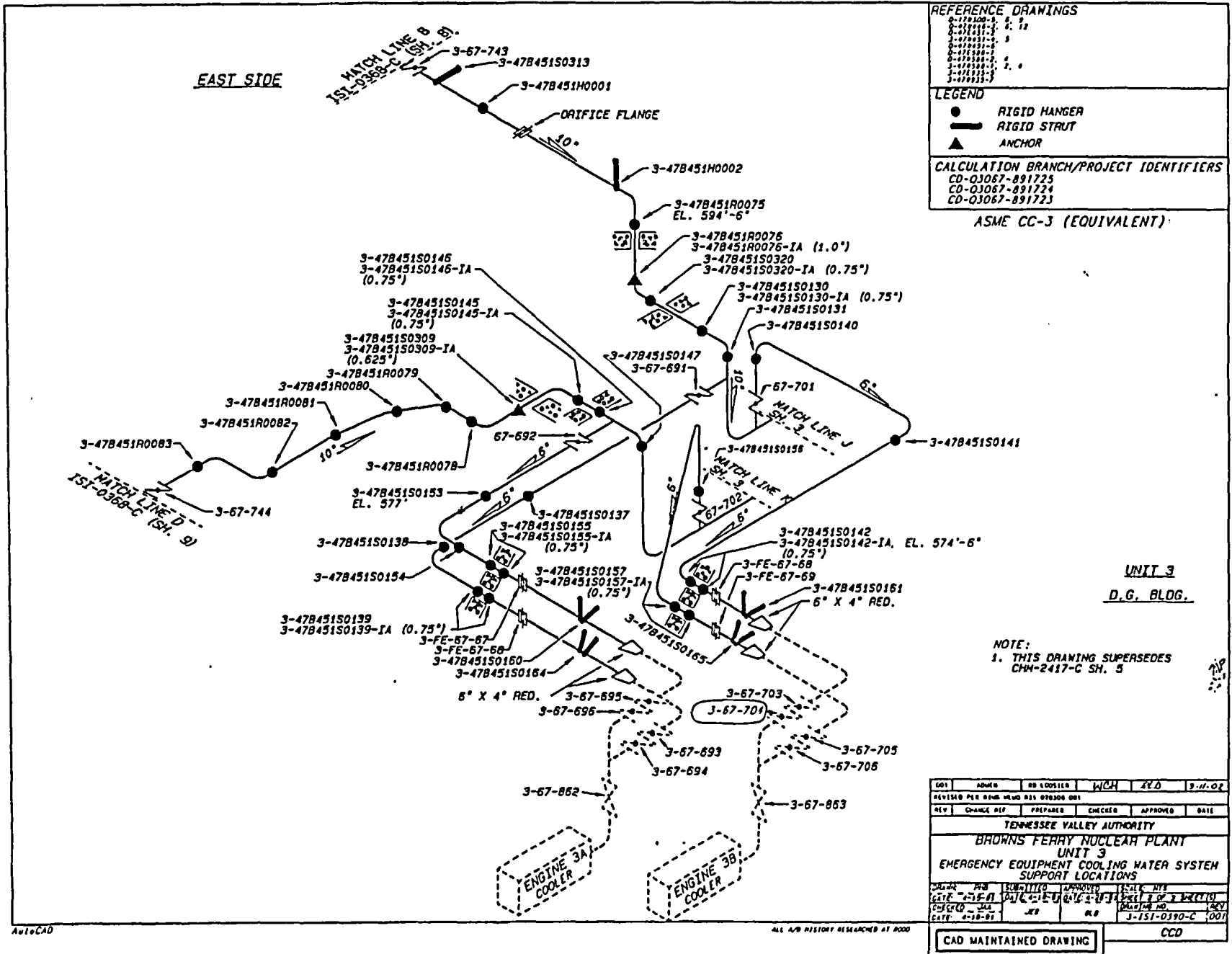
REFERENCE DRAWINGS
 0-178300-3, 6, 9
 0-478451-3, 6, 12
 0-478451-2
 3-478451-4, 5
 0-478451-6
 0-478586-1
 0-478586-2, 4
 3-478586-1, 2, 4
 3-478935-5
 3-478935-7

CD	ADMIN	RD	N/A	N/A	N/A
ISSUED TO CREATE CD, SUPERSEDES A/D 151-0390-C-1 R2 AND TO DEPICT AS-CONSTRUCTED SIZES PER A/D NO. R1; R1'S WERE R2 940804 851 (ADMINISTRATIVE REVISION)					
REV	DATE	BY	CHKD	APPD	DESC
1	11-18-91	JES	GLB		3-151-0390-C 000
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
EMERGENCY EQUIPMENT COOLING WATER SYSTEM SUPPORT LOCATIONS					
DRWNG	CHKD	DESIGNED	APPROVED	SCALE	NYS
DATE	3-15-91	DATE	4-18-91	DATE	2-28-91
DRWNG	NO	DATE	4-18-91	CHKD	DATE
DATE	4-18-91	DATE	4-18-91	DATE	4-18-91

ALL A/D HISTORY RESEARCHED AT HOOD

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Page 113 of 145



REFERENCE DRAWINGS

0-17200-5, 1, 2
 0-17200-5, 3, 4
 0-17200-5, 5
 0-17200-5, 6
 0-17200-5, 7, 8
 0-17200-5, 9
 0-17200-5, 10

LEGEND

● RIGID HANGER
 — RIGID STRUT
 ▲ ANCHOR

CALCULATION BRANCH/PROJECT IDENTIFIERS

CD-03067-891723
 CD-03067-891724
 CD-03067-891725

ASME CC-3 (EQUIVALENT)

UNIT 3
 D.G. BLOG.

NOTE:
 1. THIS DRAWING SUPERSEDES
 CHM-2417-C SH. 5

GOI	ADDER	RD	COOLES	WCH	ELD	3-11-02
REVISION PER BROWNS FERRY 031 02000 001						
REV	CHANGE REF	PREPARED	CHECKED	APPROVED	DATE	
TENNESSEE VALLEY AUTHORITY						
BROWNS FERRY NUCLEAR PLANT						
UNIT 3						
EMERGENCY EQUIPMENT COOLING WATER SYSTEM						
SUPPORT LOCATIONS						
DESIGNED BY	DESIGNED	APPROVED	SCALE	DATE		
DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE		
CAD MAINTAINED DRAWING						
CCD						

AutoCAD

ALL A/B HISTORY REMOVED AT 0000

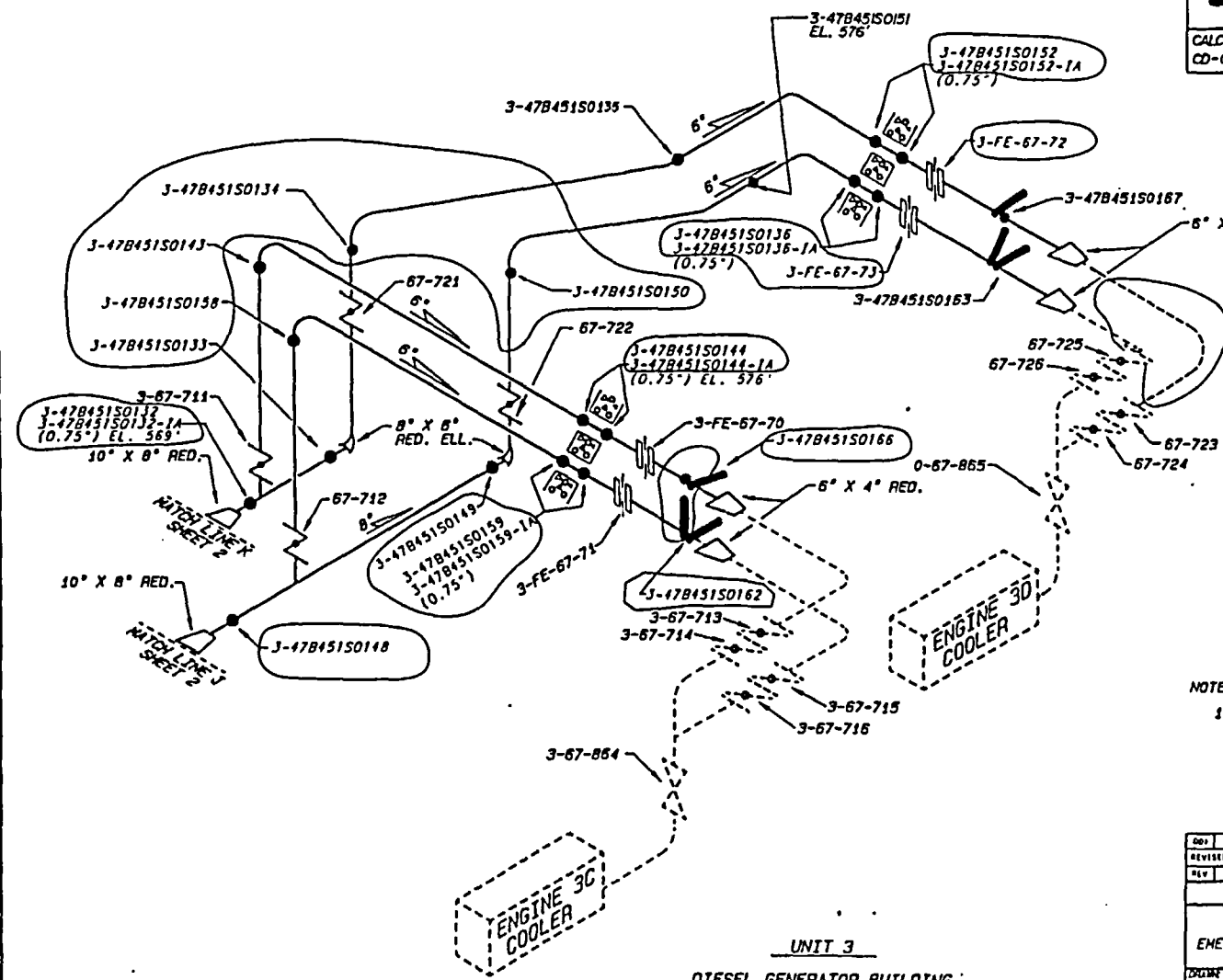
EAST SIDE

REFERENCE DRAWINGS
 0-17N300-5, 6, 9
 0-47N446-3, 6, 12
 0-47N451-2, 6, 3-47W451-4, .5
 0-47N586-1, 4, 0-47E586-2
 3-47N588-1, 2, 4
 3-47N935-7, 3-47E935-5

LEGEND
 ● RIGID HANGER
 — RIGID STRUT

CALCULATION BRANCH / PROJECT IDENTIFIER:
 CD-03067-891723

ASME CC-3 (EQUIVALENT)

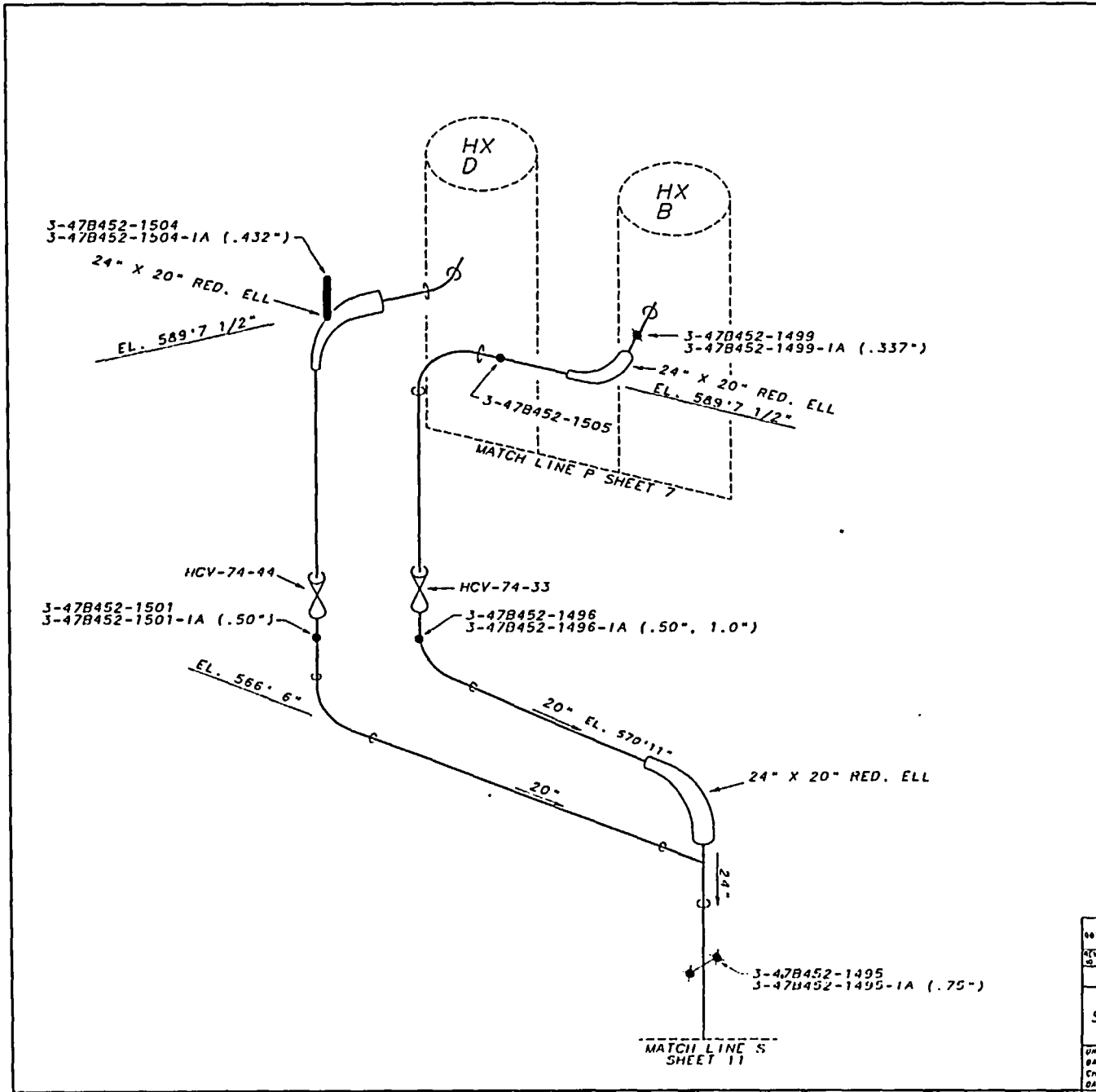


NOTE:
 1. THIS DRAWING SUPERSEDES
 CHN-2417-C SH. 6 REV. 2

UNIT 3
 DIESEL GENERATOR BUILDING

NO.	REVISED PER	BY	DATE	REASON	APPROVED	DATE
1	CHANGED	REV	12-15-73	REVISION		
TENNESSEE VALLEY AUTHORITY						
BROWNS FERRY NUCLEAR PLANT						
UNIT 3						
EMERGENCY EQUIPMENT COOLING WATER SYSTEM						
SUPPORT LOCATIONS						
DATE	BY	DATE	BY	DATE	BY	DATE
12-15-73	JCS	12-15-73	JCS	12-15-73	JCS	12-15-73
3-151-0390-C (001)						
CAD MAINTAINED DRAWING						CCD

ALL A/D HISTORY RESEARCHED & R000



REFERENCE DRAWINGS
 47W452-H SERIES
 47W3452 SERIES

NOTE:
 THIS DRAWING SUPERSEDES A PORTION
 OF CHM-2410-C SH. 2

LEGEND
 ● RIGID HANGER
 ✖ VARIABLE SUPPORT
 ◯ RIGID STRUT

CALCULATION BRANCH/PROJECT
 IDENTIFIER: CD-Q3074-921265

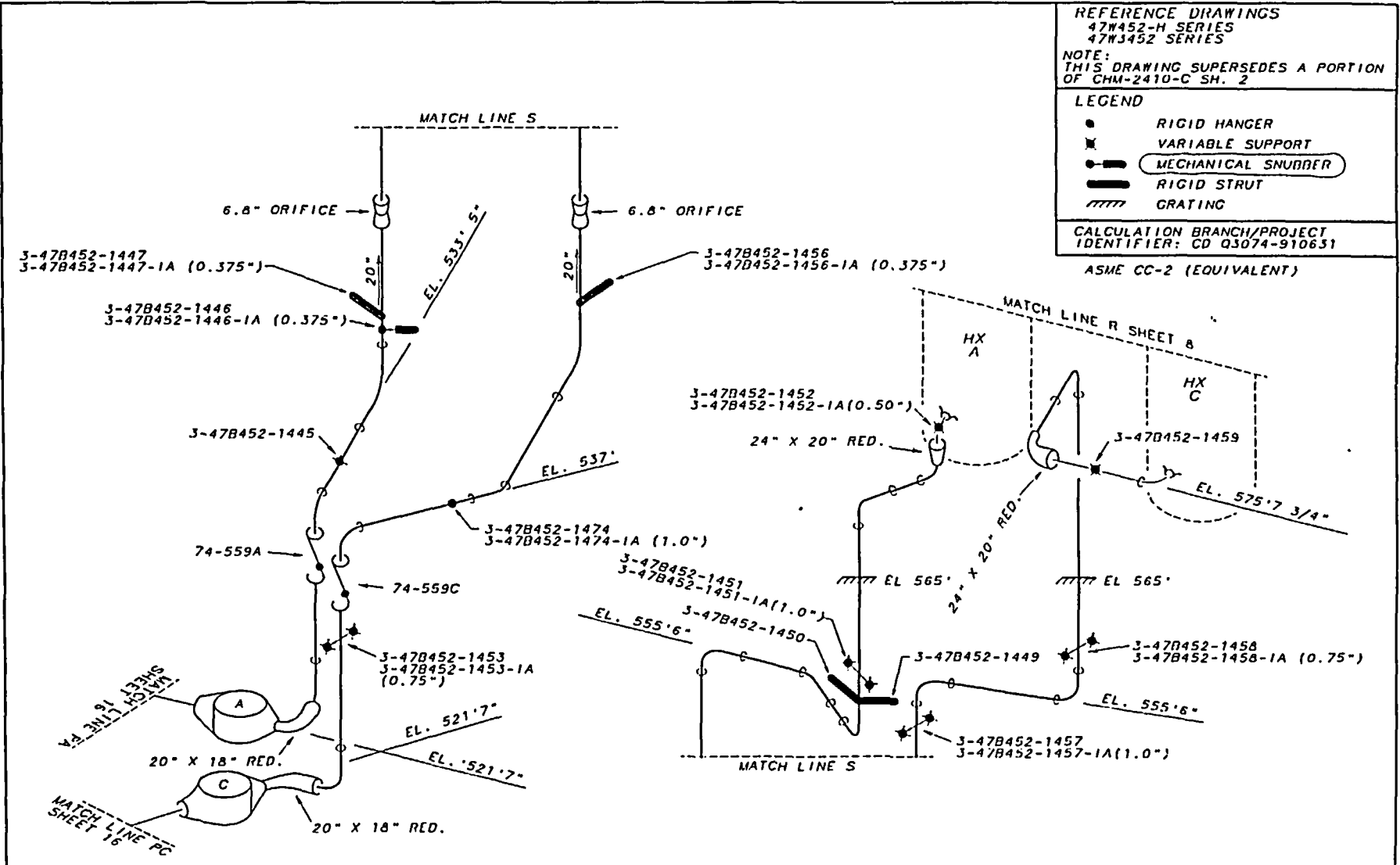
ASME CC-2 (EQUIVALENT)

REV	NO	DATE	BY	CHKD	DESC	REASON	APPRO	DATE
TENNESSEE VALLEY AUTHORITY								
BROWNS FERRY NUCLEAR PLANT UNIT 3 RESIDUAL HEAT REMOVAL SYSTEM SUPPORT LOCATIONS								
DRAWN	CHKD	DATE	DATE	DATE	SCALE	SHEET	NO	OF

REFERENCE DRAWINGS
 47W452-H SERIES
 47W3452 SERIES
 NOTE:
 THIS DRAWING SUPERSEDES A PORTION
 OF CHM-2410-C SH. 2

LEGEND
 ● RIGID HANGER
 ✕ VARIABLE SUPPORT
 ○ MECHANICAL SNUBBER
 — RIGID STRUT
 // GRATING

CALCULATION BRANCH/PROJECT
 IDENTIFIER: CD Q3074-910631
 ASME CC-2 (EQUIVALENT)



Page 116 of 145

PCADAM

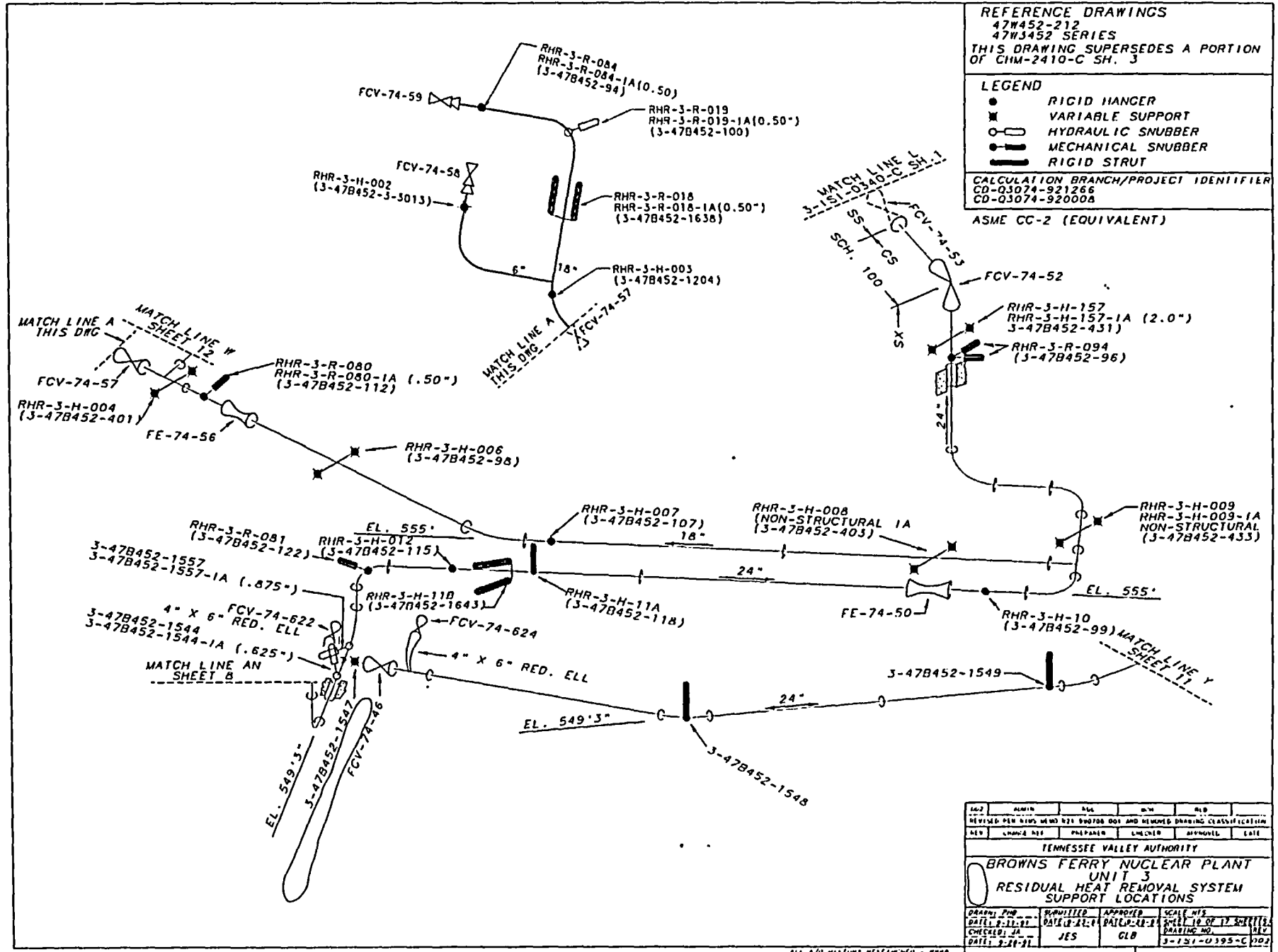
ALL A/J HISTORY RESEARCHED AT 0000

001	ADMIN																	
002	REVISED PER	PLR	PLR	MEMO	DATE	BY	REASON	311										
003	CHANCE	REF	DATE	BY	CHKR	BSCH	BYBR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR	'APPR
TENNESSEE VALLEY AUTHORITY																		
BROWNS FERRY NUCLEAR PLANT UNIT 3 RESIDUAL HEAT REMOVAL SYSTEM SUPPORT LOCATIONS																		
004	DRWNR	PRO	DATE	BY	CHKD	DATE	BY	APPR	DATE	BY	SCALE							
005	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	SCALE							
006	CHKD	BY	DATE	BY	CHKD	BY	DATE	BY	CHKD	BY	SCALE							
007	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	SCALE							
008	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	SCALE							
THIS DRAWING IS UNDER CONFIGURATION CONTROL																		
CCD																		

REFERENCE DRAWINGS
 47W452-212
 47W3452 SERIES
 THIS DRAWING SUPERSEDES A PORTION
 OF CHM-2410-C SH. 3

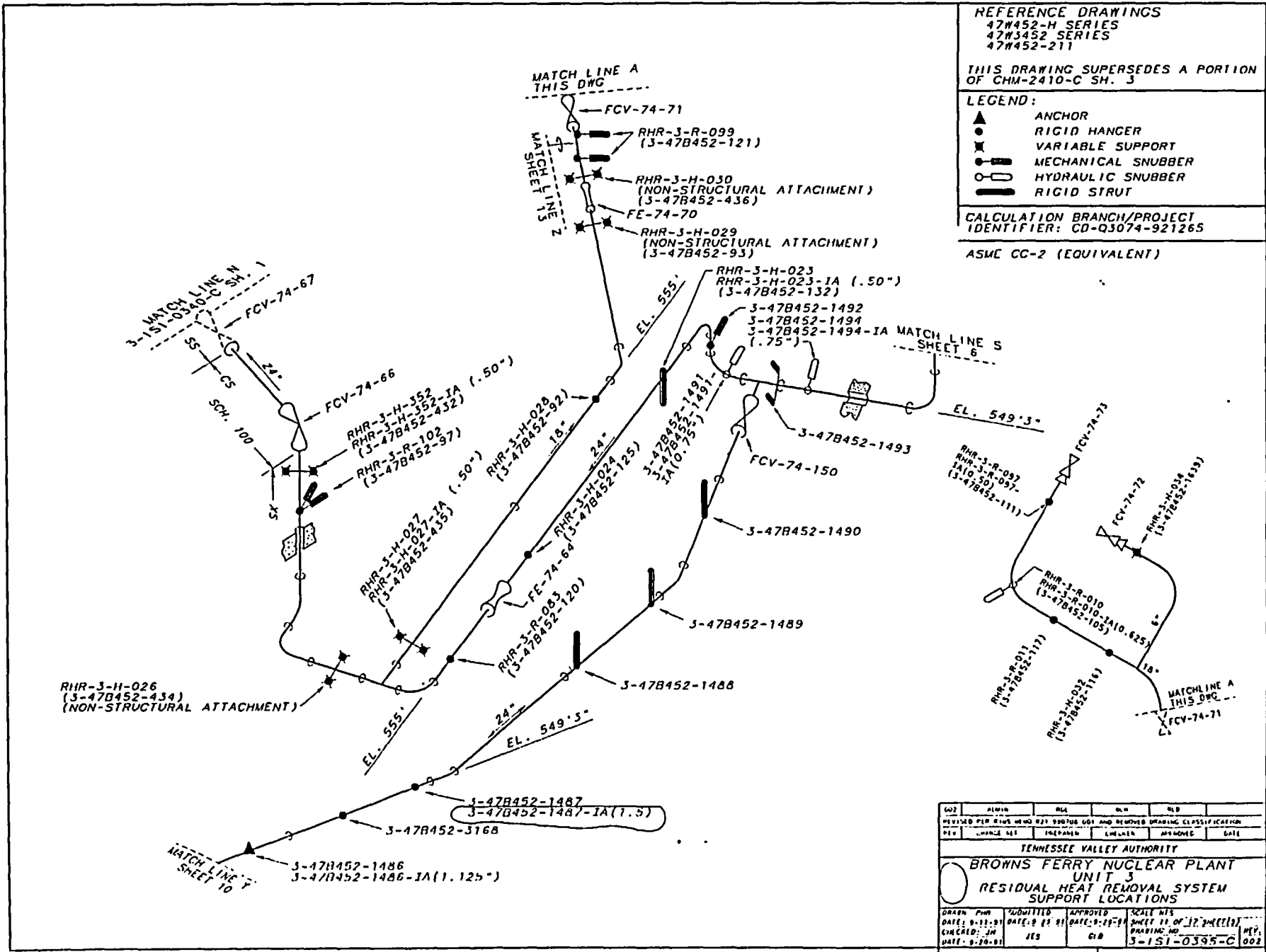
- LEGEND
- RIGID HANGER
 - ⊗ VARIABLE SUPPORT
 - HYDRAULIC SNUBBER
 - ⊖ MECHANICAL SNUBBER
 - ▬ RIGID STRUT

CALCULATION BRANCH/PROJECT IDENTIFIER
 CD-Q3074-921266
 CD-Q3074-920004
 ASME CC-2 (EQUIVALENT)



DESIGNED BY	ALM	CHKD BY	RLG	INCH	REV
REVISIONS	REV	DATE	BY	DESCRIPTION	CLASSIFICATION
REV	CHANGE	DATE	PREPARED	CHECKED	APPROVED
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 RESIDUAL HEAT REMOVAL SYSTEM SUPPORT LOCATIONS					
DRAWN: PWB	REVISIONS	APPROVED	SCALE: NTS		
DATE: 2-11-92	DATE: 2-11-92	DATE: 2-11-92	SHEET 10 OF 17 SHEETS		
CHECKED: JA	YES	GLB	DRAWING NO.		
DATE: 2-11-92			3-151-0395-C 002		

Page 117 of 145



REFERENCE DRAWINGS
 47W452-H SERIES
 47W3452 SERIES
 47W452-211

THIS DRAWING SUPERSEDES A PORTION
 OF CHM-2410-C SH. 3

LEGEND:

- ▲ ANCHOR
- RIGID HANGER
- ⊙ VARIABLE SUPPORT
- MECHANICAL SNUBBER
- HYDRAULIC SNUBBER
- RIGID STRUT

CALCULATION BRANCH/PROJECT
 IDENTIFIER: CD-Q3074-921265

ASME CC-2 (EQUIVALENT)

NO	REV	DATE	BY	CHKD	APP'D	DESCRIPTION

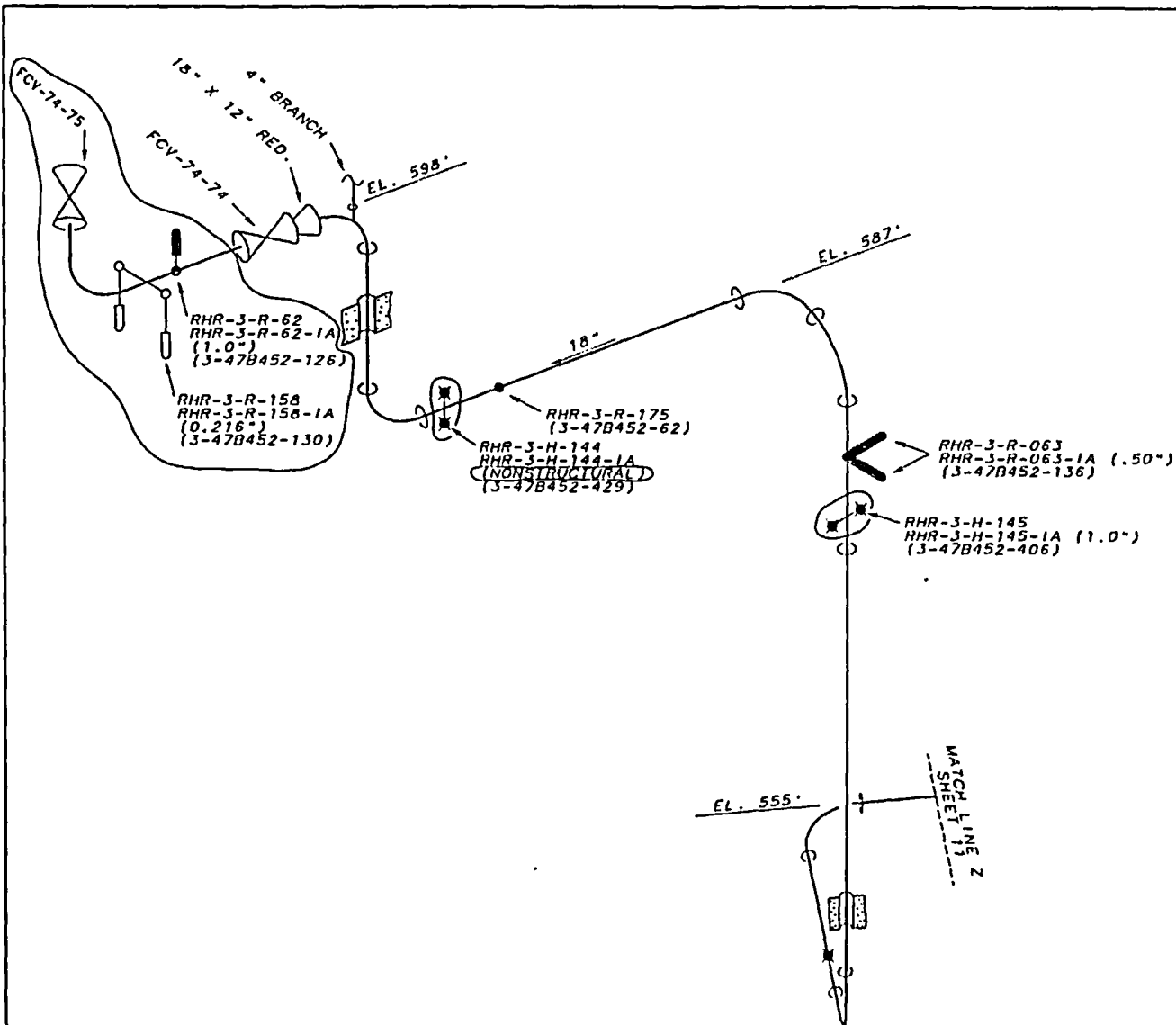
REVISIONS PER THIS AND ALL PREVIOUS EDITIONS AND REVISED DRAWING CLASSIFICATION

DATE: 9-11-81
 DRAWN BY: JH
 CHECKED BY: JES
 DATE: 9-20-81

APPROVED: GIB
 DATE: 9-21-81

SCALE: NTS
 SHEET 11 OF 17 SHEETS
 DRAWING NO: 3-151-0395-C
 002

TENNESSEE VALLEY AUTHORITY
 BROWNS FERRY NUCLEAR PLANT
 UNIT 3
 RESIDUAL HEAT REMOVAL SYSTEM
 SUPPORT LOCATIONS



REFERENCE DRAWINGS

47W452-M SERIES
 47W3452 SERIES
 47W403-210
 47W452-211

THIS DRAWING SUPERSEDES A PORTION OF CHM-2410-C SH. 4

LEGEND

- RIGID HANGER
- ⊗ VARIABLE SUPPORT
- ▬ RIGID STRUT
- HYDRAULIC SNUBBER
- MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT IDENTIFIER: CD-Q3074-920008

ASME CC-2 (EQUIVALENT)

ADVIS	YEM	N/A	N/A	N/A					
00	REVISED SUPPORT TYPES, ADDED ADDITIONAL VALVE PIPING, SUPPORTS AND LEGEND SYMBOLS PER BIRM MEMO 892 980380 876 AND 892 980321 876								
00	CCB/APPN/IN	0-0-95	RED	N/A					
00	ISSUED TO CREATE CCB, SUPERSEDES A/D 131-0135-C-15 001 AND TO SERVICE A/C STATUS PER A/D 88 AND NUIS MEMO 892 950717 878 (ADMINISTRATIVE REVISIONS)								
CHANGE REF	DATE	BY	CHKD	DESCR	BY	APPD	APPD	APPD	1350

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT
 UNIT 3
 RESIDUAL HEAT REMOVAL SYSTEM
 SUPPORT LOCATIONS

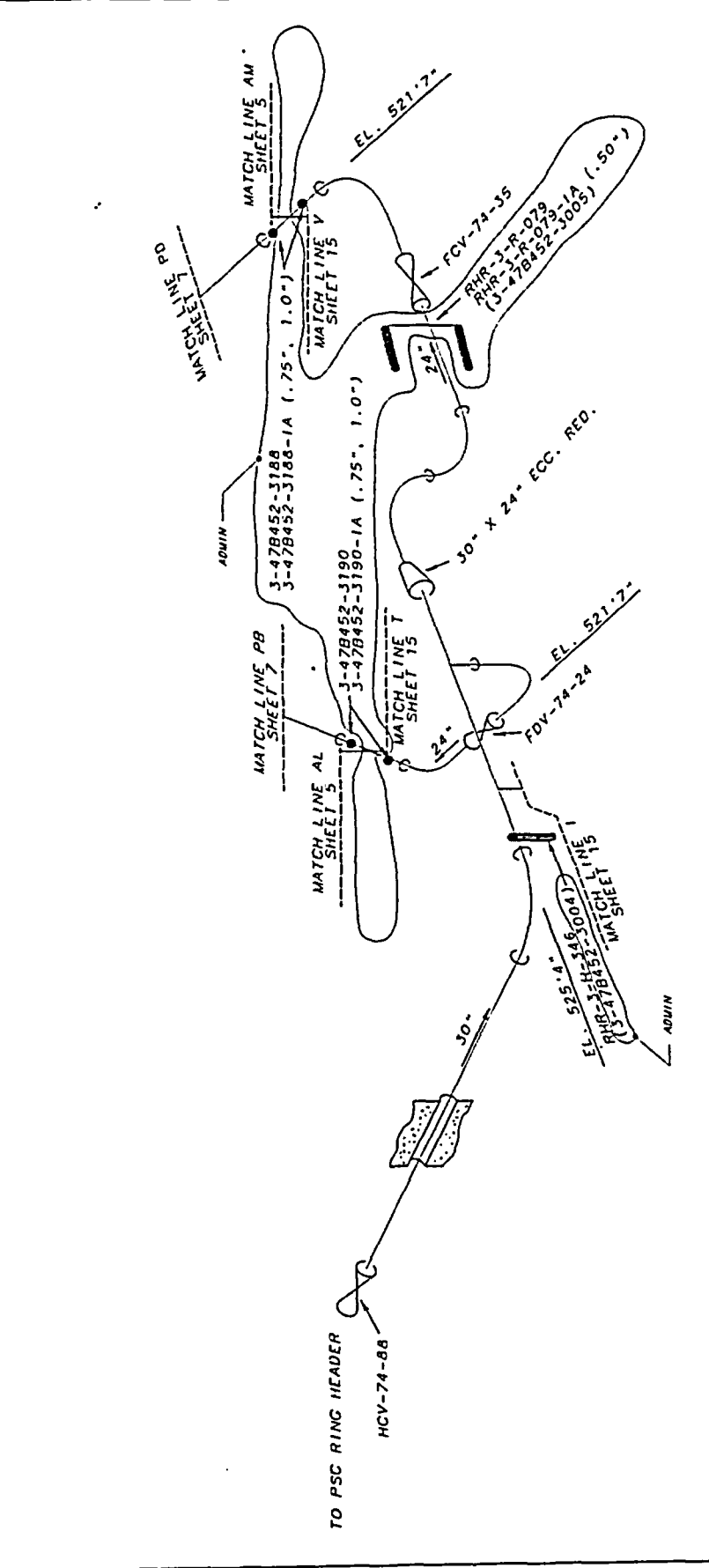
DATE	BY	CHKD	APPD	SCALE	SHEET NO. OF TOTAL SHEETS	DWG. NO.	REV.
0-22-91	JES	GIB			3	3-151-0395-C	001

REFERENCE DRAWINGS
 47W452 SERIES
 47W452-2001
 47W452-2002
 47W452-2003
 THIS DRAWING SUPERSEDES A PORTION
 OF CHM-2410-C SH. 1

ADWIN

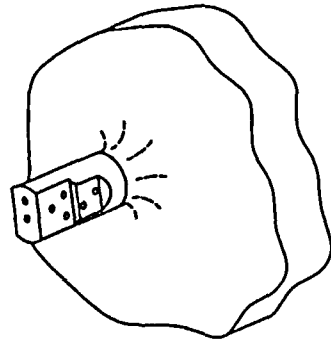
LEGEND
 ● RIGID HANGER
 — RIGID STRUT

CALCULATION BRANCH/PROJECT IDENTIFIER
 CD-03073-920014
 ASME CC-2 (EQUIVALENT)



CD/ADWIN	DATE	REV	BY	CHK	APP	SCALE	DATE
TEMPESSIF VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT UNIT 3 RESIDUAL HEAT REMOVAL SYSTEM SUPPORT LOCATIONS							
DRWN BY	DATE	REV	BY	CHK	APP	SCALE	DATE
SUBMITTED APPROVED DATE: 8-17-81 DATE: 8-17-81 DRAWING NO. 1-731-0335-C-000 SHEET NO. 12 OF 17 SHEETS TOTAL SHEETS 17							
DATE: 8-20-81	YES	NO	NO	NO	NO	NO	NO
CCD							

ALL A/D HISTORY RESEARCHED • 8000

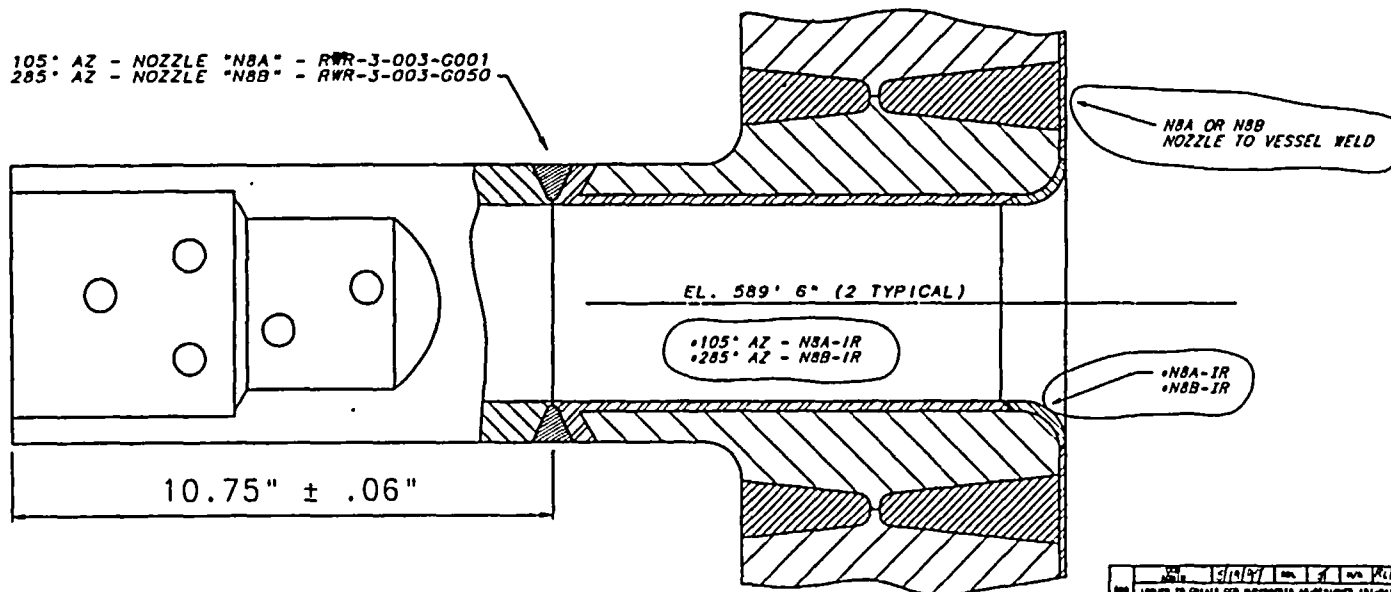


REFERENCE DRAWINGS
 11203838 GE (84P64-B835271)
 769E957 GE (84P64-B835271)
 ISI-0220-C (NOZZLE LOCATIONS)
 RWR-3-003 (TVA WELD MAP)
 NOTE:
 THIS DRAWING SUPERSEDES
 ISI-0152-A

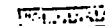
MATERIAL SPECIFICATIONS
 DISSIMILAR METAL WELD

ASME CC-1 (EQUIVALENT)

105° AZ - NOZZLE "NBA" - RWR-3-003-G001
 285° AZ - NOZZLE "NBB" - RWR-3-003-G050

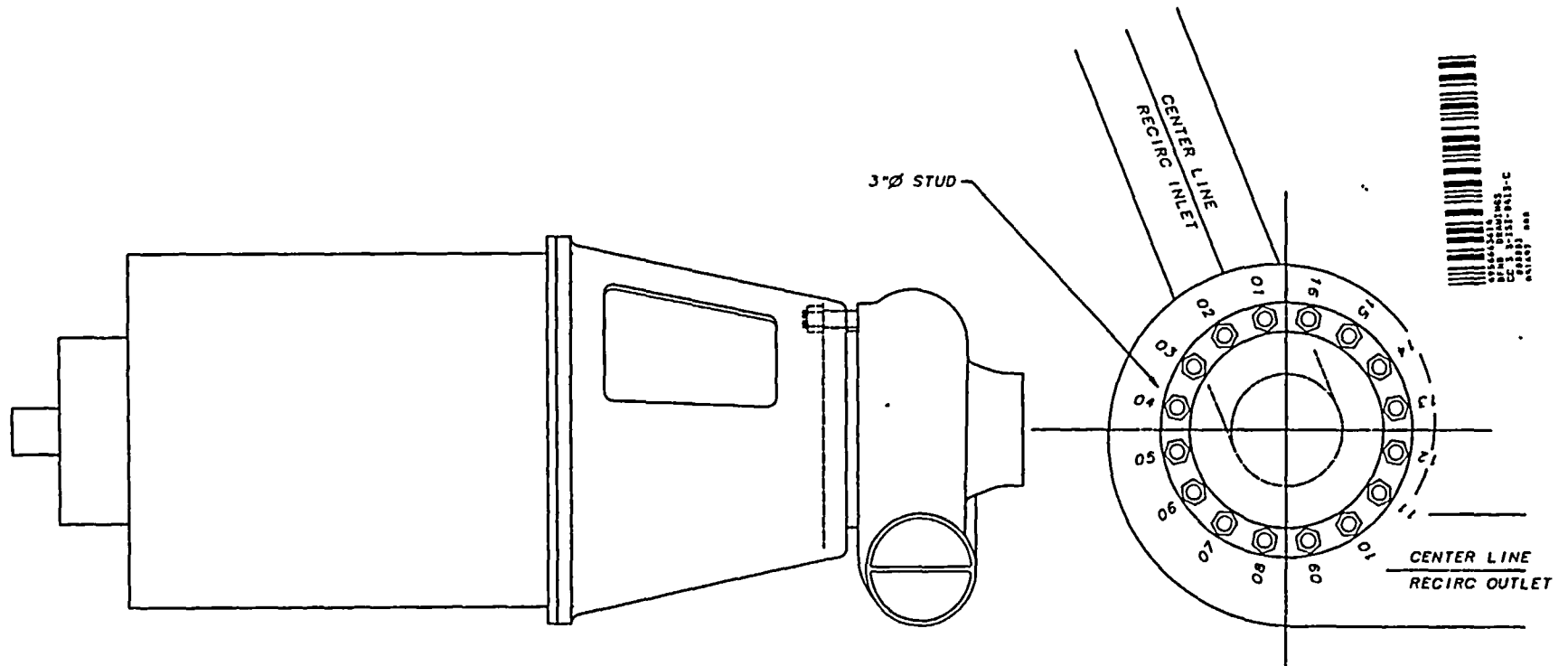


0740140002
 0740 02401005
 CC 3 3-151-0411-C
 000001
 001007 000



REV	DATE	BY	CHKD	APPD	REASON
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REFERENCE DRAWINGS
 2F-1177 BYRON JACKSON DIV. BORG-WARNER
 1E-3429 BYRON JACKSON DIV. BORG-WARNER
 J-153F754 GENERAL ELECTRIC
 ASME CC-1 (EQUIVALENT)



153F754-001
 153F754-002
 153F754-003
 153F754-004
 153F754-005
 153F754-006
 153F754-007
 153F754-008
 153F754-009
 153F754-010
 153F754-011
 153F754-012
 153F754-013
 153F754-014
 153F754-015
 153F754-016

NOTE:
 1. MATERIAL ASTM A540 GR B23.

PUMP A
 NUMBERS (01-16) ARE PREFIXED BY:
 PUMP A.....PMP-A-STUD-3-
 PUMP A.....PMP-A-NUT-3-
 PUMP A.....PMP-A-WASH-3-
 PUMP A.....PMP-A-FLG-3-

PUMP B
 NUMBERS (01-16) ARE PREFIXED BY:
 PUMP B.....PMP-B-STUD-3-
 PUMP B.....PMP-B-NUT-3-
 PUMP B.....PMP-B-WASH-3-
 PUMP B.....PMP-B-FLG-3-

PUMP A
 PUMP INTERIOR IDENTIFIERS:
 PUMP A.....PMP-3A-INTERIOR

PUMP B
 PUMP INTERIOR IDENTIFIERS:
 PUMP B.....PMP-3B-INTERIOR

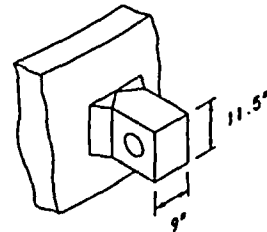
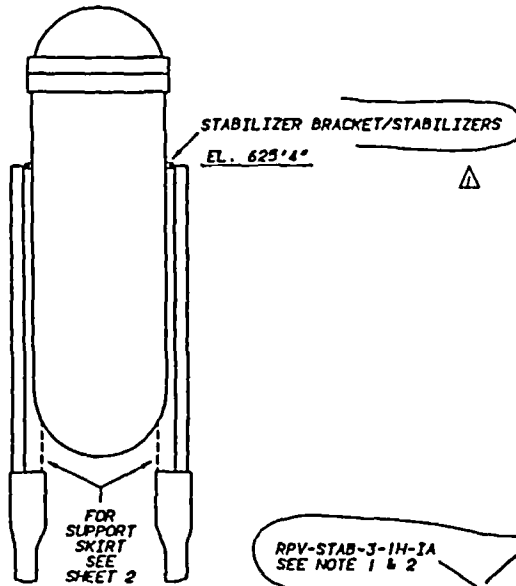
ORIGINAL

DATE	5/16/77	REV	1	APP	REP	APP	DES	CHK	INSP
DESIGNED BY	DATE	APPROVED	DATE	SCALE	BY	DATE	BY	DATE	BY
TENNESSEE VALLEY AUTHORITY									
BROWNS FERRY NUCLEAR PLANT									
UNIT 3									
RECIRCULATION PUMP									
BOLTING LOCATIONS & PUMP INTERIOR									
DRWING NO	5-153F754-001	APPROVED	DATE	SCALE	BY	DATE	BY	DATE	BY
DATE	5-13-77	DATE	5-13-77	SCALE	BY	DATE	BY	DATE	BY
CONTR. NO.	153	REV	01	SCALE	BY	DATE	BY	DATE	BY
DATE		REV	01	SCALE	BY	DATE	BY	DATE	BY

Page 132 of 145

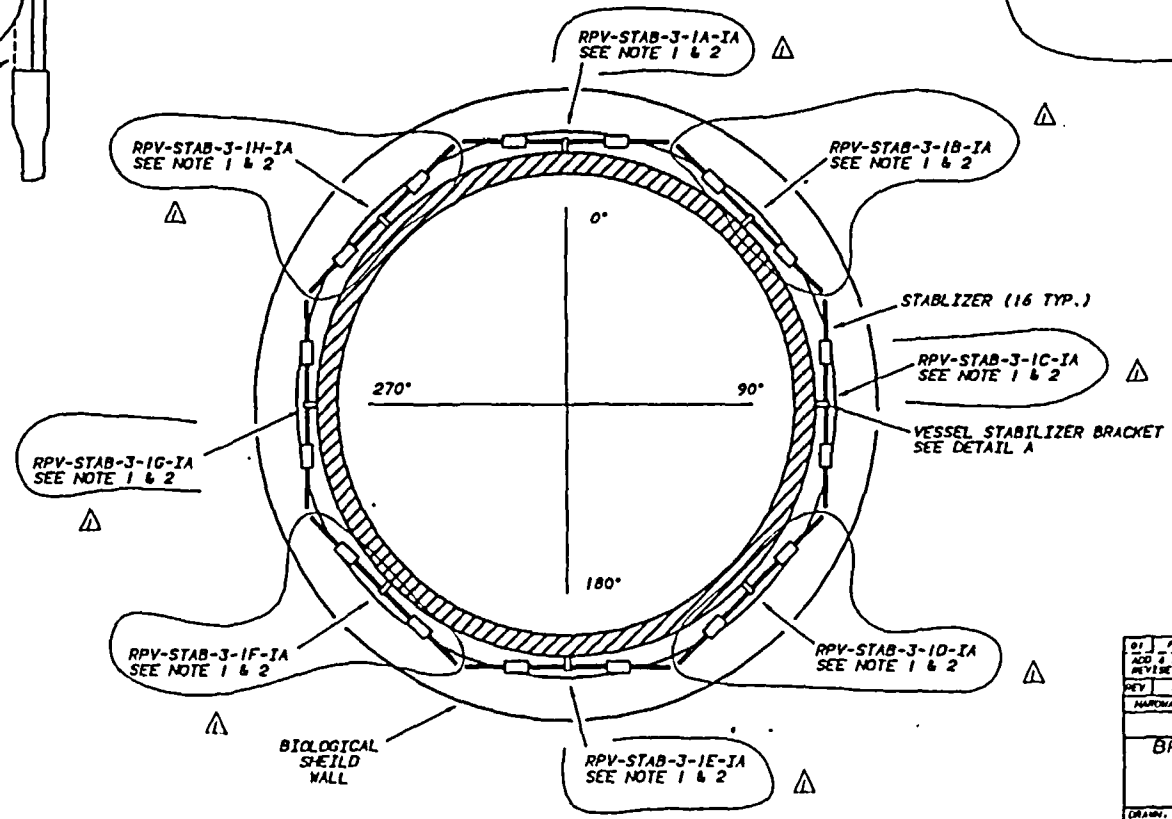
REFERENCE DRAWINGS
 OPL171.002 FIG. 4
 131850E

ASME CC-1 (EQUIVALENT)



DETAIL A

NOTE:
 1. THE RPV STABILIZER IS CONSIDERED ONE SUPPORT (RPV-STAB-3-1) FOR PURPOSES OF ISI SCHEDULING.
 2. LETTERS A THROUGH H ARE ASSIGNED FOR INTEGRAL ATTACHMENT EXAMINATION RECORD PURPOSES ONLY.



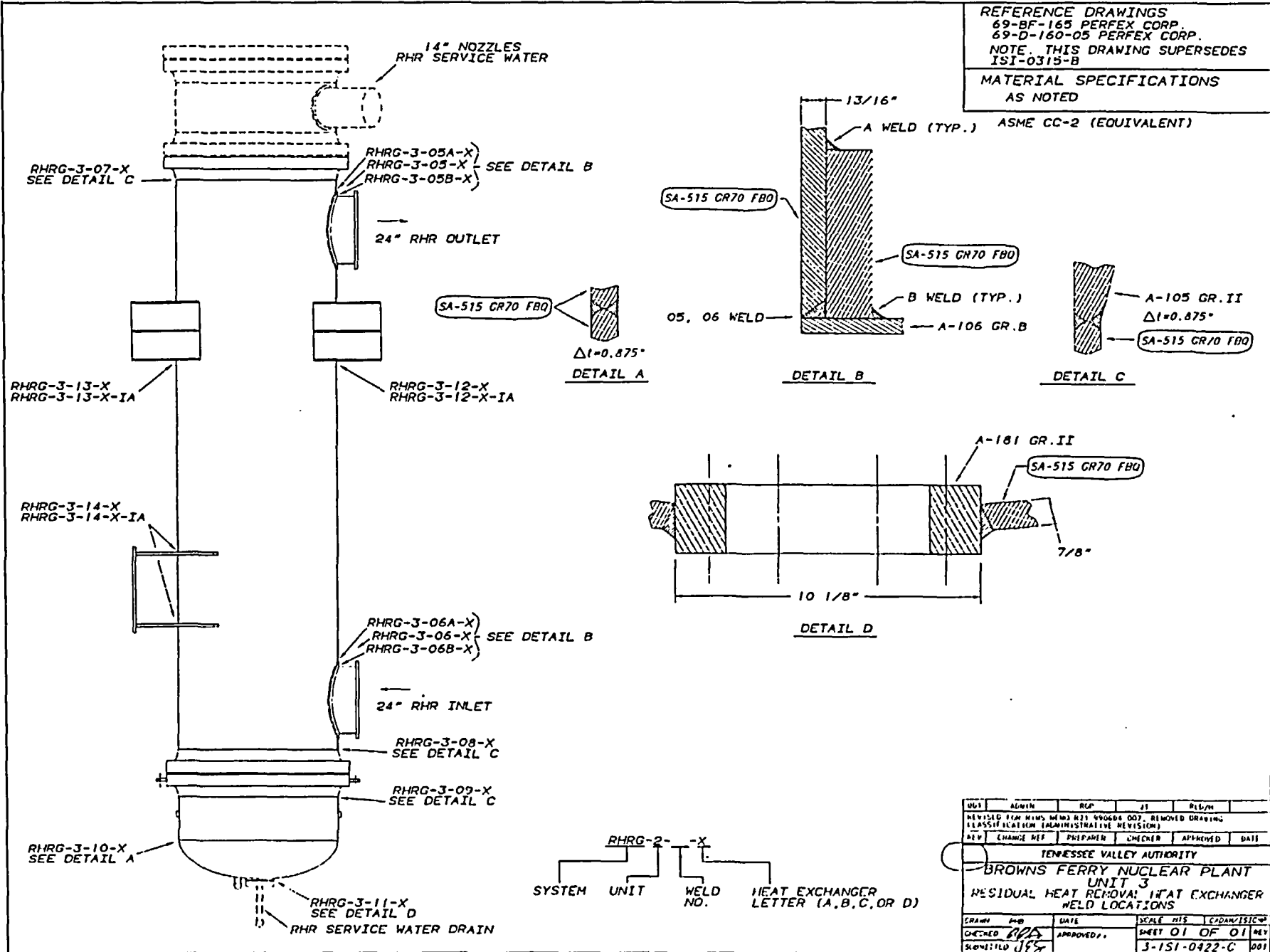
DRW. NO.	REV. NO.	DATE	BY	CHECKED	DATE	APPROVED	DATE	SCALE	REV.
123	1	11/17/93						1:1	1
ADD 8 STABILIZERS, CHANGE STAB. NUMBERING, REV. G. NOTATION REVISE NOTE SPECIFYING ALL ONE SUPPORT									
TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT UNIT 3 REACTOR VESSEL VESSEL SUPPORTS									
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DRAWN BY: JMB CHECKED BY: JMB DATE: 11/17/93 SCALE: 1:1 SHEET 1 OF 2 REV. 1 TITLING NO. 151-0416-C01									

Page 123 of 145

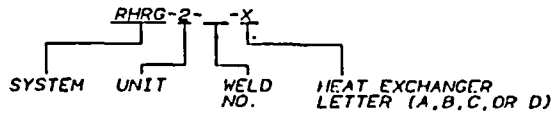
REFERENCE DRAWINGS
 69-BF-165 PERFEK CORP.
 69-D-160-05 PERFEK CORP.
 NOTE. THIS DRAWING SUPERSEDES
 ISI-0315-B

MATERIAL SPECIFICATIONS
 AS NOTED

ASME CC-2 (EQUIVALENT)

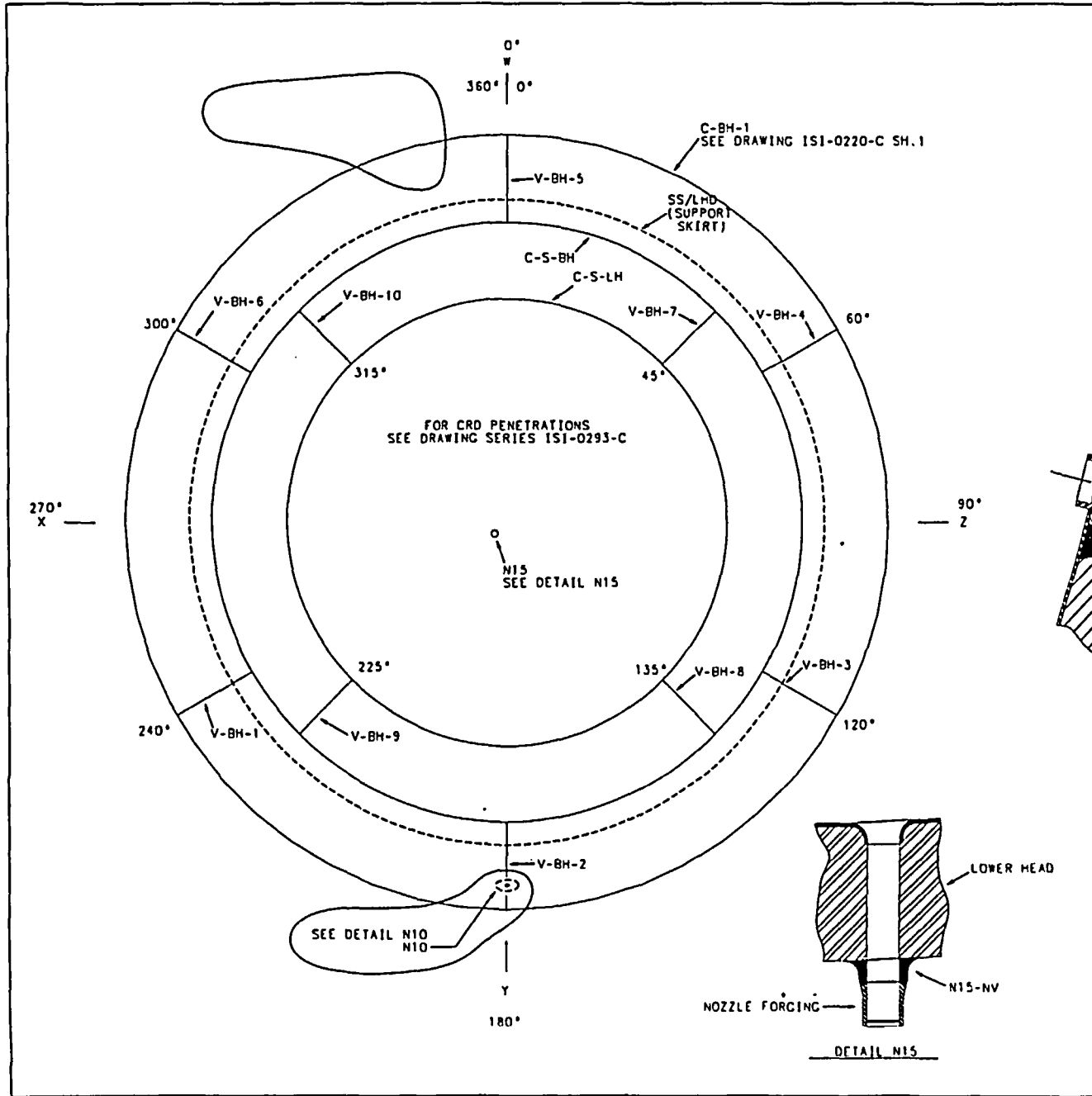


Page 124 of 145



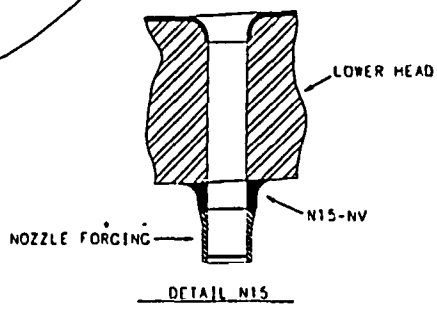
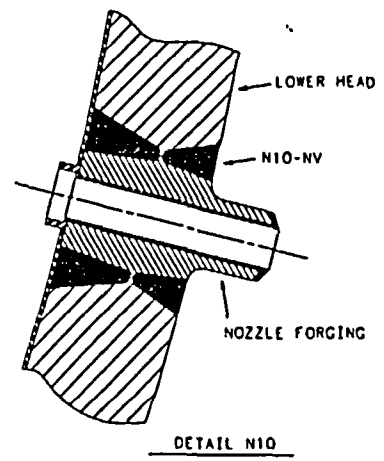
DESIGN	ADMIN	REP	JT	REL/IN	
REVISED FROM NIMS, NEMO R21 990694 007, REMOVED DRAWING CLASSIFICATION (ADMINISTRATIVE REVISION)					
REV	CHANGE REF	PREPARED	CHECKED	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT					
UNIT 3					
RESIDUAL HEAT REMOVAL HEAT EXCHANGER					
WELD LOCATIONS					
DRAWN	APP	DATE	SCALE	RIS	CLASSIFICATION
DESIGNED	APPROVED				
SKETCHED					
				3-151-0422-C	001

Page 125 of 145



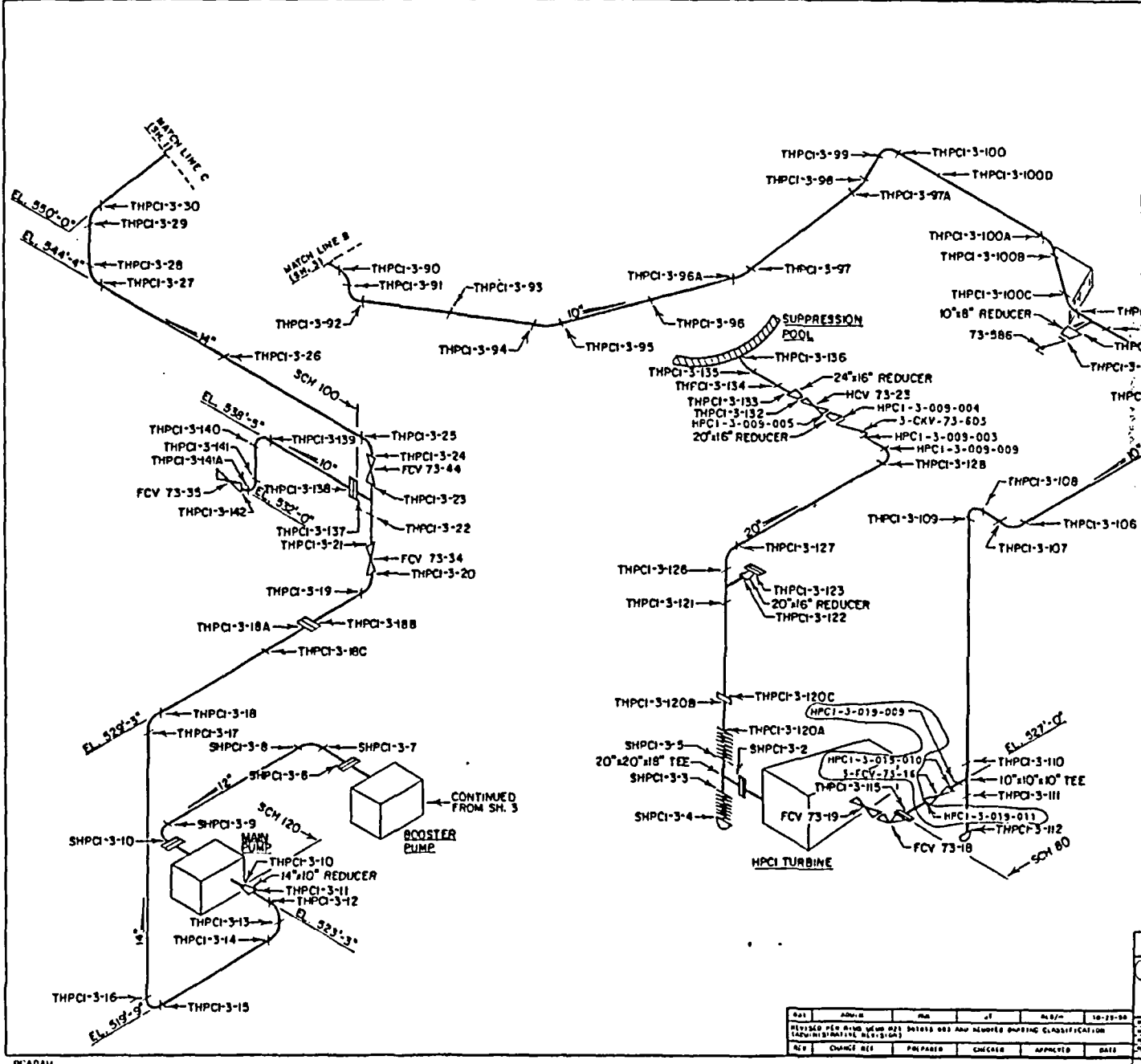
REFERENCE DRAWINGS
 GE SKETCH SK-B3008
 B&W 131836E-6
 B&W 131836E-8
 GE SKETCH SK-B3022
 GE SKETCH SK-B3023

MATERIAL SPECIFICATIONS
 BOTTOM HEAD
 CS MN/MO
 N10
 NOZZLE - A508 CL.2 (MN-MO)
 N15
 NOZZLE - SA-105
 ASME CC-1 (EQUIVALENT)



DOO	CCB/ADMIN	RD LOOSTER	WCH	RED	8-16-02
ISSUED TO CREATE CCD SUPERSEDES A/D ISI-0445-C-1 RE: REVISED PER N15 HEAD SET 030403 DOO					
REV	CHANGE REF	PREPARED	CHECKER	APPROVED	DATE
TENNESSEE VALLEY AUTHORITY					
BROWNS FERRY NUCLEAR PLANT UNIT 3 BOTTOM HEAD ASSEMBLY WELD LOCATIONS					
DRAWN:	PHB	DATE:	01-20-99	SCALE:	N15 1/2"=1'-0" N10 1/4"=1'-0"
CHECKED:	JES	APPROVED:	RME	SHEET:	01 OF 01 REV
SUBMITTED:	CLB			3-151-0445-C-000	
CAD MAINTAINED DRAWING				CCD	

REFERENCE DRAWINGS	
47W333-17	
47W333 SERIES	
E-4707	
2F-125B	
MATERIAL SPECIFICATIONS	
CLASS 2	
CARBON STEEL	
24" SCH 20 (375)	
20" SCH 20 (375)	
18" SCH 40 (375)	
16" SCH 40 (375)	
14" SCH 40 (375)	
10" SCH 120 (644)	
10" SCH 100 (719)	
10" SCH 80 (594)	
8" SCH 100 (594)	
STAINLESS STEEL	
12" SCH 40S (375)	

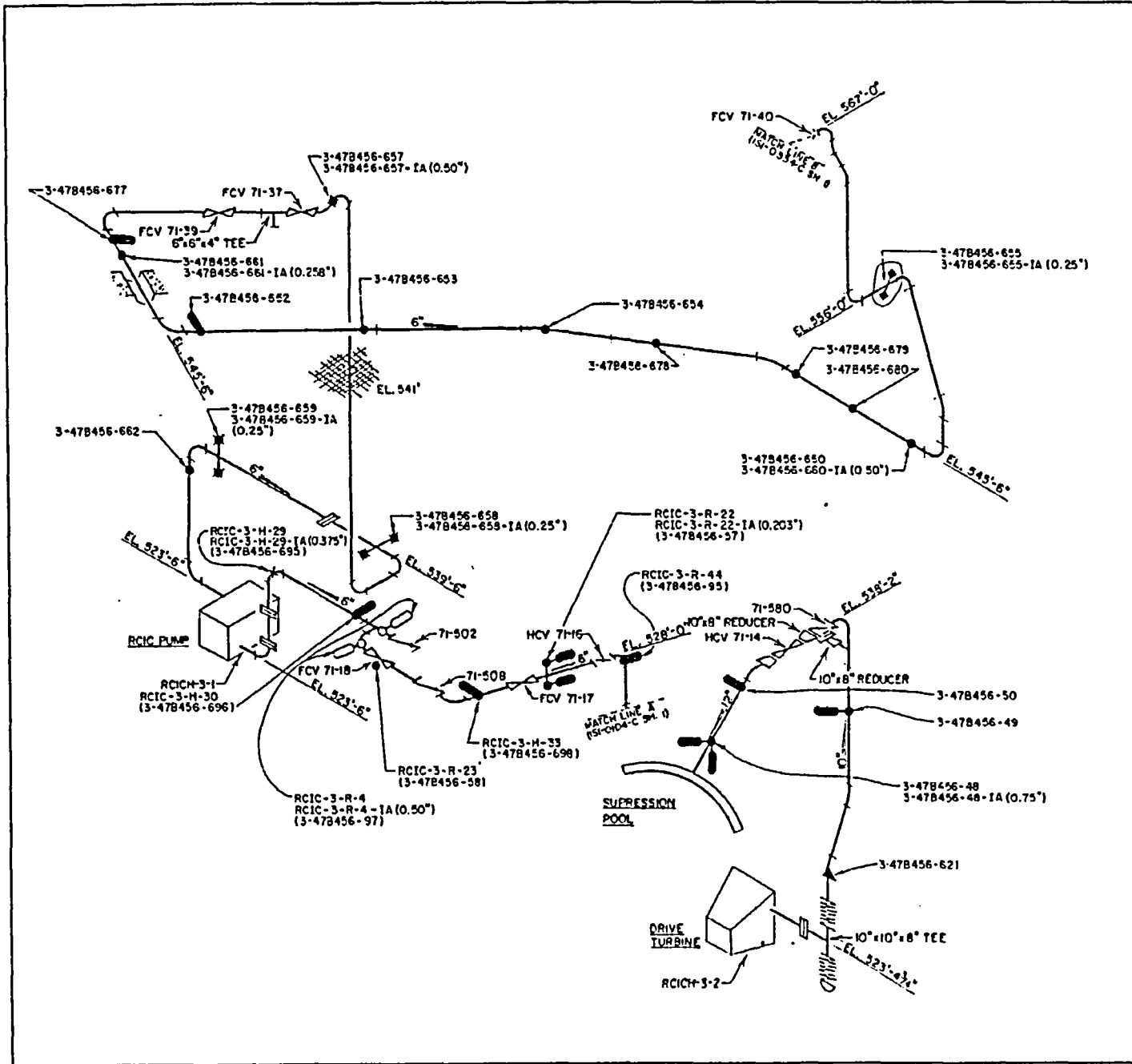


TENNESSEE VALLEY AUTHORITY						
Division of Nuclear Power						
BROWNS FERRY NUCLEAR PLANT						
UNIT #3						
HIGH PRESSURE COOLANT INJECTION SYSTEM						
WELD LOCATIONS						
REV	DATE	BY	CHKD	APP'D	DATE	DESCRIPTION
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100	11-2-88					

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ALL A/D HISTORY RESEARCHED AT ROOD

CCD RO01



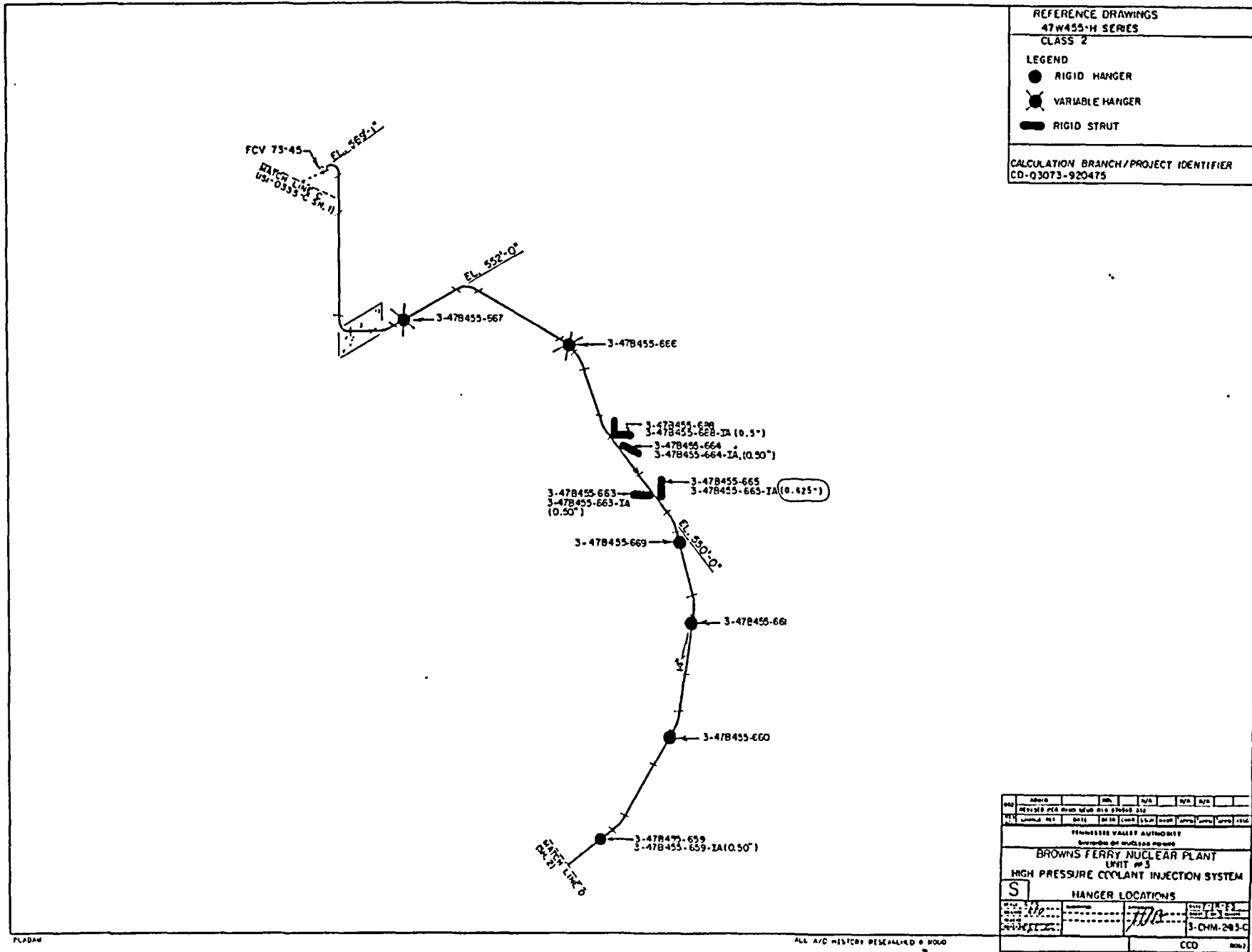
REFERENCE DRAWINGS
 47W456-209
 47W456-H SERIES

LEGEND
 ■ VARIABLE HANGER
 ● RIGID STRUT
 ○ RIGID HANGER
 X CONSTANT FORCE
 ○ MECHANICAL SNUBBER
 ○ HYDRAULIC SNUBBER
 ▲ ANCHOR

CALCULATION BRANCH/PROJECT IDENTIFIER
 CD-03071-920917

CODE CLASS 2 EQUIVALENT

REV	DATE	BY	CHK	APP	DESCRIPTION
1	11/18/83	JL	...	...	...
DIVISION OF NUCLEAR POWER BROWNS FERRY NUCLEAR PLANT UNIT # 3 REACTOR CORE ISOLATION COOLING SYSTEM HANGER LOCATIONS					
SCALE	DATE	BY	CHK	APP	DESCRIPTION
AS SHOWN	11/18/83	JL	...	...	...
CD-03071-920917 CCD 0001					



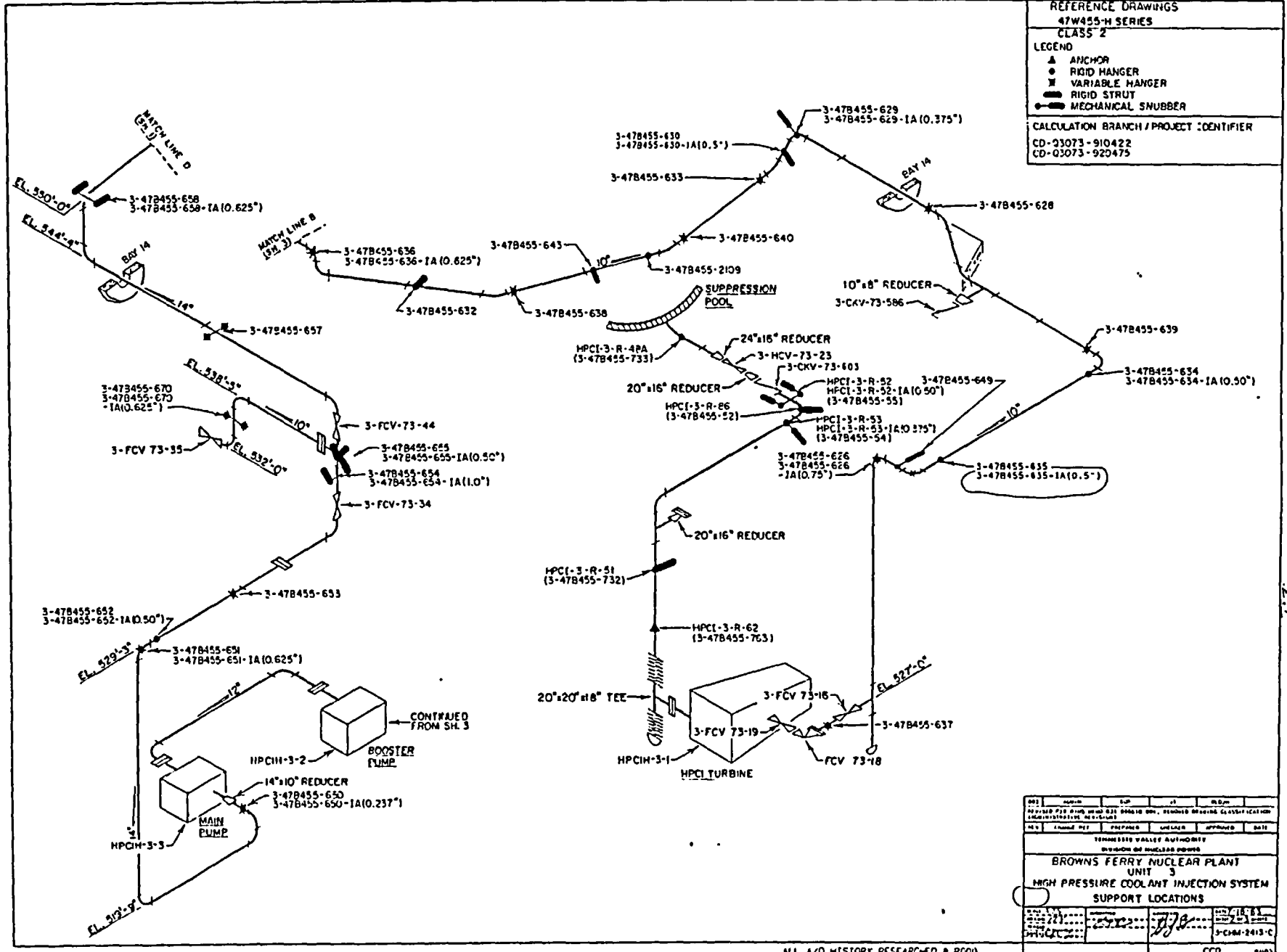
REFERENCE DRAWINGS
47W455-H SERIES
CLASS 2

LEGEND
● RIGID HANGER
⊗ VARIABLE HANGER
▬ RIGID STRUT

CALCULATION BRANCH/PROJECT IDENTIFIER
CD-Q3073-920475

NO.	REV.	DATE	BY	CHKD.	APP'D.	DESC.
TENNESSEE VALLEY AUTHORITY						
BROWNS FERRY NUCLEAR PLANT						
UNIT #3						
HIGH PRESSURE COOLANT INJECTION SYSTEM						
S HANGER LOCATIONS						
DATE	BY	CHKD.	APP'D.			
						3-CHM-203-C
						CCD 0002

MF
021



REFERENCE DRAWINGS
 47W455-H SERIES
 CLASS 2

LEGEND
 ▲ ANCHOR
 ● RIGID HANGER
 ◻ VARIABLE HANGER
 — RIGID STRUT
 — MECHANICAL SNUBBER

CALCULATION BRANCH / PROJECT IDENTIFIER
 CD-Q3073-910422
 CD-Q3073-920475

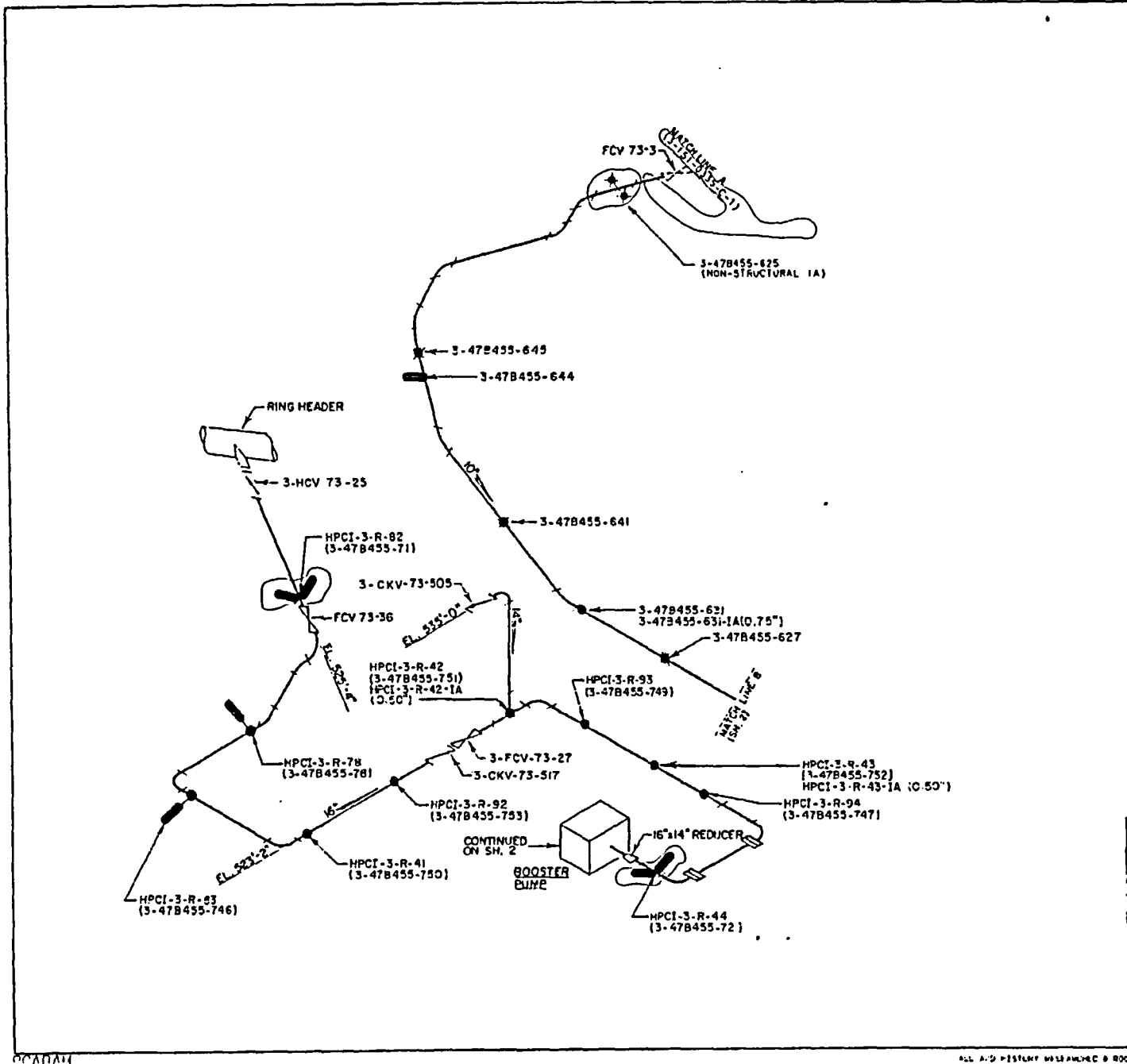
NO.	ISSUED BY	PREPARED	CHECKED	APPROVED	DATE
001					
002					
003					
004					
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020					

TERRELL VALLEY AUTHORITY
 DIVISION OF NUCLEAR POWER

BROWNS FERRY NUCLEAR PLANT
 UNIT 3
 HIGH PRESSURE COOLANT INJECTION SYSTEM
 SUPPORT LOCATIONS

DATE: 11/18/81
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

3-CM4-2413-C
 CCD 800



REFERENCE DRAWINGS
47W455-H SERIES

LEGEND:
 ▲ ANCHOR
 ▣ VARIABLE HANGER
 ● RIGID HANGER
 — RIGID STRUT
 ○ MECHANICAL SNUBBER

CALCULATION BRANCH/PROJECT IDENTIFIER
C.D.-Q3073-910422

CLASS 2

DATE	BY	CHKD	APPD	DATE	BY	CHKD	APPD
01/11/84	JW	JW	JW	01/11/84	JW	JW	JW
ISSUED TO CREATE CCD SUPERSEDES AND CHM-2413-C-3 R4-REVISED SUPPORT NUMBERS TO MATCH NEW NUMBERS FROM ENGINEERING. ADDED LEGEND AND REFERENCE CALCULATION(S) REVISION!							
Tennessee Valley Authority DIVISION OF NUCLEAR POWER BROWNS FERRY NUCLEAR PLANT UNIT #3 HIGH PRESSURE COOLANT INJECTION SYSTEM							
S HANGER LOCATIONS							
SCALE	DATE	BY	CHKD	APPD	DATE	BY	CHKD
AS SHOWN	01/11/84	JW	JW	JW	01/11/84	JW	JW
PROJECT	3-CIM-2413-C			CCD R001			

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

APPENDIX VI

SUMMARY OF INDICATIONS

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Summary of Indications

Indications detected during the performance of examinations for Browns Ferry Nuclear Plant Unit 3 Cycle 11 were evaluated in accordance with approved written procedures. Generally, examination results yielded either No Recordable Indications (NRI) or Recordable Indications.

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

NOI No.	Code Cat.	Component Identifier	Indication Description	Resolution	Additional samples
U3C11-001	F-A	3-47B455-654	LOOSE JAM NUTS	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-002	F-A	3-47B455-666	LOOSE JAM NUT/SUPPORT MISALIGNMENT	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
*U3C11-007	F-A	3-47B400-204	LOOSE BOLT/MISSING BOLT	PER# 04-002266-000 AND W.O. 04-713298-000 ISSUED TO CORRECTIVE MEASURES REQUIRED	3-47B400-68, 3-47B400-82, 3-47B400-203, 3-47B400-205
U3C11-011	B-N-2	RPV STEAM DRYER BRACKET AT 275'	BRACKET DAMAGED	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-013	B-G-2	CRDN-3-4223-BC	UPSET/RAISED METAL ON HEAD OF BOLT/ LINEAR INDICATION ON BOLT SHANK	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-015	F-A	3-47B400-203	DUAL SPRING CANS OUT OF SETTING RANGE	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-016	F-A	3-47B400-82	LOOSE BOLTING/NUT MISSING	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-017	B-N-2	RPV -INT-NBLR	ABNORMAL WEAR OF PIN ON FEEDWATER SPARGER END BRACKET AT 185'	EVALUATED ACCEPTABLE (No Corrective Measures Required)	NOT REQUIRED
U3C11-018	F-A	CRDN-3-4235-BC, CRDN-3-3047-BC, CRDN-3-3447-BC	UPSET/RAISED METAL ON HEAD OF BOLT/KNICKS ON THREADS	AFTER ADDITIONAL CLEANING BOLTS REINSPECTED BY AN NDE LEVEL III EXAMINER AND FOUND TO BE ACCEPTABLE	NOT REQUIRED

ADDITIONAL SAMPLES

*There were four expanded samples on the Main Steam System required this outage, listed in the table above.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 1

UNIT 3 CYCLE 11
AUGMENTED EXAMINATION
SUMMARY

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

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 11 Refueling Outage and references the corresponding paragraph in 3-SI-4.6.G.

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

Austenitic stainless steel and dissimilar metal circumferential welds in piping four inches or larger in nominal pipe diameter which contain reactor coolant at temperatures above 200 degrees F during power operation shall be examined. There was no new IGSCC identified in Cycle 11.

Reference: BWRVIP-75

NUREG-0313 CATEGORY	TOTAL NUMBER OF WELDS	WELDS EXAMINED DURING U3/C11 Outage
A	71	0
B	N/A	N/A
C	79	8
D	2	0
E	10	0
F	N/A	N/A
G	2	2 (VT-2)

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Paragraph 7.11.4 Reactor Pressure Vessel Interior

Augmented examinations of the RPV interior components are performed in accordance with 0-TI-365, Revision 12, Reactor Pressure Vessel Internals Inspection (RPVII) Units 1, 2 and 3.

Core Spray Internals Visual Examinations: BWRVIP-18

Piping T-Box Welds - Loops A and B (8 total)
Sparger - Cover Plate Welds (4 total)
Sparger - Sparger to T-Box Welds (8 total)
Sparger - Adapter to Sparger Pipe Welds (4 total)
Sparger - Nozzle to Adapter Welds (4 total)
Sparger - Drain to Sparger Welds (4 total)
Sparger - End Cap to Sparger Pipe Welds (8 total)
Sparger Bracket Welds (12 total)

No recordable indications were reported.

Additionally, the following Repairs and Indications were visually inspected:

Arc Strike @ Azimuth 117° - No recordable indications
T-Box Repair Brackets @ Azimuth 120° and 240° - No recordable indications
Linear indication on pipe, left side of T-Box - Recordable indication, unchanged from previous inspection
"C" Downcomer lower section replacement - No recordable indications

Core Shroud Access Hole Covers - Visual Examinations: GE SIL No, 462 R1

0° - No recordable indications, next reinspection during U3C13 RFO (Spring 2008)

180° - No recordable indications, next reinspection during U3C13 RFO (Spring 2008)

(NOTE: This examination was originally scheduled to be a UT examination. Due to tooling problems, a visual inspection was instead performed, and the period of reinspection reduced from six (6) to four (4) years.)

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Core Plate Bolts Visual Examinations: BWRVIP-25

The following locations were visually inspected per BWRVIP-25:
Rim Hold-down Bolts (Location 10)

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

H5 (Horizontal) - 51.13% coverage obtained, recordable indications; plant-specific analysis will be required to merge new data with existing data (reinspection frequency to be determined)

H6 (Horizontal) - 3.43% coverage obtained before remaining workscope cancelled, no recordable indications; weld must be inspected during U3C12 Refueling Outage (RFO) in Spring 2006

H7 (Horizontal) - 2.22% coverage obtained before remaining workscope cancelled, one recordable indication; weld must be inspected during U3C12 RFO in Spring 2006

V5 (Vertical) - 61.62% coverage obtained, no recordable indications; no reinspection required for a minimum of three (3) fuel cycles (six (6) years)

V6 (Vertical) - 61.62% coverage obtained, no recordable indications; no reinspection required for a minimum of three (3) fuel cycles (six (6) years)

Core Shroud Support Welds Examinations: BWRVIP-38

H8 (Shroud Support Plate to Cylinder) - Visual examination performed in lieu of originally scheduled UT inspection due to tooling problems, no recordable indications; six (6)-year reinspection interval mandated for visual examination

H9 (Shroud Support Plate to RPV Wall) - Manual UT examination, no recordable indications; ten (10)-year reinspection interval is permissible

Steam Dryer Visual Examinations: GE Letter Number BFSE 94-002 and GE SIL NO. 644 S1

The following locations were visually inspected per GE SIL No. 644 S1:

Vertical Rib Areas - 12 vertical welds inspected

End Plates - Dryer Cover Plates at 90° & 270° and Dryer Manway at 90° inspected

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OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.	
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

No recordable indications were reported.

The following locations were inspected in response to INPO Operating Experience (OE):

Dryer Leveling Screw Tack Welds - No leveling screws were observed at 95° & 275° locations
Original stabilizer/tie bars - All original tie bars and attachment welds intact
Dryer surface - In-vessel visual inspection (IVVI) of the Steam Dryer surface performed during the U3C11 RFO identified a light coating of unusual crud deposits.

The heaviest deposition occurred on the vessel cladding adjacent to the Dryer Support Bracket at Azimuth 185° and the Main Steam Line Nozzle (N3-C) at Azimuth 255°.

The deposits were similar in color and consistency to those found at Perry Nuclear Station and documented in INPO Operating Experience (OE) 16233. BFER No. 04-002165-000 has been prepared to coordinate the site responses to this finding.

The following location was inspected in response to GE Letter BFSE 94-002:
Dryer Drain Channel #3 Welds (horizontal and vertical) at 230° - No recordable indications

The following location was inspected to ensure that repairs performed during the U3C11A Mid-Cycle Outage in June 2003 were still intact:
Stabilizer/Tie Bar repairs - All repairs were intact, no recordable indications.

IVVI performed in accordance with SI-4.6.G during the U3C11 RFO identified evidence of wear on the top half of the steam dryer support bracket lug and the sacrificial wear pad at azimuth 275°. In addition, there was a piece of metal missing from the right-hand corner of the corresponding bracket lug. An additional examination was performed in order to verify the physical condition of both the lug and bracket. The results from the examination did not reveal any indications on the pad or the accompanying welds, nor did it reveal any indications on the support bracket lug. The joint assembly of the support bracket and companion lug had a total of three missing pieces of metal, none of which would preclude the bracket/lug from performing their intended design function, which is to support the weight of the dryer assembly. In addition, the surface where the metal was missing from had indications of a fresh failure (little corrosion product buildup), which is evidence that the metal loss was a recent occurrence (within at least one fuel cycle). The most probable cause of this metal loss appears to be contact between the lug and mating support bracket, the result of impact caused during reinstallation of the steam dryer during either the U3C10 RFO in Spring 2002 or the U3C11A Mid-Cycle Outage in June 2003. BFER No. 04-002200-000 has been prepared to coordinate the site responses to this finding.

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OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Jet Pump Visual Examinations: BWRVIP-41

The following medium priority safety locations were visually inspected per BWRVIP-41 for Jet Pumps 1, 2, 11, 12, 13, 14, 17, 18, 19, and 20:

Riser Brace to Vessel Pad Welds (RB-1abcd)
Riser Brace to Yoke Welds (RB-2abcd)
Restrainer Bracket to Riser Pipe Weld (RS-6)
Restrainer Bracket to Riser Pipe Weld (RS-7)
Riser Brace Yoke to Riser Pipe - Upper Weld (RS-8)
Riser Brace Yoke to Riser Pipe - Lower Weld (RS-9)
Connection between Inlet and Mixer for Single Hole Nozzle (IN-4)
Mixer - Barrel to Adapter Weld (MX-2)
Diffuser Collar to Diffuser Shell Weld (DF-1)

No recordable indications were reported.

The following medium priority safety locations were visually inspected per BWRVIP-41 for Jet Pumps 1, 2, 4, 11, 12, 13, 14, 17, 18, 19, and 20:

Restrainer Bracket Assembly - Wedge Bearing Surface (WD-1)
Restrainer Bracket Assembly - Surface between Adjusting Set Screw and Mixer (AS-1)
Restrainer Bracket Assembly - Adjusting Set Screw Tack Welds

No recordable indications were noted with the following exceptions:

The wedge bearing surface was found to be off-center for Jet Pump #4 during the U3C10 RFO. One of the stipulations of the Justification for Continued Operation (JCO) prepared at that time was that this same location would be reinspected during the U3C11 RFO. No discernible changes were noted.

During the course of the U3C11 RFO inspections, the wedge bearing surface for Jet Pumps #19 and #20 was found to be off-center. Additionally, the vessel side set screw for Jet Pump #20 was found to have a gap of 9 mils. All recordable indications were evaluated by GE Report No. GENE-0000-026-9548-01 R0 (EDMS R06 040319 833) and found to be acceptable for operation through the U3C12 Operating Cycle. However, inspection and/or repair will be required for Jet Pumps 4, 19, and 20 during the U3C12 RFO. BFPER No. 04-002305-000 has been prepared to coordinate the site responses to this finding.

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OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

Top Guide Examinations: BWRVIP-26

The following locations were visually inspected per BWRVIP-26:

Location 2 - Alignment Pins (2 adjacent aligner assemblies examined)

Location 3 - Socket/Bosses to Rim Welds (2 adjacent aligner assemblies examined)

Location 11 - Rim Welds (accessible locations at 0°, 90°, 180°, & 270° examined)

No recordable indications were reported.

Lower Plenum Examinations: BWRVIP-47

The following locations were visually inspected per BWRVIP-47 for ten (10) Control Rod Guide Tubes:

CRD Guide Tube Sleeve-to-Alignment Lug Weld (CRGT-1)

CRD Guide Tube Body-to-Sleeve Weld (CRGT-2)

CRD Guide Tube Base-to-Body Weld (CRGT-3)

Pin-to-Core Plate Weld and the Alignment Pin (FS/GT-ARPIN-1)

No recordable indications were reported. Because the scope was reduced from 19 to 10 Control Rod Guide Tubes during the U3C11 RFO, a total of 9 additional Control Rod Guide Tubes must be inspected by the U3C14 RFO in Spring 2010.

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

Inspections prior to Unit 3 Cycle 11 refueling outage were required in accordance with GE SIL-571. According to BWRVIP-49, "Instrument Penetration Inspection and Flaw Evaluation Guidelines", it is the intent that the inspection and evaluation guidelines be followed in place of any prior GE SIL (i. e. GE SIL-571) related to essential safety functions of the instrument penetrations. The BWRVIP-49 document follows ASME Section XI Code examinations, with no additional augmented BWRVIP examinations.

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

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

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

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

Inspections prior to Unit 2 Cycle 12 refueling outage were required in accordance with GE SIL-571. According to BWRVIP-27, "BWR Standby Liquid Control System/Core Plate deltaP Inspection and Flaw Evaluation Guidelines", it is the intent that the inspection and evaluation guidelines be followed in place of any prior GE SIL (i. e. GE SIL-571) related to essential safety functions of the instrument penetrations. The BWRVIP-27 document follows ASME Section XI Code examinations, with no additional augmented BWRVIP examinations. For commercial dependability, an ASME Section XI, IWB-2500, Code Category B-P, VT-2 examination for instrument penetrations shall be performed as an augmented examination. A VT-2 leakage inspection shall be performed of the safe end to nozzle weld and safe end during the drywell leakage test performed each outage. Insulation removal is not necessary to perform the leak check.

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

Paragraph 7.11.8 Weld Inspection For Pipe Whip Protection

Additional examinations shall be performed each inspection interval on selected circumferential pipe welds to provide additional protection against pipe whip in accordance with TSR 3.4.3.2. This TSR identifies the need to meet as closely as possible the requirements of ASME Section XI and NRC accepted alternatives. Therefore, examination volumes, examination methods, and acceptance standards for piping welds examined in accordance with TSR 3.4.3.2 should be similar to the RI-ISI Program. These examination criteria utilized for the RI-ISI Program is specified in Table 1, Examination Category R-A, Item No. R1.11 and R1.16 of Code Case N-577.

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35609-2000
UNIT: THREE	CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.
COMMERCIAL SERVICE DATE: MARCH 1, 1977	
NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.	

The following welds were ultrasonically examined during the cycle 11 refueling outage to locate evidence of pipe whip:

TSCS-3-407
GFW-3-29
GFW-3-32
KFW-3-13
KFW-3-31
THPCI-3-071
THPCI-3-072
KMS-3-024
KMS-2-104
DSRHR-3-07
RWCU-3-001-G019

Examination results: The examinations were acceptable.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
OFFICE OF NUCLEAR POWER P.O. BOX 2000
1101 MARKET STREET DECATUR, ALABAMA 35609-2000
CHATTANOOGA, TENNESSEE 37402

UNIT: THREE CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

ATTACHMENT 1

SECTION 2

EXAMINATIONS PERFORMED DURING

UNIT 3 CYCLE 11 OUTAGE

EXAM REQUIREMENTS
 0T1365 B01-02
 B02-02 B04-02
 B06-02 V01-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
CSS	DCS-3-04	3-ISI-0331-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040312	R-136	P	
CSS	DSCS-3-01	3-ISI-0331-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040312	R-135	P	
CSS	DSCS-3-07	3-ISI-0331-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040312	R-137	P	
CSS	DSCS-3-09	3-ISI-0331-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040308	R-114	P	
CSS	TSCS-3-407	3-ISI-0331-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040308	R-113	P	
FWS	GFW-3-29	3-ISI-0327-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040309	R-120	P	
FWS	GFW-3-32	3-ISI-0327-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040307	R-112	P	
FWS	KFW-3-13	3-ISI-0327-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040306	R-097	P	
FWS	KFW-3-31	3-ISI-0327-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040304	R-096	P	
HPCIS	THPCI-3-071	3-ISI-0333-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040309	R-122	P	
HPCIS	THPCI-3-072	3-ISI-0333-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040309	R-123	P	
MSS	KMS-3-024	3-ISI-0329-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040304	R-076	P	
MSS	KMS-3-104	3-ISI-0329-C-01 01	B04-02	B-J	TS3432	UT	ALTCS	20040304	R-077	P	
RHRS	DRHR-3-03B	3-ISI-0330-C-01 01	B02-02	G	NU0313	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RHRS	DRHR-3-04	3-ISI-0330-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040310	R-118	P	
RHRS	DRHR-3-13	3-ISI-0330-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040311	R-125	P	
RHRS	DRHR-3-13B	3-ISI-0330-C-01 01	B02-02	G	NU0313	VT-2		20040325	R-200	P	*3-SI-3.3.1.A
RHRS	DSRHR-3-05A	3-ISI-0330-C-01 01	B02-02	C	NU0313	UT	ALTSS	20040311	R-126	P	
RHRS	DSRHR-3-07	3-ISI-0330-C-01 01	B04-02	B-J	TS3432	UT	ALTSS	20040310	R-119	P	
RHRS	TRHR-3-191	3-ISI-0330-C-01 01	B02-02	C	NU0313	UT	BF-87	20040306	R-189	P	
RPV	ACCESS HOLE COVE	N/A	0T1365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	CORE-PLATE BOLTS	N/A	0T1365	N/A	N/A	VT-3		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)

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EXAM REQUIREMENTS
 OTI365 B01-02
 B02-02 B04-02
 B06-02 V01-02

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	CS PIPING		OTI365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	CS SPARGERS		OTI365	N/A	N/A	VT-1		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	CS SPARGERS		OTI365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	GUIDE TUBES	N/A	OTI365	N/A	N/A	VT-3		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	N10-SE	ISI-0445-C-01 01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N11A-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N11B-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N12A-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N12B-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N16A-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N16B-SE	3-ISI-0346-C-01	B06-02	BWRVIP-	N/A	VT-2		20040325	R-200	P	*3-SI-3.3.1A
RPV	N4A-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-151	P	*Procedure 54-ISI-850-03. SDCN# 30-5037583-00
RPV	N4B-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-152	P	*Procedure 54-ISI-850-03. SDCN# 30-5037583-00
RPV	N4C-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-153	P	*Procedure 54-ISI-850-03. SDCN# 30-5037583-00
RPV	N4D-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-154	P	*Procedure 54-ISI-850-03. SDCN# 30-5037583-00
RPV	N4E-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-155	P	*Procedure 54-ISI-850. SDCN# 30-5037583-00
RPV	N4F-IR/NB	3-ISI-0327-C-01	B01-02	B-D	NU0619	UT	BF-18	20040307	R-156	P	*Procedure 54-ISI-850. SDCN# 30-5037583-00
RPV	RECIRC JET PUMPS		OTI365	N/A	N/A	VT-1		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	RECIRC JET PUMPS		OTI365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	RECIRC JET PUMPS		OTI365	N/A	N/A	VT-3		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01).
RPV	RPV-STUDS-3-47	3-ISI-0267-C-01 01	V01-02	B-G-1	B6. 30	UT	BF-126	20040322	R-201	P	VOLUNTARY EXAM. REFERENCE PER# 04-0020007-000. ADDITIONAL EXAMINER K.SMITH

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EXAM REQUIREMENTS
 OTI365 B01-02
 B02-02 B04-02
 B06-02 V01-02

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

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

UNIT: THREE CYCLE: 11 COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
RPV	RPV-STUDS-3-48	3-ISI-0267-C-01 01	V01-02	B-G-1	B6.30	UT	BF-126	20040322	R-201	P	VOLUNTARY EXAM. REFERENCE PER# 04-0020007-000. ADDITIONAL EXAMINER K.SMITH
RPV	SHROUD WELD H-5	N/A	OTI365	N/A	N/A	UT	**	20040318	R-211A	P	*54-ISI-107-05 (SDCN# 30-5038974-00). ** VENDOR CAL STND.
RPV	SHROUD WELD H-6	N/A	OTI365	N/A	N/A	UT	**	20040320	R-211B	P	*54-ISI-107-05 (SDCN# 30-5038974-00). ** VENDOR CAL STND.
RPV	SHROUD WELD H-7	N/A	OTI365	N/A	N/A	UT	**	20040320	R-211C	P	*54-ISI-107-05 (SDCN# 30-5038974-00). ** VENDOR CAL STND.
RPV	SHROUD WELD H-8	N/A	OTI365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	SHROUD WELD V-5	N/A	OTI365	N/A	N/A	UT	**	20040320	R-211D	P	*54-ISI-107-05 (SDCN# 30-5038974-00). ** VENDOR CAL STND.
RPV	SHROUD WELD V-6	N/A	OTI365	N/A	N/A	UT	**	20040320	R-211E	P	*54-ISI-107-05 (SDCN# 30-5038974-00). ** VENDOR CAL STND.
RPV	STEAM DRYER		OTI365	N/A	N/A	VT-1		20040302	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	STEAM DRYER		OTI365	N/A	N/A	VT-3		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	SURV SAMPL HLDR	N/A	OTI365	N/A	N/A	VT-1		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	SURV SAMPL HLDR	N/A	OTI365	N/A	N/A	VT-3		20040302	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	TOP GUIDE	N/A	OTI365	N/A	N/A	VT-1		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	TOP GUIDE	N/A	OTI365	N/A	N/A	VT-1E		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RPV	TOP GUIDE	N/A	OTI365	N/A	N/A	VT-3		20040320	R-098	P	*54-ISI-363-02 (30-5038911-01)
RWCU	RWCU-3-001-G019	3-ISI-0332-C-01 01	B04-02	B-J	TS3432	UT	ALTSS	20040305	R-084	P	

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OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

ATTACHMENT 2

IWE-BFN CONTAINMENT INSERVICE INSPECTION PROGRAM

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

SUMMARY OF INDICATIONS

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

The information contained in this report is provided in accordance with the requirements of 10CFR50.55a(b)(2)(ix)(A), evaluation of inaccessible areas, and 10CFR50.55a(b)(2)(ix)(D), evaluation for additional examinations, as they pertain to containment inservice examinations performed during the BFN Unit 3 Cycle 11 refueling outage.

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

OWNER: TENNESSEE VALLEY AUTHORITY 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.	

Report No: CISI-311-004 through 023

Component: DW-LNR-3-1

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-003 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-003 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY OFFICE OF NUCLEAR POWER 1101 MARKET STREET CHATTANOOGA, TENNESSEE 37402	PLANT: BROWNS FERRY NUCLEAR PLANT P.O. BOX 2000 DECATUR, ALABAMA 35602
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UNIT: THREE **CERTIFICATE OF AUTHORIZATION: NOT REQUIRED.**

COMMERCIAL SERVICE DATE: MARCH 1, 1977

NATIONAL BOARD NUMBER FOR UNIT: NOT REQUIRED.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-024 through 029

Component: DW-LNR-3-6

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-004 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-004 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-030 through 039

Component: DW-LNR-3-4

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-006 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-006 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-040 through 049
 CISI-311-054 through 064

Component: DW-LNR-3-5

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-008 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-008 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-065 through 068

Component: DW-LNR-3-3

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-009 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-009 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-070 through 075

Component: PSC-EXT-3-B-5, -6, -7, and -12

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-014 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating and random mechanical damage. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The base metal was checked for excessive pitting in the areas of mechanical. Only light rust was found. The indications noted were evaluated to be acceptable. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas. The condition has been addressed by removal of the coating and examination of liner in the affected areas. The protective coating has been repaired in accordance with MAI-5.3 and G-55.

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

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

NOI U3C11-014 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating and random mechanical damage. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped and surface prepped for recoating under Work Order 04-712938-000. Base metal was checked for excessive pitting in areas of mechanical damage. Only minor rust was found.

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

The condition documented is not considered to be a defective condition with respect to the steel containment vessel. The condition has been addressed by removal of the coating and examination of liner in the affected areas. The protective coating has been repaired in accordance with MAI-5.3 and G-55. Therefore, additional examinations are not warranted

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-076 through 111

Component: DW-LNR-3-2

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-010 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-010 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of flaking or delamination of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal and is in good condition with no reportable conditions. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. In areas where the topcoat has been scraped back to sound coating, the zinc primer is intact and will provide corrosion protection for the primary containment boundary. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-113 through 132

Component: VNT-HDR-3-1A, -6A, -8A,
VNT-PIP-3-3, -7, -9, -11, -16

Condition/Indication: Flaking or delamination of the applied coating.

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

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

NOI U3C11-012 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of delamination or peeling of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal. In areas where the overspray topcoat was removed the original base coating was still intact. There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. The condition has been addressed by removal of the coating and examination of the liner in the affected area.

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

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

NOI U3C11-012 documents indications noted during the VT-3 examination of the containment vessel surface in areas identified for coating removal. The indications noted consist of areas of delamination or peeling of the applied coating. This examination was performed to satisfy the requirements of IWE 2500(b), examination of coatings prior to removal.

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

The exposed liner surface in these areas has been inspected after coating removal. In areas where the overspray topcoat was removed the original base coating was still intact.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

(3) A description of the necessary corrective actions:

Areas of coating failure (e.g., delamination, peeling, etc.) were scraped back until proper coating adhesion (sound coating) was obtained. The condition has been addressed by removal of the coating and examination of the liner in the affected area. Re-coating will be done in accordance with MAI-5.3 during future outage maintenance work.

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

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

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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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.

Report No: CISI-311-138

Component: PSC-INT-3-B-1C through 3-B-16C

Condition/Indication: Scratches and rust bleed through.

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

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

NOI U3C11-019 documents indications noted during the VT-1 examination of the torus interior surface air/water interface area, EL 536 to 538 ft. This examination was performed to satisfy the requirements Table IWE 2500, Examination Category E-C, Item E4.11. The indications consist of scratches the entire 360° on both the inboard and outboard portion of the torus shell. Minor localized corrosion (rust through) does exist. The condition of the base metal ranges from no oxidation to localized pinpoint rusting in areas around the ring girders. Moderate sludge entrapment/staining predominantly at the waterline was identified.

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

Metallic containment interior surfaces are coated. No visible signs of flaking, peeling, blistering, cracking, or other signs of distress indicative of structural degradation were found. The area is exposed to demineralized water during service. The conditions noted do not affect the structural integrity or leak tightness of the torus and are expected conditions based on the age and service life of the component. There is no accelerated degradation exhibited by this component. Therefore the component is acceptable for continued use.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. The subject indications have been evaluated for continued service without repair. Therefore, no adverse condition exists that may be present in inaccessible areas.

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

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

NOI U3C11-019 documents indications noted during the VT-1 examination of the torus interior surface air/water interface area, EL 536 to 538 ft. This examination was performed to satisfy the requirements Table IWE 2500, Examination Category E-C, Item E4.11. The indications consist of scratches the entire 360° on both the inboard and outboard portion of the torus shell. Minor localized corrosion (rust through) does exist. The condition of the base metal ranges from no oxidation to localized pinpoint rusting in areas around the ring girders. Moderate sludge entrapment/staining predominantly at the waterline was identified. The conditions noted are expected based on the age and service conditions of the component.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

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

No visible signs of flaking, peeling, blistering, cracking, or other signs of distress indicative of structural degradation were found. The area is exposed to demineralized water during service. The conditions noted do not affect the structural integrity or leak tightness of the torus and are expected conditions based on the age and service life of the component. There is no accelerated degradation exhibited by this component.

(3) A description of the necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel and no accelerated degradation exhibited by this component. The conditions noted are expected based on the age and service conditions of the component. The subject indications have been evaluated for continued service without repair.

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

The condition documented is not considered to be a defective condition with respect to the acceptance criteria of IWE 3512.1. Therefore, additional examinations are not warranted.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

Report No: CISI-311-139

Component: PSC-INT-3-B-1B through 3-B-16B

Condition/Indication: Scratches and rust bleed through.

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

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

NOI U3C11-020 documents the indications noted during the VT-3 examination of the torus interior submerged surface prior to coating repair. This examination was performed to satisfy the requirements of IWE-2500(b), examination of surface prior to removal of coatings. The indications consist of numerous areas of coating distress, ranging from discoloration to minor localized corrosion. The conditions noted are expected conditions based on the age and service condition of the component.

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

The Torus normal wall thickness is $\frac{3}{4}$ ". Dry film thickness ranges from 12 mils to 25 mils (The required minimum thickness is 10 mils and the maximum is 25 mils). The condition of the base metal ranges from no oxidation to localized pitting with base pit depth up to 78 mils, with a total metal loss ranging from less than 20 mils up to 60 mils on plate #2, in Bay 5. Pitting occurred sporadically in each bay, with the greatest number of pits occurring in Bays #5, #6, #7, and #8. The overall loss of base metal is minimal in the affected areas and reapplication of protective coatings will limit further degradation. The conditions noted do not impact the structural integrity or leak tightness of the torus, and are expected conditions based on the age and service condition of the component. There is no accelerated degradation exhibited by this component. Therefore, the component is acceptable for continued service.

(3) Description of necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the steel containment vessel. The conditions noted are expected based on the age and service conditions of the component. The subject indications have been evaluated for continued service without repair.

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

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

NOI U3C11-020 documents the indications noted during the VT-3 examination of the torus interior submerged surface prior to coating repair. The indications consist of numerous areas of coating distress, ranging from discoloration to minor localized corrosion. The Torus normal wall thickness is $\frac{3}{4}$ ". Dry film thickness ranges from 12 mils to 25 mils (The required minimum thickness is 10 mils and the maximum is 25 mils). The condition of the base metal ranges from no oxidation to localized pitting with base pit depth up to 78 mils, with a total metal loss ranging from less than 20 mils up to 60 mils on plate #2, in Bay 5. Pitting occurred sporadically in each bay, with the greatest number of pits occurring in Bays #5, #6, #7, and #8. The conditions noted are expected conditions based on the age and service condition of the component.

OWNER: TENNESSEE VALLEY AUTHORITY PLANT: BROWNS FERRY NUCLEAR PLANT
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.

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

The overall loss of base metal is minimal in the affected areas and reapplication of protective coatings will limit further degradation. The conditions noted do not impact the structural integrity or leak tightness of the torus, and are expected conditions based on the age and service condition of the component. There is no accelerated degradation exhibited by this component.

(3) A description of the necessary corrective actions:

There is no degradation that affects the structural integrity or leak tightness of the torus and no accelerated degradation exhibited by this component. The conditions noted are expected based on the age and service conditions of the component. The subject indications have been evaluated for continued service without repair.

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

The condition documented is not considered to be a defective condition with respect to the acceptance criteria of IWE 3510.2. Therefore, additional examinations are not warranted.

BROWNS FERRY
NUCLEAR PLANT

UNIT 3 CYCLE 11

ASME SECTION XI

NIS-1 OWNER'S REPORT
ON
SYSTEM PRESSURE TESTS

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

SYSTEM PRESSURE TEST SUMMARY REPORT

FORM NIS-1 (Back)

- 8. Examination Dates 10/03/2003 to 03/25/2004
- 9. Inspection Period Identification Third Period, 11/19/2002 to 11/18/2005
- 10. Inspection Interval Identification Second Interval, 11/19/1996 to 11/18/2005
- 11. Applicable Edition of Section XI 1989 Addenda None
- 12. Date/Revision of Inspection 01/22/1997 / Revision 0
- 13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.
See Appendix I
- 14. Abstract of Results of Examinations and Tests.
See Appendix II
- 15. Abstract of Corrective Measures.
See Appendix III

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 6/15, 2004 Signed Tennessee Valley Authority by Stephen C. Wilford
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 10-3-03 to 6/16/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests 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.

Paul Flord Commissions TN 4011
Inspector's Signature National Board, State, Province, and Endorsements
Date 6/16, 2004

Owner: TENNESSEE VALLEY AUTHORITY
1101 Market Street
Chattanooga, TN 37402-2801

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

Unit: Three

Certificate of Authorization: Not Required

Commercial Service Date: March 1, 1977

National Board Number for Unit: Not Required

FORM NIS-1 Sheet 2 of 6

APPENDIX I

Appendix I addresses item 13, Abstract of Examinations and Tests, on the Form NIS-1. Appendix I includes the next two pages which provide a list of the Class 1 and 2 System Pressure Tests performed on BFN Unit 3 during this operating cycle and refueling outage.

The following Class 2 System Pressure Tests were not performed or completed during the U3C11 operating cycle or refueling outage and are required to be completed prior to the end of this current inspection period.

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

EXAM REQUIREMENTS
Pressure Tests

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

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

UNIT: THREE CYCLE: 11 **COMMERCIAL SERVICE DATE: MARCH 1, 1977**

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
CRDS	3-SI-3.3.7	N/A	89E-02	C-H	C7.20	VT-2		20031003	R-003	P	
CRDS	3-SI-3.3.7	N/A	89E-02	C-H	C7.40	VT-2		20031003	R-003	P	
CRDS	3-SI-3.3.7	N/A	89E-02	C-H	C7.80	VT-2		20031003	R-003	P	
FPCS	3-SI-3.3.3	N/A	89E-02	D-C	D3.10	VT-2		20040321	R-048	P	SCW 6/14/04
MSS	3-SI-3.3.1.C	N/A	89E-02	C-H	C7.40	VT-2		20040301	R-045	P	
MSS	3-SI-3.3.1.C	N/A	89E-02	C-H	C7.40	VT-2		20040467	R-218	P	SCW 6/14/04
MSS	3-SI-3.3.1.C	N/A	89E-02	C-H	C7.80	VT-2		20040301	R-045	P	
MSS	3-SI-3.3.1.C	N/A	89E-02	C-H	C7.80	VT-2		20040467	R-218	P	SCW 6/14/04
MSS	3-SI-3.3.1.D	N/A	89E-02	C-H	C7.40	VT-2		20040301	R-046	P	
MSS	3-SI-3.3.1.D	N/A	89E-02	C-H	C7.80	VT-2		20040301	R-046	P	
RHRS	3-SI-3.3.8.B		89E-02	C-H	C7.40	VT-2		20040302	R-047	P	
RHRS	3-SI-3.3.8.B		89E-02	C-H	C7.80	VT-2		20040302	R-047	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	B-P	B15.11	VT-2		20040325	R-200	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	B-P	B15.51	VT-2		20040325	R-200	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	B-P	B15.61	VT-2		20040325	R-200	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	B-P	B15.71	VT-2		20040325	R-200	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	C-H	C7.40	VT-2		20040325	R-200	P	
RPV	3-SI-3.3.1.A	N/A	89E-02	C-H	C7.80	VT-2		20040325	R-200	P	
SLCS	3-SI-3.3.4	N/A	89E-02	B-P	B15.51	VT-2		20040321	R-049	P	
SLCS	3-SI-3.3.4	N/A	89E-02	B-P	B15.71	VT-2		20040321	R-049	P	
SLCS	3-SI-3.3.4	N/A	89E-02	C-H	C7.20	VT-2		20040321	R-049	P	
SLCS	3-SI-3.3.4	N/A	89E-02	C-H	C7.40	VT-2		20040321	R-049	P	

EXAM REQUIREMENTS
Pressure Tests

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

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

UNIT: THREE CYCLE: 11

COMMERCIAL SERVICE DATE: MARCH 1, 1977

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

System	Component Number	ISO Drawing	Exam Requirement	Category	Item Number	Exam Scheduled	Calibration Standard	Exam Date	Exam Report	Exam Results	Comments
SLCS	3-SI-3.3.4	N/A	89E-02	C-H	C7.60	VT-2		20040321	R-049	P	
SLCS	3-SI-3.3.4	N/A	89E-02	C-H	C7.80	VT-2		20040321	R-049	P	

Owner: TENNESSEE VALLEY AUTHORITY
1101 Market Street
Chattanooga, TN 37402-2801

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

Unit: Three

Certificate of Authorization: Not Required

Commercial Service Date: March 1, 1977

National Board Number for Unit: Not Required

FORM NIS-1 Sheet 5 of 6

APPENDIX II

Appendix II addresses item 14, Abstract of Results of Examinations and Tests, on the Form NIS-1.

Eight (8) relevant leaks were identified during the system pressure tests covered by this report. The leaks are listed below.

Five (5) leaks were identified during the Class 1 primary system leak test, 3-SI-3.3.1.A

3-FCV-74-54 leak at bolted body to bonnet connection
3-CRDM-85-42-23 leak at bolted flange connection
3-CRDM-85-26-31 leak at bolted flange connection
3-LPRM-92-24-33 leak at bolted flange connection
3-FCV-85-39B/3011 leak at bolted body to bonnet connection

One (1) leak was identified during the Class 2 Main Steam system leak test, 3-SI-3.3.1.C.

3-CKV-73-629 through wall leak

Two (2) leaks was identified during the Class 2 small bore primary system piping leak test, 3-SI-3.3.1.D.

3-FCV-85-39A/5031 leak at bolted body to bonnet connection
3-FCV-85-39A/3839 leak at bolted body to bonnet connection

Owner: TENNESSEE VALLEY AUTHORITY
1101 Market Street
Chattanooga, TN 37402-2801

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

Unit: Three

Certificate of Authorization: Not Required

Commercial Service Date: March 1, 1977

National Board Number for Unit: Not Required

FORM NIS-1 Sheet 6 of 6

APPENDIX III

Appendix III addresses item 15, Abstract of Corrective Measures, on the Form NIS-1.

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

3-FCV-74-54 leak at bolted body to bonnet connection
Evaluated per 3-SPT-4 and bonnet bolting retorqued.

3-CRDM-85-42-23 leak at bolted flange connection
Evaluated per 3-SPT-4, per GE recommendations no further actions were required.

3-CRDM-85-26-31 leak at bolted flange connection
Evaluated per 3-SPT-4, per GE recommendations no further actions were required.

3-LPRM-92-24-33 leak at bolted flange connection
Evaluated per 3-SPT-4 and because of the small leakage rate no further actions were recommended.

3-FCV-85-39B/3011 leak at bolted body to bonnet connection
Evaluated per 3-SPT-4, leakage stopped, no further actions were required.

3-CKV-73-629 through wall leak
Replaced valve with a new valve during the outage.

3-FCV-85-39A/5031 leak at bolted body to bonnet connection
Evaluated per 3-SPT-4, leakage stopped, no further actions were required.

3-FCV-85-39A/3839 leak at bolted body to bonnet connection
Evaluated per 3-SPT-4, leakage stopped, no further actions were required.

ENCLOSURE 2

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNIT 3
AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME),
SECTION XI, SECOND TEN-YEAR INSPECTION INTERVAL

REPAIR AND REPLACEMENTS PROGRAM

SUMMARY REPORT (NIS-2) FOR UNIT 3 CYCLE 11 OPERATION

(SEE ATTACHED)

BROWNS FERRY
NUCLEAR PLANT

UNIT 3 CYCLE 11

ASME SECTION XI

NIS-2 OWNER'S REPORT.

OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

**APPENDIX I _____ Summary of Repair and
Replacement Activities**

**APPENDIX II _____ Form NIS-2 Owner's Report
For 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>	<u>SYS</u>	<u>ORG</u>	<u>CLASS</u>	<u>ACTIVITY</u>
03-004240-000 02-006493-000	1	MAINT	1	REPLACEMENT
03-014166-000	74	MAINT	2	REPLACEMENT
03-014197-000 03-015194-000	74	MAINT	2 2	REPLACEMENT
00-004600-000 03-021071-000 through 03-021071-022	85	TVA	1 1 1	REPLACEMENT
03-014201-000 03-015180-000 03-015197-000 03-015198-000 03-015199-000 04-713248-000 04-713252-000 04-713628-000 04-713363-000 04-713795-000 04-713796-000 04-713797-000 04-713998-000	001	MAINT	1 1 1 1 1 1 1 1 1 1 1 1 1	REPLACEMENT
03-014912-000 02-016107-000	3	MAINT	1 1	REPLACEMENT
04-711362-001	6	TVA	2	REPLACEMENT
03-004245-000 03-004240-001	1	MAINT	1 1	REPLACEMENT
98-014414-001 98-014415-000	77	TVA	2 2	REPLACEMENT
00-003356-000 00-003356-004	73	TVA	1	REPLACEMENT

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>	<u>SYS</u>	<u>ORG</u>	<u>CLASS</u>	<u>ACTIVITY</u>
03-001433-000 03-001433-001 03-001433-002 03-001433-003	68	TVA	1	REPLACEMENT
04-713637-000 04-713660-000	1&3	MAINT	1	MODIFICATION
03-009034-000	73	MAINT	1	REPLACEMENT
04-713620-000	1	MAINT	1	REPLACEMENT
04-713337-000	69	MAINT	1	REPLACEMENT
04-712875-000	73	MAINT	2	REPLACEMENT
03-022867-000	73	MAINT	2	REPLACEMENT
03-015682-000	1	MAINT	2	REPLACEMENT
03-021156-000 03-021156-001 03-021156-002	85	MAINT	2	REPLACEMENT
04-713121-000 04-713285-000	1	MAINT	1	REPLACEMENT
03-006434-000	73	MAINT	2	MODIFICATION
02-015895-000 02-015897-000	1	MAINT	2	REPLACEMENT
04-713004-000	1	MAINT	1	REPLACEMENT
03-013482-000	1	MAINT	2	REPLACEMENT

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

LEGEND

WID - Work Implementing Document

Example: A99999A or 50000A refers to a Design Change Notice
99-999999-999 refers to a Work Order

SYS- System

1 - Main Steam	69 - Reactor Water Cleanup
3 - Reactor Feedwater	71 - Reactor Core Isolation Cooling
6 - Heater Drains & Vents	73 - High Pressure Coolant Injection
8 - Turbine Drains	74 - Residual Heat Removal
10 - Reactor Drains, Vents and Blowdown	75 - Core Spray
63 - Standby Liquid Control	85 - Control Rod Drive
68 - Reactor Water Recirculation	92 - Neutron Monitoring

ORG - Organization which performed the WID

MAINT - TVA's Maintenance Organization

GE - General Electric Company

TVA - Work performed by Stone and Webster Engineering Corporation
or Framatome utilizing TVA's Quality Assurance Program and procedures

CLASS - Refers to ASME Code Class 1 or 2

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

Owner: TENNESSEE VALLEY AUTHORITY
1101 Market Street
Chattanooga, TN 37402-2801

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

Unit: Three

Certificate of Authorization: Not Required

Commercial Service Date: March 1, 1977

National Board Number for Unit: Not Required

APPENDIX II

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

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

As Required by the Provisions of the ASME Code Section XI

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

Date September 3, 2003

Sheet 1 of 1

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

Unit 3

Work Order (WO) 03-004240-000 and 02-006493-000
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 001, Main Steam System (ASME Code Class 1 equivalent)

5. (a) Applicable Construction Code * ASME Section III, Article 9, 1965 and
ASME Section III 19 68 Edition, Summer 1970 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1061	N/A	3-PCV-001-0005	1968	Removed	Yes
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1070	N/A	3-PCV-001-0005	1968	Installed	Yes

7. Description of Work Replaced Main Steam Relief valve main body with a refurbished valve body. The replacement valve had one pressure retaining bolt and 12 spline nuts replaced. All inlet and outlet bolting was replaced.

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

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

*reference additional quality assurance requirements found in GE P. O. 205AJ600, and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks The main valve body was replaced with rebuilt valve body previously used on Unit 2 (same manufacturer/model number).
Applicable Manufacturer's Data Reports to be attached
As a part of the Tech Spec required valve inspections WO 03-004240-000 replaced 3-PCV-001-0005 with a rebuilt valve previously used
in BFN Unit 2 (2-PCV-001-0022, S/N 1070) and installed new inlet and outlet flange studs and nuts. The replacement valve was removed
from Unit 2 by WO 02-006492-000 and refurbished by WO 02-006493-000 (A pressure retaining bolt & 12 spline nuts were replaced
under WO 02-006493-000). Inlet studs and outlet studs and nuts were replaced for ease of maintenance and ALARA considerations.

N-2 report attached for hex head bolts, Lot Code DNP
N-2 report attached for nuts, Item 115, Lot code SPS-7 -SCW 9/11/03
MMH 9/16/03

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Wilford*, System Engineer Date 9/3, 20 03
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 Virginia and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 6/11/03 to 9/16/03, 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.

MMH Commissions VA-424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/16 20 03

0894-3262

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by Target Rock Corp., 1966E Broadhollow Rd, E. Farmingdale, NY

2. Manufactured for General Electric Co., 175 Curtner Ave, San Jose, CA 95125

3. Location of installation Browns Ferry, Decatur, AL

4. Type: 103580-1 SA 193 GR B7 125 KSI N/A 1991

5. ASME Code, Section III, Division 1: 1968 Summer 1970 1 None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: Spare parts for a completed valve assembly - Model 7567F
Hex Head Bolt, Lot Code DNP, QTY 12

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 1-25, mostly N/A.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 26-50, mostly blank.

10 Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F

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

Certificate Holder's Serial Nos. _____ through _____

CERTIFICATION OF DESIGN

Design specifications certified by R. R. Ghosh P.E. State CA Reg. no. 1E71
Design report certified by D. M. Patarini P.E. State NY Reg. no. 029841

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) _____ Part _____ conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. 1948 Expires 12-12-92
Date 10/25/91 Name Target Rock Corporation Signed [Signature]
(NPT Certificate Holder) (Authorized Representative)
J. E. Bajada, Q.A. Manager

CERTIFICATE OF 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 New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this Data Report on 10/25/91 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or of any kind arising from or connected with this inspection.

Date 10/25/91 Signed [Signature] N. Y. STATE COMMISSION NO. 2288
(Authorized Inspector) COMMISSIONS ALSO COMMISSIONED IN PENN., OHIO & CONN.
(Not to be used for endorsements and state or prov. and no.)

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

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

1. Manufactured and certified by Target Pack Corp., 1966E Broadhollow Rd, E. Farmingdale, NY 11735
(name and address of certificate holder)
2. Manufactured for Tennessee Valley Authority, Chattanooga, TN 37401
(name and address of purchaser)
3. Location of installation Browns Ferry Nuclear Plant, Athens, Alabama 35611
(name and address)
4. Type See Back See Back See Back N/A 1988
(drawing no.) (mat'l. spec. no.) (nominal strength) (CRS) (year built)
5. ASME Code, Section III: 1968 Summer 1970 1 N/A
(edition) (addenda) (class) (Code Case no.)
6. Fabricated in accordance with Const.-Spec. (Div.-2-only) N/A Revision N/A Date N/A
(No.)
7. Remarks: Spare Parts for a completed valve assembly, 25 Bolts, Item 107, 688 Nuts, Item 115 for valve style 7567F-000

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) <u>N/A</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

- 10 Design pressure N/A psi Temp. N/A °F. Hydro. test pressure N/A at temp. °F.
(when applicable)

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

CERTIFICATE OF DESIGN

Design specifications certified by R. R. Ghosh P. E. state Calif. Reg. no. 16371
(when applicable)
 Design report* certified by D. M. Patarini P. E. state NY Reg. no. 029841
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part
 conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. 1948 Expires 12-9-89

Date 6/7/88 Name Target Rock Corporation Signed William A. O'Brien, Q.A. SUPERVISOR
(NPT Certificate Holder) (Authorized representative)
 For G. Abruzzo, Q.A. Manager

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 or province of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this data report on 6/7/88 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 6/7/88 Signed William A. O'Brien **NEW YORK STATE COMMISSION NO. 2288**
(Authorized Inspector) COMMISSIONED IN Penn., Ohio & Conn.
(Natl. Bd. (incl. endorsements) State or prov. and no.)

PL ITEM #	PART NAME	PART NAME	MATERIAL	TENSILE	LOT CODE
107	Bolt	204018-1 Rev. A	SA-193 B7	125,000 MIN	SPS-B7
115	Nut	204041-1 Rev. B	SA-194 GR 7	-	SPS-7

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

1. Owner Tennessee Valley Authority (TVA) Date December 29, 2003
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 03-014166-000
Repair/Replacement Organization P.O. No., Job No., etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 074, Residual Heat Removal (RHR) System (ASME Code Class 2 equivalent)
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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snubber) 3-47B452-1491	Bergen-Paterson	TVA Serial No. M0038	N/A	3-SNUB-074-5034	N/A	Removed	No
Support (Snubber) 3-47B452-1491	Bergen-Paterson	TVA Serial No. M0287	N/A	3-SNUB-074-5034	N/A	Installed	No

7. Description of Work Replaced snubber 3-SNUB-074-5034 with rebuilt snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other ** Pressure N/A psi Test Temp. N/A °F ** - See Remarks

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

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

FORM NIS-2 (Back)

9. Remarks WO 03-014166-000 - (3-SNUB-074-5034) -

Applicable Manufacturer's Data Reports to be attached

The original snubber (TVA Serial No. M0038) was removed as part of normal snubber program testing.

The replacement snubber (TVA Serial No. M0287) was previously used at BFN at 3-SNUB-074-5035 and was removed under

WO 00-004415-000. M0287 rebuilt and installed at 3-SNUB-074-5034 under WO 03-014166-000.

Rebuild of M0287 included replacement of a main cylinder tube. M0287 was functionally tested following rebuild per O-SI-4.6.H-2B.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Williams System Engineer
Owner or Owner's Designee Title

Date 12/30, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 11-20-03 to 12-30-03, 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.

Paul Howard
Inspector's Signature

Commissions

TN 4011

National Board, State, Province, and Endorsements

Date 12/30 20 03

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

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

Date May, 8, 2004

Sheet 1 of 1

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

Unit 3

Work Orders (WOs) 03-014197-000 and 03-015194-000
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 074, Residual Heat Removal (RHR) System (ASME Code Class 2 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snubber) 3-47B452-100	Bergen-Paterson	TVA Serial No. M0996	N/A	3-SNUB-074-5036	N/A	Removed	No
Support (Snubber) 3-47B452-100	Bergen-Paterson	TVA Serial No. M0109	N/A	3-SNUB-074-5036	N/A	Installed	No
Support (Snubber) 3-47B452-97	Bergen-Paterson	TVA Serial No. 10489	N/A	3-SNUB-074-5027	N/A	Removed	No
Support (Snubber) 3-47B452-97	Bergen-Paterson	TVA Serial No. 5505	N/A	3-SNUB-074-5027	N/A	Installed	No

7. Description of Work Replaced snubber 3-SNUB-074-5036 with a rebuilt snubber and replaced snubber 3-SNUB-074-5027 with a new snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other ** Pressure N/A psi Test Temp. N/A °F ** - See Remarks

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

*as amended by additional quality assurance requirements found in Contract 68C37-91602 835403, 246300 and Design Criteria BFN-50-7074 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks WO 03-014197-000 - (3-SNUB-074-5036) -

Applicable Manufacturer's Data Reports to be attached

The original snubber (TVA Serial No. M0996) was removed per the snubber 10% test program.

The replacement snubber (TVA Serial No. M0109) was rebuilt and functionally tested per O-SI-4.6.H-2B. Rebuild included replacement of a main cylinder tube. The replacement snubber (TVA Serial No. M0109) had been previously located at 2-SNUB-074-5018, removed by WO 02-006769-000.

WO 03-015194-000 - (3-SNUB-074-5027) -

The original snubber (TVA Serial No. 10489) was removed to perform functional test O-SI-4.6.H-2A. The original snubber (TVA Serial No. 10489) failed the functional test and was replaced with a new snubber. The test failure was later determined to be a computer problem on the test rig.

The replacement snubber (TVA Serial No. 5505) is a new snubber and was functionally tested per O-SI-4.6.H-2A.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed , System Engineer
Owner or Owner's Designee, Title

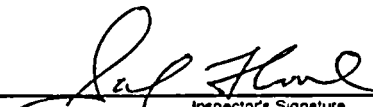
Date 5/8, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Conn and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 11/20/03 to 5/10/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature

Commissions TN 4011
National Board, State, Province, and Endorsements

Date 5/10/04 20 04

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

Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803

Manufacturer for Bergen Paterson Pipe-support Corp. 74 Commerce Way, Hibernia, Massachusetts, 01801
(Name and address of purchaser or owner)

Location of installation Unknown

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Next Board No.	(h) Year Built
5468-5472 5473-5567	None	1801112-09-D	DR-1333-REV. A	Linear	1	None	1980

Remarks: Built in accordance with TVA/C.P. Basin Design Spec. No. 400-20

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that these component supports conform to the rules of construction in ASME Code for Nuclear Power Plant Component II, Section III, Division 1, Edition 1977, Addenda Supp 1977
Case No. 1644-5
26 March 81 Signed Pacific Scientific by Bill Jackson
(NPT Certificate Number)
ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)
Issued Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Information on File at Pacific Scientific
Report or Load Capacity Data Sheets on File at Pacific Scientific
and Per EA 3256
Specifications Certified by (1) Alex Malenko PE State California
No. C22,109
Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
State California Reg. No. 13533
(1) Name only, signature not required.

Elemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. (2) information in items 1, 2, 3 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of form.

OK 3/1/81

FORM NF-1 (Back)

CERTIFICATE OF SHOP INSPECTION

I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of New York California and employed by ESBELL CO. of Hartford, CT have inspected the component supports described in this Data Report on 3-26 and state that to the best of my knowledge and belief the NPT 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 parts described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

3-26-80

W.H. Bucher Commissioner CP-1280
(Not a Notary Public)

CERTIFICATION OF FIELD INSPECTION

I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of _____ and employed by _____ 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 NPT 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 parts described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissioner _____
(Not a Notary Public)

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

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

Date May 18, 2004

Sheet 1 of 3

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

Unit 3

Work Orders (WO) 00-004600-000,
03-021071-000 through 03-021071-022,
Design Change Notice (DCN) S18883A
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 085, Control Rod Drive (CRD) System (ASME Code Class 1 equivalent)

5. (a) Applicable Construction Code ASME Section III 19 74 Edition, Winter 1975 Addenda, N207 1361-2 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Control Rod Drive Mechanism 30-59	General Electric Nuclear Energy	A5394	N/A	3-CRDM-085-30-59	1996	Removed	Yes
Control Rod Drive Mechanism 30-59	General Electric Nuclear Energy	A4369	N/A	3-CRDM-085-30-59	1996	Installed	Yes
Control Rod Drive Mechanism 38-51	General Electric Nuclear Energy	A4376	N/A	3-CRDM-085-38-51	1996	Removed	Yes
Control Rod Drive Mechanism 38-51	General Electric Nuclear Energy	A4683	N/A	3-CRDM-085-38-51	1996	Installed	Yes
Control Rod Drive Mechanism 30-47	General Electric Nuclear Energy	A5036	N/A	3-CRDM-085-30-47	1996	Removed	Yes
Control Rod Drive Mechanism 30-47	General Electric Nuclear Energy	A4718	N/A	3-CRDM-085-30-47	1996	Installed	Yes

Identification of Components continued on Sheet 2

7. Description of Work Replaced 24 Control Rod Drives (CRDMs) with new or rebuilt BWR/6 CRDMs.

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

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

FORM NIS-2 (Back)

9. Remarks Replaced 24 Control Rod Drives (CRDMs) with new or rebuilt BWR/6 CRDMs under the following WOs.
Applicable Manufacturer's Data Reports to be attached
The N-2 data reports are attached. Functional testing was performed under 3-SR-3.1.3.5(A) & (B), 3-SR-3.1.4.1 and 0-TI-20.
Pressure testing was performed as part of 3-SI-3.3.1.A.
-
- WO 00-004600-000 3-CRDM-085-30-59 The existing CRDM (A5394) was replaced with a new drive (A4369).
-
- WO 03-021071-000 3-CRDM-085-38-51 The existing CRDM (A4376) was replaced with a rebuilt drive (A4683). The replacement CRDM (A4683) was previously in service at 2-CRDM-085-42-39, removed by 02-010882-009 and refurbished by GE under P.O. 1704/Release 0237.
-
- WO 03-021071-001 3-CRDM-085-30-47 The existing CRDM (A5036) was replaced with a new drive (A4718). Replaced two flange bolts.
-
-
-
-

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Willard*, System Engineer Date 6/8, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 1/15/04 to 6/8/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul F. Ford Commissions TN 4011
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/8 20 04

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

Owner Tennessee Valley Authority (TVA)

Date May 18, 2004

1101 Market Street

Name

Chattanooga, TN 37402-2801

Address

Sheet 2 of 3

Unit 3

Work Orders (WO) 00-004600-000,
03-021071-000 through 03-021071-022,
Design Change Notice (DCN) S18883A

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

2. Plant Browns Ferry Nuclear Plant (BFN)

Name

P. O. Box 2000, Decatur, AL 35609-2000

Address

3. Work Performed by TVA-BFN

Name

P. O. Box 2000, Decatur, AL 35609-2000

Address

4. Identification of System System 085, Control Rod Drive System (ASME Code Class 1 equivalent)

5. (a) Applicable Construction Code ASME Section III 19 74 Edition, Winter 1975 Addenda, N207 1361-2 Code Case
Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Control Rod Drive Mechanism 34-47	General Electric Nuclear Energy	A3877	N/A	3-CRDM-085-34-47	1996	Removed	Yes
Control Rod Drive Mechanism 34-47	General Electric Nuclear Energy	A4783	N/A	3-CRDM-085-34-47	1996	Installed	Yes
Control Rod Drive Mechanism 38-43	General Electric Nuclear Energy	A3924	N/A	3-CRDM-085-38-43	1996	Removed	Yes
Control Rod Drive Mechanism 38-43	General Electric Nuclear Energy	A5424	N/A	3-CRDM-085-38-43	1996	Installed	Yes
Control Rod Drive Mechanism 30-39	General Electric Nuclear Energy	A3644	N/A	3-CRDM-085-30-39	1996	Removed	Yes
Control Rod Drive Mechanism 30-39	General Electric Nuclear Energy	A4727	N/A	3-CRDM-085-30-39	1996	Installed	Yes
Control Rod Drive Mechanism 34-39	General Electric Nuclear Energy	A3976	N/A	3-CRDM-085-34-39	1996	Removed	Yes
Control Rod Drive Mechanism 34-39	General Electric Nuclear Energy	A5300	N/A	3-CRDM-085-34-39	1996	Installed	Yes
Control Rod Drive Mechanism 38-39	General Electric Nuclear Energy	A4176	N/A	3-CRDM-085-38-39	1996	Removed	Yes
Control Rod Drive Mechanism 38-39	General Electric Nuclear Energy	A5050	N/A	3-CRDM-085-38-39	1996	Installed	Yes
Control Rod Drive Mechanism 26-35	General Electric Nuclear Energy	A4790	N/A	3-CRDM-085-26-35	1996	Removed	Yes
Control Rod Drive Mechanism 26-35	General Electric Nuclear Energy	A4425	N/A	3-CRDM-085-26-35	1996	Installed	Yes
Control Rod Drive Mechanism 30-35	General Electric Nuclear Energy	A5417	N/A	3-CRDM-085-30-35	1996	Removed	Yes
Control Rod Drive Mechanism 30-35	General Electric Nuclear Energy	A3666	N/A	3-CRDM-085-30-35	1996	Installed	Yes
Control Rod Drive Mechanism 34-35	General Electric Nuclear Energy	A3841	N/A	3-CRDM-085-34-35	1996	Removed	Yes
Control Rod Drive Mechanism 34-35	General Electric Nuclear Energy	A4276	N/A	3-CRDM-085-34-35	1996	Installed	Yes
Control Rod Drive Mechanism 38-35	General Electric Nuclear Energy	A3987	N/A	3-CRDM-085-38-35	1996	Removed	Yes
Control Rod Drive Mechanism 38-35	General Electric Nuclear Energy	A3806	N/A	3-CRDM-085-38-35	1996	Installed	Yes
Control Rod Drive Mechanism 18-31	General Electric Nuclear Energy	A4820	N/A	3-CRDM-085-18-31	1996	Removed	Yes
Control Rod Drive Mechanism 18-31	General Electric Nuclear Energy	A3118	N/A	3-CRDM-085-18-31	1996	Installed	Yes
Control Rod Drive Mechanism 26-31	General Electric Nuclear Energy	A4786	N/A	3-CRDM-085-26-31	1996	Removed	Yes
Control Rod Drive Mechanism 26-31	General Electric Nuclear Energy	A5228	N/A	3-CRDM-085-26-31	1996	Installed	Yes

Identification of Components continued on Sheet 3

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks

WO 03-021071-002 3-CRDM-085-34-47 The existing CRDM (A3877) was replaced with a new drive (A4783). Replaced two flange bolts.

WO 03-021071-003 3-CRDM-085-38-43 The existing CRDM (A3924) was replaced with a rebuilt drive (A5424). The replacement CRDM (A5424) was previously in service at 2-CRDM-085-14-15, removed by 02-010882-004 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-004 3-CRDM-085-30-39 The existing CRDM (A3644) was replaced with a new drive (A4727).

WO 03-021071-005 3-CRDM-085-34-39 The existing CRDM (A3976) was replaced with a rebuilt drive (A5300). The replacement CRDM (A5300) was previously in service at 2-CRDM-085-30-07, removed by 02-010882-006 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-006 3-CRDM-085-38-39 The existing CRDM (A4176) was replaced with a new drive (A5050).

WO 03-021071-007 3-CRDM-085-26-35 The existing CRDM (A4790) was replaced with a rebuilt drive (A4425). The replacement CRDM (A4425) was previously in service at 2-CRDM-085-42-27, removed by 02-010882-008 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-008 3-CRDM-085-30-35 The existing CRDM (A5417) was replaced with a new drive (A3666).

WO 03-021071-009 3-CRDM-085-34-35 The existing CRDM (A3841) was replaced with a rebuilt drive (A4276). The replacement CRDM (A4276) was previously in service at 2-CRDM-085-06-27, removed by 02-010882-003 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-010 3-CRDM-085-38-35 The existing CRDM (A3987) was replaced with a rebuilt drive (A3806). The replacement CRDM (A3806) was previously in service at 2-CRDM-085-46-47, removed by 02-010882-011 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-011 3-CRDM-085-18-31 The existing CRDM (A4820) was replaced with a new drive (A3118).

WO 03-021071-012 3-CRDM-085-26-31 The existing CRDM (A4786) was replaced with a new drive (A5228).

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

Owner Tennessee Valley Authority (TVA)
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address

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

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Date May 18, 2004

Sheet 3 of 3

Unit 3

Work Orders (WO) 00-004600-000,
03-021071-000 through 03-021071-022,
Design Change Notice (DCN) S18883A
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 085, Control Rod Drive System (ASME Code Class 1 equivalent)

5. (a) Applicable Construction Code ASME Section III 19 74 Edition, Winter 1975 Addenda, N207 1361-2 Code Case
Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Control Rod Drive Mechanism 30-31	General Electric Nuclear Energy	A4426	N/A	3-CRDM-085-30-31	1996	Removed	Yes
Control Rod Drive Mechanism 30-31	General Electric Nuclear Energy	A4799	N/A	3-CRDM-085-30-31	1996	Installed	Yes
Control Rod Drive Mechanism 34-31	General Electric Nuclear Energy	A5450	N/A	3-CRDM-085-34-31	1996	Removed	Yes
Control Rod Drive Mechanism 34-31	General Electric Nuclear Energy	A4690	N/A	3-CRDM-085-34-31	1996	Installed	Yes
Control Rod Drive Mechanism 30-27	General Electric Nuclear Energy	A5322	N/A	3-CRDM-085-30-27	1996	Removed	Yes
Control Rod Drive Mechanism 30-27	General Electric Nuclear Energy	A4774	N/A	3-CRDM-085-30-27	1996	Installed	Yes
Control Rod Drive Mechanism 34-27	General Electric Nuclear Energy	A4447	N/A	3-CRDM-085-34-27	1996	Removed	Yes
Control Rod Drive Mechanism 34-27	General Electric Nuclear Energy	A3828	N/A	3-CRDM-085-34-27	1996	Installed	Yes
Control Rod Drive Mechanism 38-27	General Electric Nuclear Energy	A5155	N/A	3-CRDM-085-38-27	1996	Removed	Yes
Control Rod Drive Mechanism 38-27	General Electric Nuclear Energy	A4239	N/A	3-CRDM-085-38-27	1996	Installed	Yes
Control Rod Drive Mechanism 30-23	General Electric Nuclear Energy	A5308	N/A	3-CRDM-085-30-23	1996	Removed	Yes
Control Rod Drive Mechanism 30-23	General Electric Nuclear Energy	A4106	N/A	3-CRDM-085-30-23	1996	Installed	Yes
Control Rod Drive Mechanism 34-23	General Electric Nuclear Energy	A8993	N/A	3-CRDM-085-34-23	1996	Removed	Yes
Control Rod Drive Mechanism 34-23	General Electric Nuclear Energy	A5068	N/A	3-CRDM-085-34-23	1996	Installed	Yes
Control Rod Drive Mechanism 38-23	General Electric Nuclear Energy	A5429	N/A	3-CRDM-085-38-23	1996	Removed	Yes
Control Rod Drive Mechanism 38-23	General Electric Nuclear Energy	A5439	N/A	3-CRDM085-38-23	1996	Installed	Yes
Control Rod Drive Mechanism 42-23	General Electric Nuclear Energy	A3834	N/A	3-CRDM-085-42-23	1996	Removed	Yes
Control Rod Drive Mechanism 42-23	General Electric Nuclear Energy	A4767	N/A	3-CRDM-085-42-23	1996	Installed	Yes
Control Rod Drive Mechanism 42-35	General Electric Nuclear Energy	A3707	N/A	3-CRDM-085-42-35	1996	Removed	Yes
Control Rod Drive Mechanism 42-35	General Electric Nuclear Energy	A4419	N/A	3-CRDM-085-42-35	1996	Installed	Yes

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks

WO 03-021071-013 3-CRDM-085-30-31 The existing CRDM (A4426) was replaced with a new drive (A4799).

WO 03-021071-014 3-CRDM-085-34-31 The existing CRDM (A5450) was replaced with a rebuilt drive (A4690). The replacement CRDM (A4690) was previously in service at 2-CRDM-085-34-23, removed by 02-010882-007 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-015 3-CRDM-085-30-27 The existing CRDM (A5322) was replaced with a new drive (A4774).

WO 03-021071-016 3-CRDM-085-34-27 The existing CRDM (A4447) was replaced with a rebuilt drive (A3828). The replacement CRDM (A3828) was previously in service at 2-CRDM-085-46-19, removed by 02-010882-010 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-017 3-CRDM-085-38-27 The existing CRDM (A5155) was replaced with a rebuilt drive (A4239). The replacement CRDM (A4239) was previously in service at 2-CRDM-085-22-51, removed by 02-010882-005 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-018 3-CRDM-085-30-23 The existing CRDM (A5308) was replaced with a new drive (A4106).

WO 03-021071-019 3-CRDM-085-34-23 The existing CRDM (A8993) was replaced with a rebuilt drive (A5068). The replacement CRDM (A5068) was previously in service at 2-CRDM-085-02-23, removed by 02-010882-001 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-020 3-CRDM-085-38-23 The existing CRDM (A5429) was replaced with a rebuilt drive (A5439). The replacement CRDM (A5439) was previously in service at 2-CRDM-085-42-23, removed by 02-010882-000 and refurbished by GE under P.O. 1704/Release 0237.

WO 03-021071-021 3-CRDM-085-42-23 The existing CRDM (A3834) was replaced with a new drive (A4767). Replaced three flange bolts.

WO 03-021071-022 3-CRDM-085-42-35 The existing CRDM (A3707) was replaced with a rebuilt drive (A4419). The replacement CRDM (A4419) was previously in service at 2-CRDM-085-02-31, removed by 02-010882-002 and refurbished by GE under P.O. 1704/Release 0237.
Replaced one flange bolt.

002144

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Cestie Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
 - (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4369 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D. L. Peterson
 - (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
 - (c) Applicable ASME Code: Section III Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS. Standard part for use with Reg. for. Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/18/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/10, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

10/8, 1996 [Signature] NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

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

FORM X-2 (back)

002145

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Std & Spec. No.) (Min. or Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) _____
 (b) _____
 If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as open and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
 Drop Weight _____
 Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Std & Spec. No.) (Subject to pressure) (Welded, Bolted)
 Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(St. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Std & Spec. No.) (Min. or Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) Top, bottom, ends _____
 (b) Channel _____
 If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
 Drop Weight _____
 Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

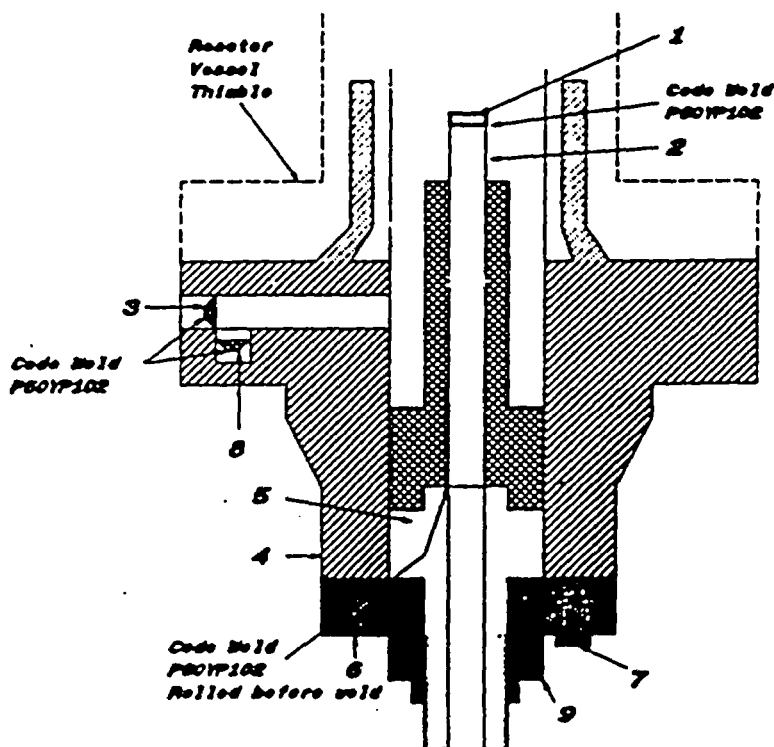
1 If Postweld Heat Treated
 2 List other internal or external pressure with pertinent temperature when applicable

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) **G02146**
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A3369 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class I
3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B0274P001
SA182 - F316
3/8" thick x 1 1/8" OD
2. Indicator Tube 166B0313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 150A1178P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 918D010P001 (718E474)
SA182 - F304
3.37" thick x 8 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8131P001, P002
SA182 - F304
1" thick x 3.0" OD x 1.75" ID
7. Cap Screw 117C4518P002
SA182 - B8
8 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7981P001
SA182 - F304
0.36" thick x 1.307" dia.
9. Nut 137C5804P001
XM - 18 SA479
1.307" thick x 2.827" dia.



G02284

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3801 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
 - (b) Manufactured for : TVA DECATUR, AL 35602-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4718 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 768E534G008 Rev 8 Dwg. Prepared by D.L. Peterson
 - (b) Description of Part Inspected: Control Rod Drive Model # 7RDB144FG005
 - (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psf. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By C. Barrett
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California
 Stress analysis report on file at GE Company, San Jose, California
 DC22A6253 Rev. 2
 Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345
 DC22A6254 Rev 1
 Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/70, 7/96, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

10/9, 1996 James P. Ewell NC 1231, Ohio, WC 3686 PA
 Date Inspector's Signature National Board, State, Province And No.

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

602285

FORM M-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. or Flange Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) _____
 (b) _____
 If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.R. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe an edge and end, bar, etc. if bar give dimensions, if bolts, describe or sketch)
 Drop Weight _____ ft-lb
 Charpy Impact _____

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
 Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Br. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. or Flange Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) Top, bottom, ends _____
 (b) Channel _____
 If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
 Drop Weight _____ ft-lb
 Charpy Impact _____

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) _____ Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

17. Inspection Openings: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

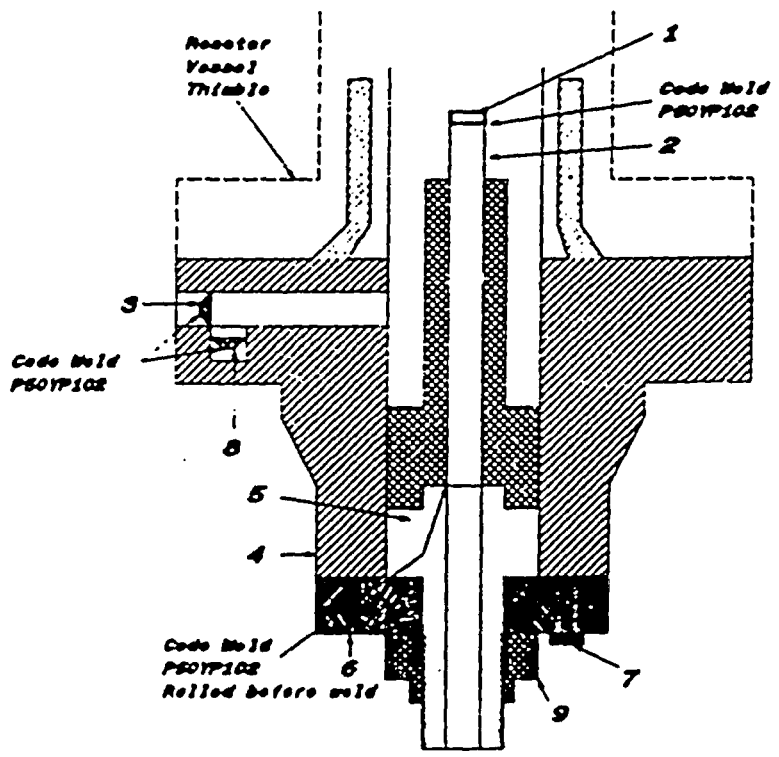
1 - If Postweld Heat-Treated.
 2 - List other internal or external pressure with operating temperature when applicable.

602286

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A471B Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

1. Cap 166B9274P001
SA182 - F316
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 158A1178P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 9190810P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137CS311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117CA516P002
SA193 - B8
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7981P001
SA182 - F304
0.36" thick x 1.307" dia.
9. Nut 137CS934P001
XM - 19 SA479
1.30" thick x 2.62" dia.



002372

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

- 1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
- 2. Identification - Certificate Holder's S/N of Part : A4783 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D.L. Peterson
 - (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
 - (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2, Class 1
- 3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By [Signature]
(NPT Certificate Holder) (ASME QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 6/28, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

10/9, 1996 [Signature] NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

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

(07/96)

FORM M-2 (back)

002373

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Flange Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) _____
 (b) _____
 If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as girth and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
 Drop Weight _____
 Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
 Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(St. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Flange Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
 (a) Top, bottom, ends _____
 (b) Channel _____
 If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
 Drop Weight _____
 Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) _____ Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Manholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated
 2 - Use other material or external pressure with dependent temperature when applicable

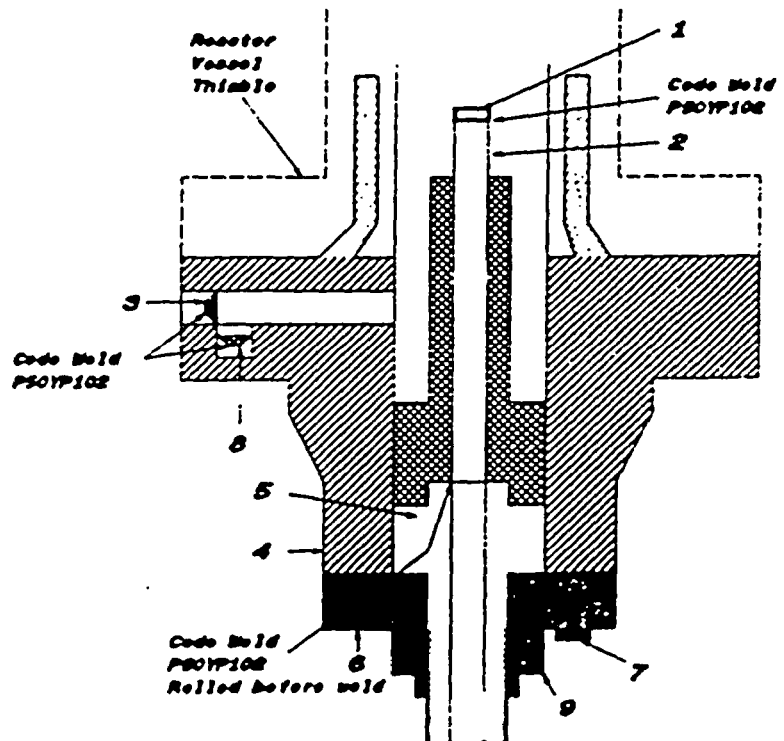
002374

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4783 Mat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev. B Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144EG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N297 1361-2 Class I
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F316
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 156A1178P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 9190810P001 (718E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137CS311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 11485122P002, P003
137CB151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117CA516P002
SA182 - B8
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137CS934P001
XM - 18 SA478
1.307" thick x 2.627" dia.



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES 880398
 As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. Manufactured & Certified by General Electric Company Nuclear Energy (GE-NE)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
 (Name and Address of NPT Certificate Holder)
- (b). Manufactured for TVA DECATUR, AL 35609-2000
 (Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate holder's S/N of Part A4727 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G000 Rev 9 Drawn Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7ROB144FG005
- (c) Applicable ASME Code Section III, Edition 1974, Addenda Date W75, Case No. N207 1381-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi, min.
 (Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report)

Date 09/26/95 Signed GE-NE By [Signature]
 NPT Certificate Holder (SC QA Representative)

Certificate of Authorization Expires 6/16/96 Certification of Authorization No. NPTN-1151

Certification of Design for Appurtenance

Design information available at: GE Company, San Jose, California

Address and job's report available at: GE Company, San Jose, California

Designated by: _____

Designated and certified by: B.N. Sridhar Prof. Eng. State Calif Reg. No. 18345

Designated and certified by: Edward Yoshio Prof. Eng. State Calif Reg. No. M018646

Certification of Shop Inspection

The undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/26, 1995 and state that to the best of my knowledge and belief, the NPT Certificate holder has constructed this part in accordance with the ASME Code Section III.

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

Date 09/26/95 Inspector's Signature [Signature] National Board State, Province And No. NC 1231, Ohio, WC 3686 PA

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

FORM M-2 (back)

000399

Items 4-8 incl to be completed for single well vessels, jackets vessels, or shells of heat exchangers

4 Shell Material T S Nominal Thickness in. Corrosion Allowance in. Dia. ft. in. Length ft. in.
(Kind & Spec. No., Size or Flange Specified)

5 Seams Long H.T. R.T. Efficiency %
 Girth H.T. R.T. No. of Courses

6 Heads (a) Material T S (b) Material T S

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv or conc)
a)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
b)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used (Material, Spec. No., T & Size Number) Other fastening (Describe or attach sketch)

7 Jacket Closure (Describe as open and closed, etc., etc. If bolt give dimensions, if bolts, describe or sketch)

Drop Weight
 Charpy Impact ft.-lb

8 Design pressure ² psi at ^o F at temp of ^o C

Items 9 and 10 to be completed for tube sections

9 Tube Sheets Stationary Material: Dia Thickness in Attachment:
(Kind & Spec. No.) (Subject to pressure) (Welded, bonded)

Floating Material: Dia. Thickness in Attachment

10 Tubes Material O.D. in Thickness inches or gage Number Type
(Str or W)

Items 11-14 incl to be completed for inner chambers of jacketed vessels, or channels of heat exchangers

11 Shell Material T S Nominal Thickness in Corrosion Allowance in. Dia ft. in Length ft. in.
(Kind & Spec. No., Size or Flange Specified)

12 Seams Long H.T. R.T. Efficiency %
 Girth H.T. R.T. No. of Courses

13 Heads (a) Material T S (b) Material T S

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv or conc)
a)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
b)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

Drop Weight
 Charpy Impact ft.-lb

14 Design pressure ² psi at ^o F at temp of ^o C

Items below to be completed for all vessels where applicable.

15 Safety valve outlets Number Size Location

Nozzles	Process Line	Number	Size or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

16 Inspection Handholes No. Size Location
 Manholes No. Size Location
 Portholes No. Size Location

17 Legs No. Other Attached
(Describe)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. Manufactured & Certified by: General Electric Company Nuclear Energy (GE-NE) **G00400**
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(a) Manufactured for: TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)

2. Identification - Certificate holder's S/N of Part: A4727 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 768E534G008 Rev 9 Desg. Prepared by D. L. Peterson

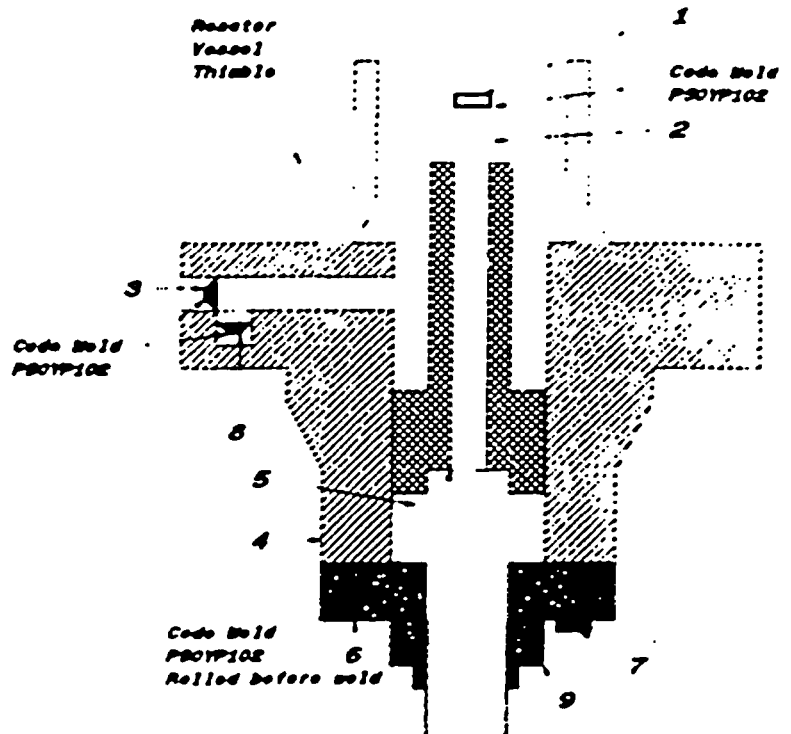
(b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005

(c) Applicable ASME Code Section III, Edition 1974, Addenda Date W75, Case No N207.1361-2, Class 1

3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi min.
(Brief description of service for which component was designed)

Sheet 2 of 2

- 1 Cap 166B9274P001
SA182 - F316
3 8" thick x 11 16" OD
- 2 Indicator Tube 166B9313P001
SA312 - TP316
3 4" sch 40 - seamless pipe
0 113" wall thickness
1 065" max dia.
- 3 Plug 158A1175P001
SA182 - F304
1 4" thick x 0 812" OD
- 4 Flange 919D610P001 (1719E474)
SA182 - F304
3 37" thick x 9 5 8" OD
- 5 Base 137C5311P001
SA182 - F304
7 8" thick x 2 875" dia
- 6 Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5 0" OD x 1 75" ID
- 7 Cap Screw :17C4516P002
SA193 - B6
6 ea 1 2" dia on 4 1 8" bolt circle
- 8 Plug 175A7961P001
SA182 - F304
0 38" thick x 1 307" dia
- 9 Nut 137C5934P001
SA193 - B6
1 307" thick x 2 627" dia



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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) 002595
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A5050 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Desg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date. 10/08/96 Signed GE-NE By Libert
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A5254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 8/2, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/9, 1996 James P. Emery NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

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

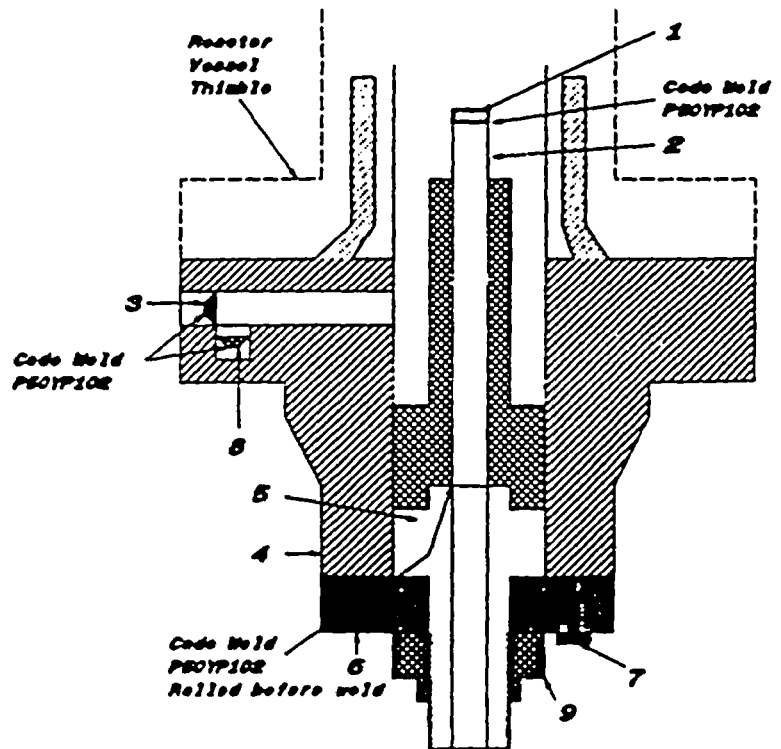
(07/96)

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) 602596
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of KPI Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of E Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A5050 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Desg. Prepared by D.L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144EG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F316
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 159A1178P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 918D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA183 - B8
8 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137C5834P001
XM - 19 SA478
1.30" thick x 2.62" dia.



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. Manufactured & Certified by: General Electric Company Nuclear Energy (GE-NE) 001088
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(a) Manufactured for: TVA DECATUR, AL 35809-2000
(Name and Address of R Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S.N. of Part A3008 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G000 Rev. 2 Desg. Prepared by D.L. Peterson

(b) Description of Part Inspected Control Rod Drive, Model # TRDB144FG005

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207.1361-2, Class 1

3. REMARKS Standard part for use with Reactor. Hydrostatically tested at 1825 psi min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III; (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 09/26/95 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires 6/16/96 Certification of Authorization No. NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at: GE Company, San Jose, California

ASME Section III Rev. 1974 Design Specification certified by B.N. Snyder Prof. Eng. State Calif. Reg. No. 18345

ASME Section III Rev. 1974 Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018846

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 9/19, 1995 and state that to the best of my knowledge and belief, the NPT Certificate holder has constructed this part in accordance with the ASME Code Section III;

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

Date 9/26/95 Inspector's Signature [Signature] National Board State, Province And No. NC 1231 Ohio WC 3688 PA

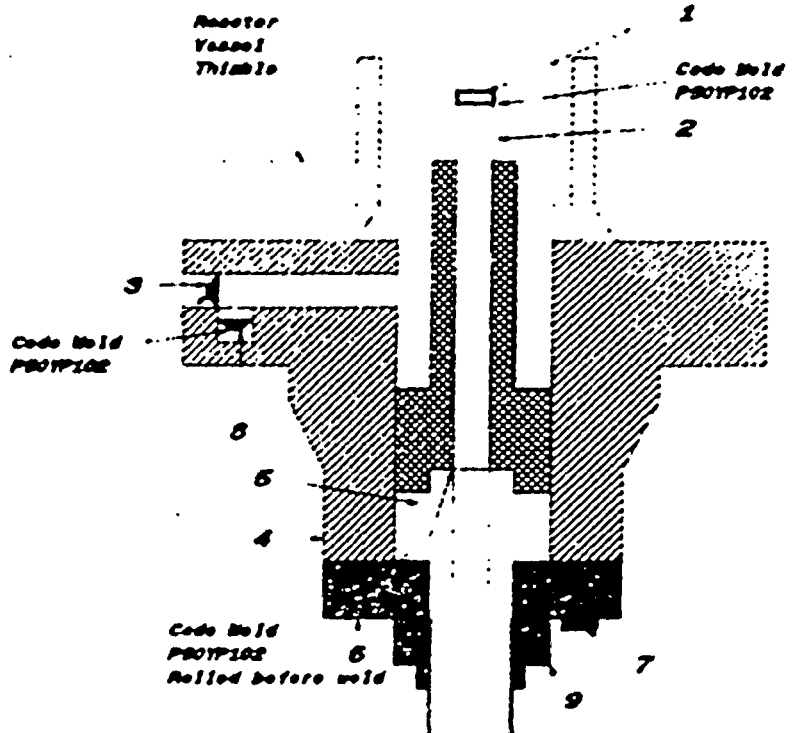
*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3. "REMARKS".

FORM N-3100 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) 001089
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of EPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
- 2 Identification - Certificate Holder's S/N of Part : A3688 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 788E534G008 Rev 9 Des. Prepared by D.L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # TRDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1381-2, Class 1
- 3 REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

- 1 Cap 16689274P001
SA182 - F316
3/8" thick x 1 1/16" OD
- 2 Indicator Tube 16689313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
- 3 Plug 159A1176P001
SA182 - F304
1.4" thick x 0.812" OD
- 4 Flange 9190810P001 (719E474)
SA182 - F304
3.37" thick x 3.5" ID
- 5 Base 137C5311P001
SA182 - F304
7.8" thick x 2.875" dia.
- 6 Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
- 7 Cap Screw 117C4516P002
SA193 - B6
6 ea 1/2" dia on 4 1/8" bolt circle
- 8 Plug 175A7961P001
SA182 - F304
0.36" thick x 1.307" dia
- 9 Nut 137C5834P001
XM - 19 SA479
1.30" thick x 2.62" dia



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. 1

001502

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Home Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35608-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A3118 Part Bd. No. N/A
- (a) Constructed According to Drawing No. 78DE534G008 Rev. 9 Des. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 78DB144EG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2, Class 1
3. REMARKS Standard part for use with Reactor, Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By C. Buzzott
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires 5/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A625J Rev. 2
Design specification certified by B. N. Snider Prof. Eng. State CAH Reg. No. 18345

DC22A625A Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State CAH Reg. No. AA018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 5/28, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/8, 1996 James P. Ennis NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No

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

(07/00)

001508

FORM N-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4 Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____
(Note & Spec. No.) (Min. of Flange Specified)

5 Seams: Long _____ M.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ M.T. _____ R.T. _____ No. of Courses _____

6 Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Also Number) (Describe or attach sketch)

7 Jacket Closure: _____
(Describe as open and weld, hot, etc. If hot give dimensions, if bolts, describe or sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

8 Design pressure ² _____ psi at _____ °F at temp of _____ °F

Items 9 and 10 to be completed for tube sections

9 Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Note & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10 Tubes. Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Dr. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11 Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____
(Note & Spec. No.) (Min. of Flange Specified)

12 Seams: Long _____ M.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ M.T. _____ R.T. _____ No. of Courses _____

13 Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

14 Design pressure ² _____ psi at _____ °F at temp of _____ °F

Items below to be completed for all vessels where applicable.

15 Safety Valve Outlets: Number _____ Size _____ Location _____

Nozzles: (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17 Inspection Openings: Manhole, No. _____ Size _____ Location _____
 Manhole, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18 Supports: Skirt _____ Lugs _____ Lugs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1. If Punctured Head Tested
 2. List other stresses or external pressure with operating temperature when applicable

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)

3901 Castle Home Road, Wilmington, North Carolina 28401 **001504**
 (Name and Address of NPT Certificate Holder)

(b) Manufactured for : TVA DECATUR, AL 35602-2000
 (Name and Address of R Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A3118 Part Id. No. N/A

(a) Constructed According to Drawing No: 760E534G008 Rev. 2 Des. Prepared by D. L. Peterson

(b) Description of Part Inspected: Control Rod Drive, Model # 78DB144FG005

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date WT5, Case No. N207 1381-2 Class 1

3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi. min.
 (Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 168B0274P001
 SA182 - F316
 3/8" Thick x 1 1/16" OD

2. Indicator Tube 168B0313P001
 SA312 - TP316
 3/4" sch 40 - seamless pipe
 0.112" wall thickness
 1.065" max. dia.

3. Plug 158A1178P001
 SA182 - F304
 1/4" Thick x 0.812" OD

4. Flange 9180810P001 (719E474)
 SA182 - F304
 3.37" Thick x 9 5/8" OD

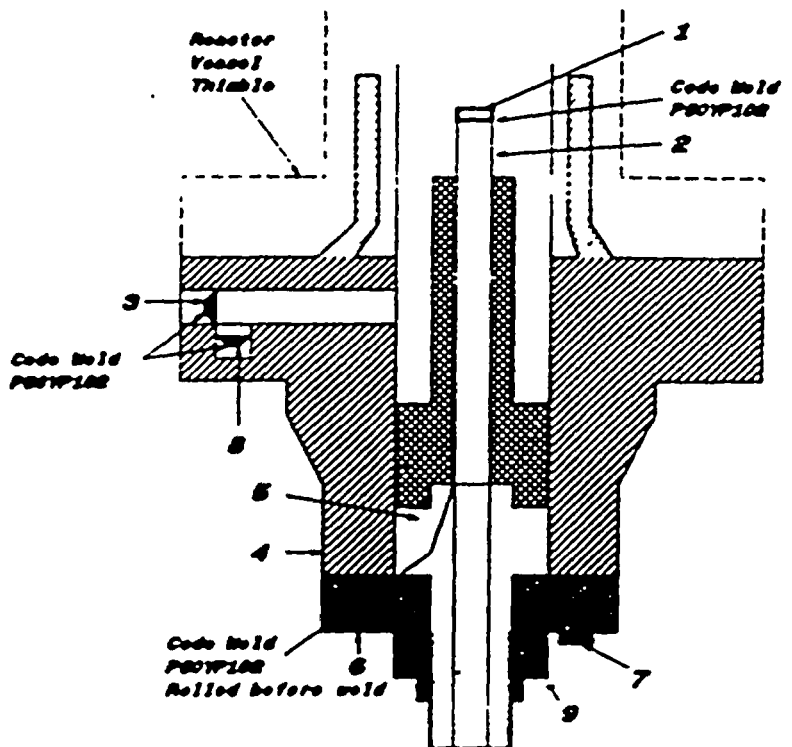
5. Base 137C3311P001
 SA182 - F304
 7/8" Thick x 2.875" dia.

6. Ring Flange 11485122P002, P003
 137C8151P001, P002
 SA182 - F304
 1" Thick x 5.8" OD x 1.75" ID

7. Cap Screw 117C4518P002
 SA182 - B8
 6 ea. 1/2" dia. at 4 1/8" bolt circle

8. Plug 175A7081P001
 SA182 - F304
 0.38" Thick x 1.207" dia.

9. Nut 137C5834P001
 XM - 19 SA479
 1.30" Thick x 2.62" dia.



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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) **002622**
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A5228 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. MQ18645

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/9. 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/9. 1996 [Signature] NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

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

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

Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) **602623**

3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of WPT Certificate Holder)

(b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of WPT Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A5228 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D.L. Peterson

(b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F316
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 918D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

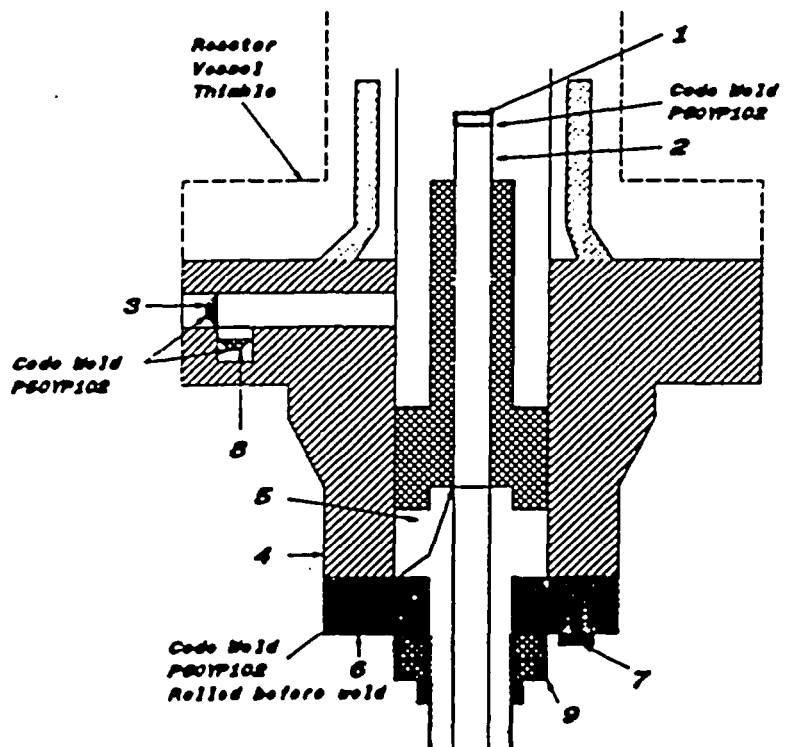
5. Base 137CS311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4316P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137CS834P001
XM - 19 SA479
1.30" thick x 2.62" dia.



002429

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

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR AL 35609-2000
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4799 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Dwg. Prepared by D.L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By C. Spayth
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/18/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018546

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 6/28, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/9, 1996
Date

James P. Evers
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

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

(07/96)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in. (10rd & Spec. No.) (Min. of Flange Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ % Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)

(a) _____ (b) _____

If removable, bolts used _____ Other fastening _____

(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____

(Describe as open and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)

Drop Weight _____ Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____ (Welded, Bolted) Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____ (Subject to pressure)

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____ (Br. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in. (10rd & Spec. No.) (Min. of Flange Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ % Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)

(a) Top, bottom, ends _____ (b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____

(Describe or attach sketch)

Drop Weight _____ Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

Table with 8 columns: Purpose (Inlet, Outlet, Drain), Number, Dia. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

17. Inspection Openings: Manholes, No. _____ Size _____ Location _____ Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____ (Where & How)

1 - If Postweld Heat-Treated. 2 - List either internal or external pressure with saturation temperature when applicable.

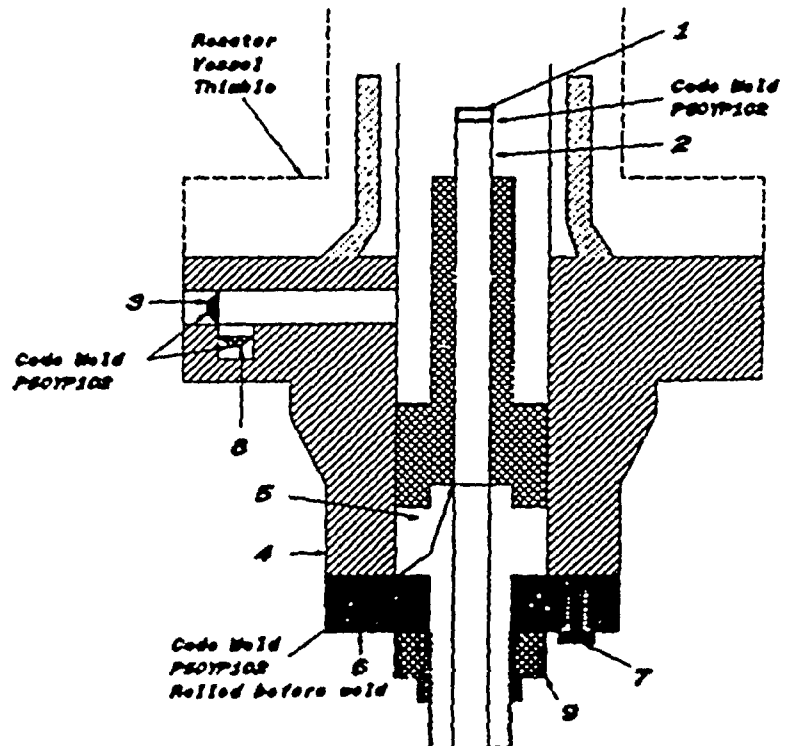
FORM N-2 RPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

002431

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of RPT Certificate Holder)
- (b) Manufactured for : TYA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4789 Part Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Des. Prepared by D.L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144EG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1625 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F316
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 150A1176P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 9180610P001 (718E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4316P002
SA182 - B8
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.36" thick x 1.307" dia.
9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.



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

1. Manufactured & Certified by General Electric Company Nuclear Energy (GE-NE)
2117 Castle Hayne Road, Wilmington, North Carolina 28401 **000535**
(Name and Address of NPT Certificate Holder)

(c) Manufactured for TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)

2. Identification - Certificate number's S.N. of Part A4774 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008 Rev 9 Des. Prepared by D. L. Peterson

(c) Description of Part Inspected Control Rod Drive, Model # 7RDB144FG005

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2, Class 1

3. REMARKS Standard part for use with Reactor. Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate holder for parts. An NPT Certification holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report)

Date 09/26/95 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires 6/16/96 Certification of Authorization No. NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6243 Rev. 2
Design specification certified by B. N. Snyder Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev. 2
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/22, 1995 and state that to the best of my knowledge and belief, the NPT Certificate holder has constructed this part in accordance with the ASME Code Section III.

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

9/26/95 [Signature] NC 1231, ON 0, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

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

FORM W-2 (back)

000538

Items 4-8 incl. to be completed for single shell vessels, jackets vessels, or shells of heat exchangers

4 Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia _____ ft _____ in. Length _____ ft _____ in.
(Code & Spec. No. 1; Min. of Range Specified)

5 Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6 Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv. or conc)
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7 Jacket Closure: _____
(Describe as open and closed, etc., if bar give dimensions, if bolts, describe or attach)

Drop Weight _____
 Cherty Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9 Tube Sheets Stationary Material _____ Dia _____ Thickness _____ in Attachment _____
(Code & Spec. No. 1; Min. of Range Specified) (Subject to pressure) (Welded, Bolted)

Floating Material _____ Dia _____ Thickness _____ in Attachment _____

10. Tubes Material _____ O.D. _____ in Thickness _____ inches or gage Number _____ Type _____
(1/2" or 1")

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11 Shell Material _____ T.S. _____ Nominal Thickness _____ in Corrosion Allowance _____ in. Dia _____ ft _____ in. Length _____ ft _____ in.
(Code & Spec. No. 1; Min. of Range Specified)

12 Seams Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13 heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv. or conc)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

Drop Weight _____
 Cherty Impact _____ ft-lb

14 Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable

15 Safety Valve Outlets Number _____ Size _____ Location _____

Nozzles Purpose (Heat, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17 Inspection Manholes, No _____ Size _____ Location _____
 Openings Handholes, No _____ Size _____ Location _____
 Threaded, No _____ Size _____ Location _____

18 Supports SA (rt) _____ Lugs _____ Legs _____ Other _____ Attached _____
(Type or No.) (Number) (Number) (Describe) (Where & How)

1. If Packaged Head needed
 2. All other items of external pressure or low-temperature or other applicable

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

1. Manufactured & Certified by General Electric Company Nuclear Energy (GE-NE)
2117 Castle Hayne Road, Wilmington, North Carolina 28401 **000537**
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for TVA DECATUR, AL 35809-2000
(Name and Address of Certificate Holder for completed nuclear component)
2. Identification - Certificate holder's S/N of Part A4774 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 76b-52-G000 Rev 9 Desg. Prepared by D. L. Peterson
- (b) Description of Part Inspected Control Rod Drive Model # 7RDB144FG005
- (c) Applicable ASME Code Section III, Edition 1974, Addenda Date W75, Case No N207 1361-2, Class 1
3. REMARKS Standard part for use with Reactor. Hydrostatically tested at 1825 psi min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1 Cap 166B9274P001
SA182 - F316
3 8" thick x 11 16" OD

2 Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3 Plug 158A1776P001
SA182 - F304
1 4" thick x 0 812" OD

4 Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5 8" OD

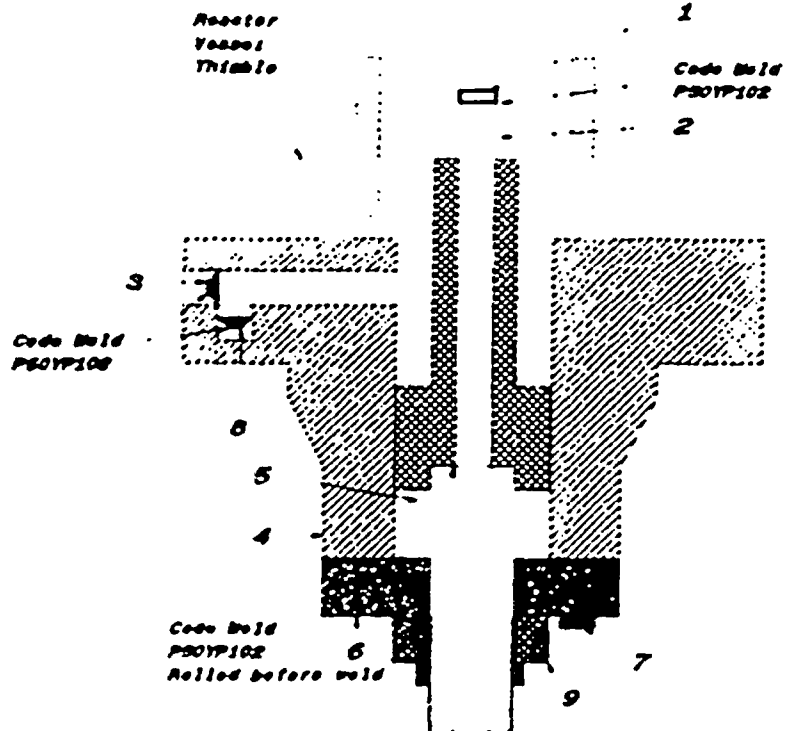
5 Base 137C5311P001
SA182 - F304
7 8" thick x 2 875" dia

6 Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5 0" OD x 1.75" ID

7 Cap Screw 117C4516P002
SA193 - B8
6 ea. 1 2" dia on 4 1 8" bolt circle

8 Plug 175A7561P001
SA182 - F304
0.38" thick x 1.307" dia

9 Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia



000787

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

1. Manufactured & Certified by General Electric Company Nuclear Energy (GE-NE)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (c) Manufactured for TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A4106 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008 Rev 9 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected Control Rod Drive, Model # 7RDB144FG005
- (c) Applicable ASME Code Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.

Date 09/26/95 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SC SA Representative)

License Date of Authorization Expires 6-16-96 Certification of Authorization No. NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at: GE Company, San Jose, California

ASME Code Rev. 2
Design certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

ASME Code Rev. 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/26/95 and state that to the best of my knowledge and belief, the NPT Certificate holder has constructed this part in accordance with the ASME Code Section III.

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

[Signature] [Signature] NC 1231, Ohio, WC 3686 PA
Inspector's Signature National Board State Province And No.

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

(12/95)

FORM M-2 (back)

600788

Items 4-8 incl to be completed for single wall vessels, jackets vessels, or shells of heat exchangers

4 Shell Material T S Nominal Thickness in Corrosion Allowance in Dia. ft. in Length ft. in
(Kind & Spec. No. if Mem. of Plating Specified)

5 Seams Long H.T. R.T. Efficiency %
 Groin H.T. R.T. No. of Courses

6 Heads (a) Material T S (b) Material T S

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv or conc)
(a)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(b)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used (Material, Spec. No., T & Size Number) Other fastening (Describe or attach sketch)

7 Jacket Closure (Describe as eggs and steel bar, etc. if bar give dimensions, if bolts, describe or sketch)
 Drop Weight ft-lb
 Charpy Impact ft-lb

8 Design pressure ² 1250 psi at 575 ° F at temp of ° F

Items 9 and 10 to be completed for tube sections

9 Tube Sheets Stationary Material Dia Thickness in Attachment
(Kind & Spec. No. if Mem. of Plating Specified) (Subject to pressure) (Standard Detail)

Floating Material Dia Thickness in Attachment

10 Tubes Material O.D. in Thickness inches or gage Number Type
(Standard Detail)

Items 11-14 incl to be completed for inner chambers of jacketed vessels, or channels of heat exchangers

11 Shell Material T S Nominal Thickness in Corrosion Allowance in Dia. ft. in Length ft. in
(Kind & Spec. No. if Mem. of Plating Specified)

12 Seams Long H.T. R.T. Efficiency %
 Groin H.T. R.T. No. of Courses

13 Heads (a) Material T S (b) Material T S

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press (conv or conc)
(a)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(b)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

14 Design pressure ² psi at ° F at temp of ° F

Items below to be completed for all vessels where applicable

15 Safety Valve Outlets Number Size Location

Nozzle or Outlet Design	Number	Dia. or Size	Type	Material	Thickness	Manufacturer's Marking	How Attached
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

17 Manholes No. Location
 Threaded No. Location
 Unthreaded No. Location

18 Lugs No. Attached
 Other Attached

1. For welded steel vessels
 2. For other materials, a design pressure shall be determined by the designer

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
 As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. Manufactured & Certified by General Electric Company Nuclear Energy (GE-NE) G00789
2117 Castle Hayne Road, Wilmington, North Carolina 28401
 (Name and Address of NPT Certificate Holder)

(a) Manufactured for TVA DECATUR, AL 35609-2000
 (Name and Address of R Certificate Holder for completed nuclear component)

2. Identification - Certificate holder's S.N. of Part A4108 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No 768E534G008 Rev 9 Drawn Prepared by D. L. Peterson

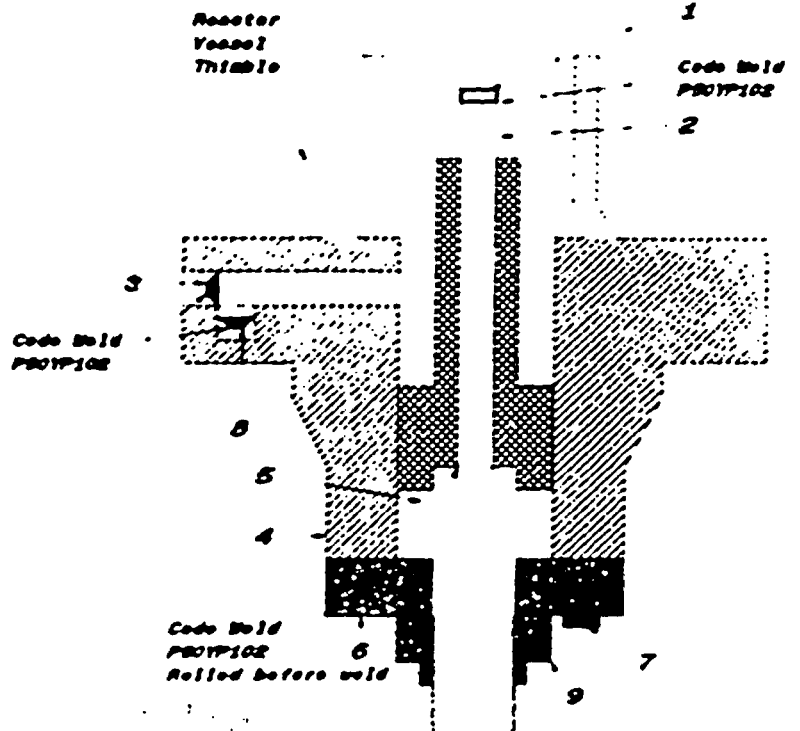
(b) Description of Part Inspected Control Rod Drive, Model # 7RDB144FG005

(c) Applicable ASME Code Section III, Edition 1974, Addenda Date W75, Case No. N207.1361-2, Class 1

3. REMARKS Standard part for use with Reactor. Hydrostatically tested at 1825 psi min.
 (Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 16689274P001
SA182-F316
3 8" thick x 11.16" OD
2. Indicator Tube 16689313P001
SA312-TP316
3.4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max dia.
3. Plug 159A1176P001
SA182-F304
1.4" thick x 0.812" OD
4. Flange 9190610P001 (719E474)
SA182-F304
3.37" thick x 9.5 8" OD
5. Base 137CS311P001
SA182-F304
7 8" thick x 2.875" dia.
6. Ring Flange 1148S122P002, P003
137C8151P001, P002
SA182-F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA193-B8
6 ea 1.2" dia. on 4.1 8" bolt circle
8. Plug 17SA7961P001
SA182-F304
0.38" thick x 1.307" dia.
9. Nut 137CS934P001
UN 19 SA479
1.30" thick x 2.62" dia.



002344

FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : TVA DECATUR, AL 35609-2000
(Name and Address of R Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A4767 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 768E534G008 Rev 9 Desg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144EG005
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2, Class 1
3. REMARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/08/96 Signed GE-NE By C. L. Brown
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

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

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2

Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018648

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 9/12, 1996 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 10/9, 1996 Inspector's Signature James P. Brown National Board, State, Province And No. NC 1231, Ohio, WC 3686 PA

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

(07/96)

FORM M-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers **002345**

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Plugs Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.R. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as open end, bar, etc. if bar give dimensions, if bolts, describe or sketch)

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F
 Drop Weight _____ ft-lb
 Charpy Impact _____ ft-lb

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(St. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Plugs Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F
 Drop Weight _____ ft-lb
 Charpy Impact _____ ft-lb

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Openings: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Pressure Heat-Treated.
 2 - List other internal or external pressure with coincident temperature when applicable

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

Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)

002348

3901 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(b) Manufactured for : TVA DECATUR, AL 35609-2000

(Name and Address of NPT Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A4787 Part Bd. No. N/A

(a) Constructed According to Drawing No: 768E534G008 Rev. 9 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG005

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207.1381-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 186B8274P001
SA182 - F316
3/8" thick x 1 1/16" OD

2. Indicator Tube 186B8313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 158A1178P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

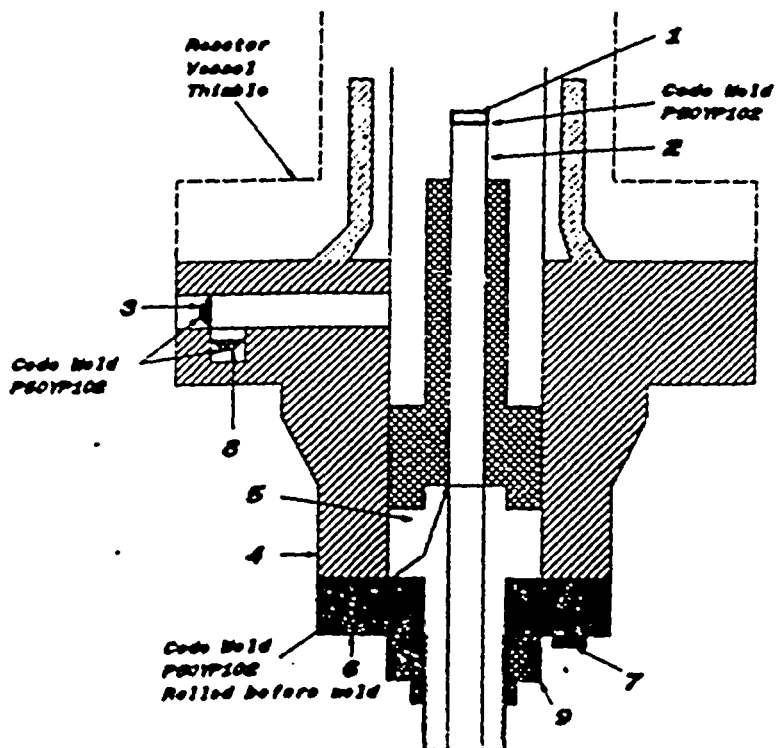
5. Base 137C3311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8131P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4518P002
SA182 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7981P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5834P001
304 - 19 SA479
1.30" thick x 2.82" dia.



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

As Required by the Provisions of the ASME Code Section XI

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

Date May 20, 2004

Sheet 1 of 2

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

Unit 3

Work Orders (WO) 03-014201-000, 03-015180-000, 03-015197-000, 03-015198-000, 03-015199-000, 04-713248-000, 04-713252-000, 04-713628-000, 04-713630-000, 04-713795-000, 04-713796-000, 04-713797-000 and 04-713998-000
Repair/Replacement Organization P.O. No. Job No. etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 001, Main Steam System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snubber) 3-47B400-105	Bergen Patterson	TVA Serial No. M0165	N/A	3-SNUB-001-5068	N/A	Removed	No
Support (Snubber) 3-47B400-105	Bergen Patterson	TVA Serial No. M0505	N/A	3-SNUB-001-5068	N/A	Installed	No
Support (Snubber) 3-47B400-115	Bergen Patterson	TVA Serial No. M0295	N/A	3-SNUB-001-5059	N/A	Corrected	No
Support (Snubber) 3-47B400-91	Bergen Patterson	18126	N/A	3-SNUB-001-5077	N/A	Removed	No
Support (Snubber) 3-47B400-91	Pacific Scientific	6499	N/A	3-SNUB-001-5077	N/A	Installed	No

7. Description of Work Replaced snubbers with new or rebuilt like for like snubbers. Replaced pins on two snubbers.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other ** Pressure N/A psi Test Temp. N/A °F ** - See Remarks

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

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

FORM NIS-2 (Back)

9. Remarks WO 03-014201-000 - (3-SNUB-001-5068) -

Applicable Manufacturer's Data Reports to be attached

The original snubber (TVA Serial # M0165) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (TVA Serial # M0505) is a rebuilt snubber previously located at 3-SNUB-068-5017 (removed by WO 02-006826-000).

Rebuild included replacement of the main cylinder. The replacement snubber was functionally tested per 3-SI-4.6.H-2B, prior to installation.

WO 03-015180-000 - (3-SNUB-001-5059) -

The snubber (TVA Serial # M0295) was removed and tested as part of the 10 percent sample per the snubber program.

That snubber was rebuilt, functionally tested per 3-SI-4.6.H-2B and replaced in the same location. Rebuild included replacement of the main cylinder.

WO 03-015197-000 - (3-SNUB-001-5077) -

The original snubber (18126) was removed and tested as part of the 10 percent sample per the snubber program.

The original snubber (18126) failed the functional test.

The replacement snubber (6499) is a new snubber and was functionally tested per 0-SI-4.6.H-2A, prior to installation.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Williams, System Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 12/23/03 to 6/2/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions TN 4011
National Board, State, Province, and Endorsements

Date 6/2 20 04

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

Owner Tennessee Valley Authority (TVA)
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
 2. Plant Browns Ferry Nuclear Plant (BFN)
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Date May 20, 2004
 Sheet 2 of 2
 Unit 3
 Work Orders (WO) 03-014201-000, 03-015580-000, 03-015197-000, 03-015198-000, 03-015199-000, 04-713248-000, 04-713252-000, 04-713628-000, 04-713630-000, 04-713795-000, 04-713796-000, 04-713797-000 and 04-713998-000
Repair/Replacement Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 001 Main Steam System (ASME Code Class 1 equivalent)
 5. (a) Applicable Construction Code USAS B31.10 19 67 Edition. N/A Addenda. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95, 1996 Addenda
 6. Identification of Components 220
6/9/04 OK 6/9/04

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snubber) 3-47B400-91	Pacific Scientific	18125	N/A	3-SNUB-001-5078	N/A	Removed	No
Support (Snubber) 3-47B400-91	Pacific Scientific	6792	N/A	3-SNUB-001-5078	N/A	Installed	No
Support (Snubber) 3-47B401-29	Pacific Scientific	488	N/A	3-SNUB-001-5020 RSSG-1	N/A	Removed	No
Support (Snubber) 3-47B401-29	Pacific Scientific	6498	N/A	3-SNUB-001-5020 RSSG-1	N/A	Installed	No
Support (Snubber) 3-47B401-11	Pacific Scientific	244	N/A	3-SNUB-001-5008 RSSC-2	N/A	Removed	No
Support (Snubber) 3-47B401-11	Pacific Scientific	5504	N/A	3-SNUB-001-5008 RSSC-2	N/A	Installed	No
Support (Snubber) 3-47B401-5	Pacific Scientific	124	N/A	3-SNUB-001-5004 RSSA-4	N/A	Corrected	No
Support (Snubber) 3-47B401-3	Pacific Scientific	116	N/A	3-SNUB-001-5002 RSSA-2	N/A	Removed	No
Support (Snubber) 3-47B401-3	Pacific Scientific	10466	N/A	3-SNUB-001-5002 RSSA-2	N/A	Installed	No
Support (Snubber) 3-47B401-8	Pacific Scientific	215	N/A	3-SNUB-001-5006 RSSB-2	N/A	Removed	No
Support (Snubber) 3-47B401-8	Pacific Scientific	10502	N/A	3-SNUB-001-5006 RSSB-2	N/A	Installed	No
Support (Snubber) 3-47B401-41	Pacific Scientific	111	N/A	3-SNUB-001-5034 RSSJ-4	N/A	Removed	No
Support (Snubber) 3-47B401-41	Pacific Scientific	10499	N/A	3-SNUB-001-5034 RSSJ-4	N/A	Installed	No
Support (Snubber) 3-47B401-46	Pacific Scientific	140	N/A	3-SNUB-001-5039 RSSK-3	N/A	Removed	No
Support (Snubber) 3-47B401-46	Pacific Scientific	10468	N/A	3-SNUB-001-5039 RSSK-3	N/A	Installed	No
Support (Snubber) 3-47B401-31	Pacific Scientific	117	N/A	3-SNUB-001-5025 RSSG-6	N/A	Removed	No
Support (Snubber) 3-47B401-31	Pacific Scientific	10497	N/A	3-SNUB-001-5025 RSSG-6	N/A	Installed	No
Support (Snubber) 3-47B401-52	Pacific Scientific	213	N/A	3-SNUB-001-5043 RSSL-3	N/A	Removed	No
Support (Snubber) 3-47B401-52	Pacific Scientific	10500	N/A	3-SNUB-001-5043 RSSL-3	N/A	Installed	No

FORM NIS-2, SUPPLEMENTAL SHEET (Back)

Remarks WO 03-015198-000 - (3-SNUB-001-5078) -

The original snubber (18125) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (6792) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 03-015199-000 - (3-SNUB-001-5020) -

The original snubber (TVA Serial # 488) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (6498) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713248-000 - (3-SNUB-001-5008) -

The original snubber (TVA Serial # 244) was removed and tested as part of the 10 percent sample per the snubber program.

The original snubber (TVA Serial # 244) failed the functional test. A pin was damaged during disassembly and was replaced.

The replacement snubber (5504) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713252-000 - (3-SNUB-001-5004) -

The original snubber (TVA Serial # 124) was removed and tested as part of the 10 percent sample per the snubber program.

The snubber passed the functional test, O-SI-4.6.H-2A. However, a pin was damaged during disassembly and had to be replaced.

WO 04-713628-000 - (3-SNUB-001-5002) -

The original snubber (TVA Serial # 116) was removed and tested as part of the 10 percent sample per the snubber program.

The original snubber (TVA Serial # 116) failed the functional test.

The replacement snubber (10466) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713630-000 - (3-SNUB-001-5006) -

The original snubber (TVA Serial # 215) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (10502) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713795-000 - (3-SNUB-001-5034) -

The original snubber (TVA Serial # 111) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (10499) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713796-000 - (3-SNUB-001-5039) -

The original snubber (TVA Serial # 140) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (10468) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713797-000 - (3-SNUB-001-5025) -

The original snubber (TVA Serial # 117) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (10497) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

WO 04-713998-000 - (3-SNUB-001-5043) -

The original snubber (TVA Serial # 213) was removed and tested as part of the 10 percent sample per the snubber program.

The replacement snubber (10500) is a new snubber and was functionally tested per O-SI-4.6.H-2A, prior to installation.

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

As Required by the Provisions of the ASME Code Section XI

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

Date May 21, 2004

Sheet 1 of 1

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

Unit 3

Work Orders (WO) 03-014912-000 & 02-016107-000
Repair/Replacement Organization P.O. No., Job No., etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 003, Feedwater System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Support (Snubber) 3-47B415-53	Bergen-Paterson	TVA Serial No. M0176	N/A	3-SNUB-003-5026	N/A	Removed	No
Support (Snubber) 3-47B415-53	Bergen-Paterson	TVA Serial No. M0126	N/A	3-SNUB-003-5026	N/A	Installed	No

7. Description of Work Replaced snubber 3-SNUB-003-5026 with like for like rebuilt snubber. Rebuild included a new main cylinder.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other ** Pressure N/A psi Test Temp. N/A °F ** - See Remarks

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

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

FORM NIS-2 (Back)

9. Remarks WO 03-014912-000 - (3-SNUB-003-5026) -

Applicable Manufacturer's Data Reports to be attached

The original snubber (TVA Serial No. M0176) was removed and tested as part of the 10 percent sample per the snubber program.

The newly installed snubber (TVA Serial No. M0126) had been previously located in Unit 3 as 3-SNUB-074-5052 and was removed from

Unit 3 under WO 94-018140-000. The new snubber (TVA Serial No. M0126) was rebuilt under WO 02-016107-000 and functionally tested per

0-SI-4.6.H-2B. Rebuild included installation of a new main cylinder tube.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Stephen C. Williams* System Engineer
Owner or Owner's Designee, Title

Date 5/24, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 11-21-03 to 5-26-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Samuel Flank
Inspector's Signature

Commissions

TN 4011

National Board, State, Province, and Endorsements

Date 5/26 2004

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

1. Owner Tennessee Valley Authority (TVA) Date May 23, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801

2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000 Decatur, AL 35609-2000
Address Work Order (WO) 04-711362-001
Repair Replacement Organization P O No. Job No. etc

3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 006, Heater Drains and Vents System (ASME Code Class 2 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Drain piping	Unknown	N/A	N/A	Drain piping from SJAE Main Steam Supply	N/A	Removed	No
Drain piping	Sharon Tube Co. & Bonney Forge	N/A	N/A	Drain piping from SJAE Main Steam Supply	N/A	Installed	No

7. Description of Work Replaced a section of 1-1/2" drain piping from the SJAE Main Steam supply.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure * Exempt
* - ref. Code Case N-416-2
 Other Pressure N/A psi Test Temp. N/A °F

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

*as amended by additional quality assurance requirements found in Contract 68C37-91602, DCN T41182A and Design Criteria BFN-50-7006 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

Stephen C. Wilford
Owner or Owner's Designee Title

System Engineer

Date

5/23

.20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Conn and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3/13/04 to 5/27/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer 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.

Carl Flinn
Inspector's Signature

Commissions

TN'4011

National Board State Province and Encorsements

Date

5/27

20 04

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

As Required by the Provisions of the ASME Code Section XI

<p>1. Owner <u>Tennessee Valley Authority (TVA)</u> <small>Name</small> <u>1101 Market Street</u> <small>Address</small> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>May 23, 2004</u></p> <p>Sheet <u>1</u> of <u>1</u></p>
<p>2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small>Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small>Address</small></p>	<p>Unit <u>3</u></p> <p>Work Order (WO) <u>03-004245-000 and 03-004240-001</u> <small>Repair/Replacement Organization P O No., Job No., etc</small></p>
<p>3. Work Performed by <u>TVA-BFN</u> <small>Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small>Address</small></p>	<p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No. <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p>

4. Identification of System System 001, Main Steam System (ASME Code Class 1 equivalent)

5. (a) Applicable Construction Code ASME Section III 19 68 Edition, Summer 1970 Addenda, N/A Code Case
ASME Section III, Article 9, 1965 and

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1070	N/A	3-PCV-001-0005	1968	Removed	Yes
Main Steam Relief Valve	Target Rock Corp. 7567F-000-10	1061	N/A	3-PCV-001-0005	1968	Installed	Yes

7. Description of Work Replaced Main Steam Relief valve main body. Replaced the inlet and outlet bolting.

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

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

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

FORM NIS-2 (Back)

9. Remarks The main valve body (1070) was replaced with rebuilt valve body (1061) previously used on Unit 3 (same manufacturer/model #).
Applicable Manufacturer's Data Reports to be attached
As a part of the Tech Spec required valve inspections WO 03-004245-000 replaced 3-PCV-001-0005 with a rebuilt valve previously used
in BFN Unit 3 (same location, 3-PCV-001-0005, S/N 1061) and installed new inlet and outlet flange studs and nuts. The replacement valve was
removed from Unit 3 by WO 03-004240-000 and refurbished by WO 03-004240-001. Pressure retaining components were replaced as part of
the refurbishment process.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Williams* System Engineer Date 5/25, 20 04
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 8/7/03 to 6/1/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul F. Hand Commissions TA 4011
Inspector's Signature National Board State Province and Endorsements

Date 6/1 20 04

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

1. Owner Tennessee Valley Authority (TVA) Date May 23, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Design Change Notice (DCN) T40978A,
 Work Order (WO) 98-014414-001 & 98-014415-000
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 077, Radwaste System (ASME Code Class 2 equivalent)
5. (a) Applicable Construction Code (valves) ASME Section III, Class 2, 1989 Edition (Equivalent)
(piping) USAS B31.1.0 19 67^o Edition, N/A Addenda, N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Drywell Floor Drain Sump Inbd Isolation Valve	Velan B10-064B-2TS	6574	N/A	3-FCV-077-0002A	Unknown	Removed	No
Drywell Floor Drain Sump Inbd Isolation Valve	Worcester Controls	N00-0039-3	N/A	3-FCV-077-0002A	2000	Installed	No
Drywell Floor Drain Sump Outbd Isolation Valve	Velan B10-064B-2TS	6676	N/A	3-FCV-077-0002B	Unknown	Removed	No
Drywell Floor Drain Sump Outbd Isolation Valve	Worcester Controls	N00-0039-4	N/A	3-FCV-077-0002B	2000	Installed	No
piping	Unknown	N/A	N/A	N/A	N/A	Removed	No
piping	Consolidated Power Supply	N/A	N/A	N/A	N/A	Installed	No

7. Description of Work Replaced the Drywell Floor Drain Sump Inbd and Outbd Isolation Valves and the piping between the valves.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
** - Reference Code Case N-416-2
 Other Pressure N/A psi Test Temp. N/A °F

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

*as amended by additional quality assurance requirements found in Contracts 250534 & 1364025 and Design Criteria BFN-50-7064 Att 5, BFN-50-7077 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced the Drywell Floor Drain Sump Inbd and Outbd Isolation Valves (3-FCV-077-0002A & -0002B and the piping
Applicable Manufacturer's Data Reports to be attached
between the valves. Reference Code Case N-416-2.
VT-2 performed under WO 98-014415-000..

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Wilford, System Engineer
Owner or Owner's Designee, Title

Date 5/28, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Tennessee and employed by HSB CT of
Connecticut have inspected the components described
in this Owner's Report during the period 1/29/04 to 6/11/04, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's
Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen F. Ford
Inspector's Signature

Commissions TN14011
National Board, State, Province, and Endorsements

Date 6/11 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date May 23, 2004

Sheet 1 of 1

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

Unit 3

Design Change Notice (DCN) 50287
Work Orders (WOs) 00-003356-000 & 00-003356-004
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 073, High Pressure Coolant Injection System (ASME Code Class 1 and 2 equivalent components)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HPCI Steam Line Outbd Isol Valve	Crane-Chapman L-900-C	N/A	N/A	3-FCV-073-0003	N/A	Removed	No
HPCI Steam Line Outbd Isol Valve	FLOWERVE 10" 900# DD gate	E-125T-2-2	N/A	3-FCV-073-0003	2001	Installed	No
pipe	Unknown	N/A	N/A	N/A	N/A	Removed	No
pipe	Consolidated Power Supply	N/A	N/A	N/A	N/A	Installed	No

7. Description of Work Replaced valve and associated piping.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure ** Exempt
** - Ref. Code Case N-416-2
 Other Pressure N/A psi Test Temp. N/A °F

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

*as amended by additional quality assurance requirements found in Contracts 1721-0001 & 2071-1722 and Design Criteria BFN-50-7073 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced valve and associated piping.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Stephen C. Willard, System Engineer Date 5/24, 20 04
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 Tenn and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 2/2/04 to 5/22/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul F. Ford Commissions TN9011
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/27 20 04

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

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

Date May 23, 2004
Sheet 1 of 2

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

Unit 3
Design Change Notice (DCN) 51461A,
Work Orders (WOs) 03-001433-000, -001, -002 and -003
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System System 068, Reactor Recirculation System (ASME Code Class 1 equivalent)

(valves) ASME Section III, 1986 Edition (less N-stamp)
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67⁺ Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Recirc Pump A Suction Drain	Hancock XMY30SH31	N/A	N/A	3-DRV-068-0505 47W46540	N/A	Removed	No
Recirc Pump A Suction Drain	FLOWSERVE W0226005	E663-T-1-5	N/A	3-DRV-068-0505	2002	Installed	No
Recirc Pump A Suction Drain	Hancock XMY30SH31	N/A	N/A	3-DRV-068-0506 47W46540	N/A	Removed	No
Recirc Pump A Suction Drain	FLOWSERVE W0226005	E663-T-1-6	N/A	3-DRV-068-0506	2002	Installed	No
Recirc Pump B Suction Drain	Hancock XMY30SH31	N/A	N/A	3-DRV-068-0520 47W46540	N/A	Removed	No
Recirc Pump B Suction Drain	FLOWSERVE 1888	02 AXE	N/A	3-DRV-068-0520	2002	Installed	No

Identification of Components continued on Page 2

7. Description of Work Replaced four 2" drain valves and piping.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure N/A psi Test Temp. N/A °F
** - Reference Code Case N-416-2.

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 Contracts 1721-00154 & 1721-00198
Design Criteria BFN-50-7068 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced four 2" drain valves and piping. Reference Code Case N-416-2
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen Cole Wilford*, System Engineer Date 5/24, 2004
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 2/16/04 to 5/26/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Flood Commissions TN4011
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/26 2004

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

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

Date May 23, 2004

Sheet 1 of 1

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

Unit 3

Design Change Notice (DCN) 61185,
 Work Order (WOs) 04-713637-000 & 04-713660-000
Repair/Replacement Organization P.O. No., Job No., etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 001, Main Steam (MS) System and System 003, Feedwater (FW) System (ASME Code Class 1)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MS support 3-47B400-68	TVA	N/A	N/A	N/A	N/A	Corrected	No
MS support 3-47B400-82	TVA	N/A	N/A	N/A	N/A	Corrected	No
MS support 3-47B400-95	TVA	N/A	N/A	N/A	N/A	Corrected	No
MS support 3-47B400-204	TVA	N/A	N/A	N/A	N/A	Corrected	No
FW support 3-47B415-34	TVA	N/A	N/A	N/A	N/A	Corrected	No
FW support 3-47B415-49	TVA	N/A	N/A	N/A	N/A	Corrected	No

7. Description of Work Modified the connections between the spacer plates and the support rings per DCN 61185 and replaced bolting.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other * Pressure N/A psi Test Temp. N/A °F * - See Remarks

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

*as amended by additional quality assurance requirements found in Contract 68C37-91602 and Design Criteria BFN-50-7001, BFN-50-C-7105 and BFN-50-C-7107.

FORM NIS-2 (Back)

9. Remarks Modified the connection between the spacer plates and the support rings per DCN 61185 and replaced bolting.
Applicable Manufacturer's Data Reports to be attached
VT-3 performed following modifications

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Wilbur* System Engineer Date 5/23, 2004
Owner or Owner's Representative

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 Conn and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3-16-04 to 5-25-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Flood Commissions TN4011
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/25 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date May 23, 2004
 Sheet 1 of 1

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

Unit 3
 Work Order (WO) 03-009034-000
Repair/Replacement Organization P.O. No. Job No. etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 073, High Pressure Coolant Injection (HPCI) System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HPCI pipe support 3-47B455-622	TVA	N/A	N/A	N/A	N/A	*	No
* - Replaced pipe clamp bolting							
pipe clamp bolting	Unknown	N/A	N/A	N/A	N/A	Removed	No
pipe clamp bolts	U.S. Bolt Bolt JCB 1/25/04	N/A	N/A	N/A	N/A	Installed	No
pipe clamp nuts	NOVA	N/A	N/A	N/A	N/A	Installed	No

7. Description of Work Replaced pipe clamp bolting.

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

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

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

FORM NIS-2 (Back)

9. Remarks Replaced pipe clamp bolting.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Willard* System Engineer Date 5/24, 20 03
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 Tenn and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3-14-04 to 5-25-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Flood
Inspector's Signature

Commissions TPP4011
National Board, State, Province, and Endorsements

Date 5/25 20 04

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

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

Date May 23, 2004

Sheet 1 of 1

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

Unit 3

Work Order (WO) 04-713620-000
Repair/Replacement Organization P.O. No. Job No. etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 001, Main Steam (MS) System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MS support 3-47B400-82	TVA	N/A	N/A	N/A	N/A	*	No
* - Replaced support bolt and nut							
Support bolt and nut	Unknown	N/A	N/A	N/A	N/A	Removed	No
Support bolt and nut	‡	N/A	N/A	N/A	N/A	Installed	No
‡ - Transferred from same component, location and application on BFN Unit 1.							

7. Description of Work Replaced bolt and nut on support 3-47B400-82

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

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

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

FORM NIS-2 (Back)

9. Remarks Replaced bolt and nut on support 3-47B400-82
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen C. Wilbur*, System Engineer Date 5/23, 20 04
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 Tenn and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3-14-04 to 5-25-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Sal Flinn Commissions TN4011
Inspector's Signature National Board, State, Province and Endorsements

Date 5/25 20 04

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date May 29, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 04-713337-000
Repair/Replacement Organization P O No. Job No. etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 069, Reactor Water Cleanup (RWCU) System (ASME Code Class 1 equivalent)
5. (a) Applicable Construction Code (valve) ASME Section III Class 1, 1986 Edition, less N-stamp
(piping) USAS B31.1.0 19 67" Edition, N/A Addenda, N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RWCU system Return Check Valve	Anchor Darling 4"-900# Lift Check	EZ862-1-2	N/A	3-CKV-069-0629	1997	‡	No
‡ - replaced valve disc							
valve disc	Anchor Darling	SN 3	N/A	N/A	1997	Removed	No
valve disc	Anchor Darling	SN 5	N/A	N/A	2002	Installed	No

7. Description of Work Replaced valve disc

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

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

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

FORM NIS-2 (Back)

9. Remarks Replaced valve disc with a vendor supplied replacement.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Stephen C. Wilbur* System Engineer

Owner or Owner's Designee Title

Date 6/2, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3-8-04 to 6-2-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Carl F. Ford
Inspector's Signature

Commissions TN 4011

National Board State, Province and Endorsements

Date 6/2 2004

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

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

Date May 29, 2004

Sheet 1 of 1

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

Unit 3

Work Order (WO) 04-712875-000
Repair/Replacement Organization P O No Job No , etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 073, High Pressure Coolant Injection (HPCI) System (ASME Code Class 2 equivalent)

5. (a) Applicable Construction Code (valve) ASME Section III, 1982, Class 3
(piping) USAS B31.1.0 19 67 ° Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HPCI/RCIC Aux Steam Drain Check Valve	Hancock 2" - 5580W	N/A	N/A	3-CKV-073-0629	N/A	Removed	No
HPCI/RCIC Aux Steam Drain Check Valve	Dresser 2" - 5580W	H819ABC	N/A	3-CKV-073-0629	1982	Installed	Yes

7. Description of Work Replaced valve with a new valve, same model.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
** - Ref. Code Case N-416-2
 Other Pressure N/A psi Test Temp. N/A °F

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

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

FORM NIS-2 (Back)

9. Remarks Replaced valve with a new valve. same model.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Stephen C. Williams* System Engineer

Owner or Owner's Designee Title

Date 6/1, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3/20/04 to 6/2/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David F. Level
Inspector's Signature

Commissions TN 4011

National Board State Province and Endorsements

Date 6/20 20 04

1.2663



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FORM MPY-1 M CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* (AS REQUIRED BY THE PROVISIONS OF THE ASME CODE, SECTION III, DIV. 1)

1. MANUFACTURED BY INDUSTRIAL VALVE OPERATIONS, DRESSER INDUSTRIES INC., HIGHWAY 71 NORTH ALEXANDRIA, LA. (NAME AND ADDRESS OF M CERTIFICATE HOLDER)

2. MANUFACTURED FOR Cherne Contractors, P.O. Box 975, Minneapolis, MN 55440 (NAME AND ADDRESS OF PURCHASER OR OWNER)

3. LOCATION OF INSTALLATION Marble Hill Nuclear Station, New Washington, IN 47162 (NAME AND ADDRESS)

4. PUMP OR VALVE 2"-5580W-1-XSL1-NC104 NOMINAL INLET SIZE 2 (INCH) OUTLET SIZE 2 (INCH)

Table with columns: (a) MODEL NO. OR TYPE, (b) M CERTIFICATE HOLDERS' SERIAL NO., (c) CANADIAN REGISTRATION NO., (d) DRAWING NO., (e) CLASS, (f) MATL. NO., (g) YEAR BUILT. Rows 1-8 show model 5580W with serials H818ABC to H825ABC, class 1NC104, and year 1982.

5. Designed for Steam, Water or Air Service (BRIEF DESCRIPTION OF SERVICE FOR WHICH EQUIPMENT WAS DESIGNED)

6. DESIGN CONDITIONS 1065 PSI (PRESSURE) 700 °F (TEMPERATURE) OR VALVE PRESSURE CLASS (1)

7. COLD WORKING PRESSURE 1480 PSI AT 100°F. 8. PRESSURE RETAINING PIECES

Table with columns: MARK NO., MATERIAL SPEC. NO., MANUFACTURER, REMARKS. Section (A) CASTINGS is empty. Section (B) FORGINGS includes items M1 (ASME SA105, Cape Ann Tool, Body) and L4 (ASME SA105, Cape Ann Tool, Cap).

(1) FOR MANUALLY OPERATED VALVES ONLY

*SUPPLEMENTAL SHEETS IN FORM OF LISTS, SKETCHES OR DRAWINGS MAY BE USED PROVIDED (1) SIZE IS 8-1/2" X 11", (2) INFORMATION IN ITEMS 1, 2 AND 5 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.

FORM NPV-1 (BACK)

MARK NO	MATERIAL SPEC. NO.	MANUFACTURER	REMARKS
(c) BOLTING			
1023	ASME SA193, Gr. B7	Texas Bolt Co.	Cap Studs
JX39	ASME SA194, Gr. 2H	Texas Bolt Co.	Cap Stud Nuts
(d) OTHER PARTS			
G	AMS 5387	Consolidated Casting	Inner Valve
**See Below			
Seat Tested @ 1630 PSIG			
Shell Tested @ 2225 PSIG			

g. HYDROSTATIC TEST ** PSI
 DISK DIFFERENTIAL TEST PRESSURE N/A PSI

CERTIFICATE OF COMPLIANCE

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THAT THIS PUMP OR VALVE CONFORMS TO THE RULES OF CONSTRUCTION OF THE ASME CODE FOR NUCLEAR POWER PLANT COMPONENTS SECTION III DIV. 1 EDITION 1977
 ADDENDA Winter 1977 . CODE CASE NO. N/A DATE 5-19-72
 (DATE)

SIGNED IVO, Dresser Ind., Inc. BY [Signature]
 (N CERTIFICATE HOLDER) Principal Quality Assurance Engineer

OUR ASME CERTIFICATE OF AUTHORIZATION NO. N-1746 TO USE THE N SYMBOL EXPIRES 5-20-83
 (N) (DATE)

CERTIFICATION OF DESIGN

DESIGN INFORMATION ON FILE AT Dresser Plant, Alexandria, La.
 STRESS ANALYSIS REPORT (CLASS 1 ONLY) ON FILE AT _____

DESIGN SPECIFICATIONS CERTIFIED BY (1) P. L. Wattlelet
 PE STATE Indiana REG. NO. 17756

STRESS ANALYSIS CERTIFIED BY (1) _____
 PE STATE _____ REG. NO. _____

(1) SIGNATURE NOT REQUIRED . LIST NAME ONLY.

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 OR PROVINCE OF LOUISIANA AND EMPLOYED BY THE HARTFORD STEEL CO. CO. OF HARTFORD, CONN. HAVE INSPECTED THE PUMP OR VALVE DESCRIBED IN THIS DATA REPORT ON 5-21-72 AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE N CERTIFICATE HOLDER HAS CONSTRUCTED SAID PUMP OR VALVE, IN ACCORDANCE WITH THE ASME CODE SECTION III.

BY SIGNING THIS CERTIFICATE, NEITHER THE INSPECTOR NOR HIS EMPLOYER MAKES ANY WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE EQUIPMENT DESCRIBED IN THIS DATA REPORT. FURTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE LIABLE IN ANY MANNER FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE OR A LOSS OF ANY KIND ARISING FROM OR CONNECTED WITH THIS INSPECTION.

DATE 5-21-72 [Signature]
 INSPECTOR

COMMISSION NO. LOUIS 302 652
 NATL. BO. STATE, PROV. AND NO.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date May 29, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address

2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Work Order (WO) 03-022867-000
Repair/Replacement Organization P O No. Job No. etc

Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 073, High Pressure Coolant Injection (HPCI) System (ASME Code Class 2 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HPCI Turbine Stop Valve	Schutte & Koerting 68-XC-16	N/A	N/A	3-FCV-073-0018	N/A	≠	No
‡ - Replaced pilot valve disc							
pilot valve disc	Schutte & Koerting	N/A	N/A	3-FCV-073-0018	N/A	Removed	No
pilot valve disc	Schutte & Koerting	N/A	N/A	3-FCV-073-0018	N/A	Installed	No

7. Description of Work Replaced pilot valve disc.

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

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

*as amended by additional quality assurance requirements found in Design Criteria BFN-50-7073 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced pilot valve disc with a replacement from the vendor.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Williams System Engineer
Owner or Owner's Designee Title

Date 5/29 .20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3/29/04 to 6/1/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David Ford
Inspector's Signature

Commissions TN 4011
National Board State Province and Endorsements

Date 6/1 2004

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

1. Owner Tennessee Valley Authority (TVA) Date May 29, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-015582-000
Address Repair/Replacement Organization P.O. No., Job No., etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System System 001, Main Steam System (ASME Code Class 2 equivalent)
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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Steam to SJAE B Stage I	Hancock 5500W	N/A	N/A	3-FCV -001-0156	N/A	‡	No
‡ - Replaced valve disc							
valve disc	Hancock	N/A	N/A	3-FCV -001-0156	N/A	Removed	No
valve disc	Hancock	N/A	N/A	3-FCV -001-0156	N/A	Installed	No

7. Description of Work Replaced valve disc with a disc from Unit 1, same application.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure N/A psi Test Temp. N/A °F

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

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

FORM NIS-2 (Back)

9. Remarks Replaced valve disc with a disc from Unit 1, same application.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Stephen C. Wilford System Engineer Date 5/29, 20 04
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3/23/04 to 6/1/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Frank Commissions TN 4011
Inspector's Signature National Board State Province and Endorsements

Date 6/1 20 04

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date May 30, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Orders (WO) 03-021156-000, 03-021156-001 and 03-021156-002
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 085, Control Rod Drive System (ASME Code Class 2 equivalent)
5. (a) Applicable Construction Code USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case
Accumulators - ASME Section VIII, Div 1, 1974 Edition, Summer 1975 Addenda
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRD Hydraulic Control Unit Accumulator	General Electric	Unknown	N/A	3-ACC-085-718/3851	Unknown	Removed	Unknown
CRD Hydraulic Control Unit Accumulator	General Electric	H0522	N/A	3-ACC-085-718/3851	1977	Installed	Yes
CRD Hydraulic Control Unit Accumulator	General Electric	Unknown	N/A	3-ACC-085-718/1447	Unknown	Removed	Unknown
CRD Hydraulic Control Unit Accumulator	General Electric	C0249	N/A	3-ACC-085-718/1447	1977	Installed	Yes
CRD Hydraulic Control Unit Accumulator	General Electric	Unknown	N/A	3-ACC-085-718/4211	Unknown	Removed	Unknown
CRD Hydraulic Control Unit Accumulator	General Electric	H1680	N/A	3-ACC-085-718/4211	1977	Installed	Yes

7. Description of Work Replaced 3 CRD Hydraulic Control Unit accumulators with new accumulators
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure N/A psi Test Temp. N/A °F

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

*as amended by additional quality assurance requirements found in Contract 73C60-75210, HAR-03-0410, 93185033, PEG pkg 030224-BYP2425KG0 and Design Criteria BFN-50-7085 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced 3 CRD Hydraulic Control Unit accumulators with new accumulators. Manufacturers' Data Reports attached.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Williams, System Engineer
Owner or Owner's Designee, Title

Date 6/8, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Tennessee or Province of Connecticut and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 2/27/04 to 6/10/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Howard
Inspector's Signature

Commissions TN4011
National Board, State, Province, and Endorsements

Date 6/10 20 04

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

1. Manufactured by General Electric Company, P.O. Box 780, Wilmington, N.C.
2. Manufactured for Same as Above
3. Location of Installation _____
4. Type Vertical (Horiz. or vert. tank) (Altgr's Serial No.) H0522 (ICRN) 105D6138G001 (Drawing No.) N/R (Nat'l Bld No.) (Year Built) 1977

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1974 and Addenda to S 75 and Code Case Nos. _____
Special Service per UG-120(d) As Per This Data Report - See Remarks Below

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

6. Shell: Matl. SA-106 Gr. B (Spec. No., Grade) Nom. Thk. .55 in. Allow. Corr. in. Diam. 8.70 in. Lgth. 3 ft 2:38 in.

7. Seams: Long. N/A (Welded, Dbl. Sngl. Lap, Butt) (Spot or Full) Efficiency N/A % H.T. Temp. --- F Time --- hr
Girth No Welding Performed (Welded, Dbl. Sngl. Lap, Butt) (Spot or Full) R.T. No. of Courses ---

8. Heads: (a) Material SA-182-F304 (Spec. No., Grade) (b) Material SA-182-F304 (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellips Ratio	Conical Apex Angle	Hemiph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) Top	2.5"							7.230	Flathead
(b) Bottom	2.5"							7.230	Flathead

If removable, bolts used (describe other fastenings) 500-13 Bolts-ASME-SA193-B7 for Split Flanges (4) (Material, Spec. No., Gr., Size, No.)

9. Constructed for max. allowable working pressure 2100 psi at max. temp. 600 F. Min. temp. (when less than -20 F) --- F. Hydrostatic, pneumatic, or combination test pressure 3200 psi.

10. Safety Valve Outlets: Number None Size --- Location ---

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Gas Port	1	.75"	Split Flng.	30455	1.060	None	Bolts	(4) Bottom.
Water Port	1	.97"	Split Flng.	30455	1.300	None	Bolts	(4) Top

12. Supports: Skirt No (Yes or No) Lugs No (No) Legs --- (No) Other --- (Describe) Attached --- (Where and how)

13. Remarks: Complete Mechanical Assembly with No Welded Joints.

Although A Differential Pressure Exists on each side of the Internal Piston, the Accumulator Cylinder is Hydrostatically tested with the Piston removed. The Hydro Test pressure is based on the higher design pressure.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.
Date 9-23-77 Signed General Electric Co. by [Signature] (Manufacturer) (Representative)
"U" Certificate of Authorization No. 10,572 expires June 10, 1978

CERTIFICATE OF SHOP INSPECTION

Vessel made by General Electric Co. at Wilmington, N.C.
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 N. Carolina and employed by Dept Of Labor have inspected the pressure vessel described in this Manufacturers' Data Report on 9/29 1977, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Signed [Signature] (Inspector) Date 9/29/77 Commissions NC 723, PA, WC1766, OHIO (Nat'l Bpard, State, Province and No.)

Handwritten signature/initials

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

1. Manufactured by General Electric Company, P.O. Box 780, Wilmington, N.C.
2. Manufactured for General Electric Co., San Jose, Ca. (NEBG)
3. Location of Installation _____
4. Type Vertical C0249 105D6138G001 N/R (Year Built) 1979
(Horiz. or vert. tank) (Mfg's Serial No.) (CRN) (Drawing No.) (Weld. Ord. No.)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1974 and Addenda to S'75 and Code Case Nos. _____
(Year) (Date)
Special Service per UG-120(d) As Per This Data Report - See Remarks Below
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

6. Shell: Matl. SA-106 Gr. B Nom. .55 Corr. In. Allow. 8.70 In. Diam. 3 ft. 2.38 In.
(Spec. No., Grade)
7. Seams: Long. N/A Seamless R.T. N/A Efficiency --- % H.T. Temp. --- F Time --- hr
(Welded, Oct. Singl. Lap, Butt) (Spot or Full)
Girth No Welding Performed R.T. No. of Courses ---
(Welded, Oct. Singl. Lap, Butt) (Spot, Partial, or Full)
8. Heads: (a) Material SA-182-F304 (b) Material SA-182-F304
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knauffe Radius	Edges Rnd.	Cortical Apex Angle	Hemiph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) TOP	2.5"							7.230	Flathead
(b) BOTTOM	2.5"							7.230	Flathead

If removable, bolts used (describe other fastenings) 500-13 Bolts-ASME-SA193-B7 for Split Flanges (4)
(Material, Spec. No., Gr., Size, No.)

9. Constructed for max. allowable working pressure 2100 psi at max. temp. 400 F. Min. temp. (when less than -20 F) --- F. Hydrostatic, pneumatic, or combination test pressure 3200 psi.
10. Safety Valve Outlets: Number None Size --- Location ---
11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Gas Port 1	.75"	Split Flng.	30455	1.060	None	Bolts (4)	Bottom.
Water Port 1	.97"	Split Flng.	30455	1.300	None	Bolts (4)	Top

12. Supports: Stirr. No Lugs (No.) Legs (No.) Other --- Attached --- (Where and how)
13. Remarks: Complete Mechanical Assembly with No Welded Joints.

Although A Differential Pressure Exists on each side of the Internal Piston, the Accumulator Cylinder is Hydrostatically tested with the Piston removed. The Hydro Test pressure is based on the higher design pressure.

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1	
Date <u>3-7-79</u> Signed <u>General Electric Co.</u> by <u>[Signature]</u> (Manufacturer) (Representative)	
"U" Certificate of Authorization No. <u>10,572</u> expires <u>June 10, 1981</u>	
CERTIFICATE OF SHOP INSPECTION	
Vessel made by <u>General Electric Co.</u> at <u>Wilmington, N. C.</u>	
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 <u>N. Carolina</u> and employed by <u>Dept Of Labor</u> have inspected the pressure vessel described in this Manufacturers' Data Report on <u>3-7, 1979</u> and state that to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Signed <u>[Signature]</u> Date <u>3-7-79</u> Commissioners <u>NC 723, Pa. WC1766, Oh'</u> (Inspector) (Natl Board, State, Province and No.)	

[Handwritten signature and date]
2/2/79

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

1. Manufactured by General Electric Company, P.O. Box 780, Wilmington, N.C.
 2. Manufactured for Same as Above
 3. Location of Installation _____
 4. Type Vertical HT680 10SD6138G001 N/R (Year Built) 1978
(Horiz. or vert. tank) (Mfg's Serial No.) (CRM) (Drawing No.) (Net'l Bld No.)
 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1974 and Addenda to S-75 and Code Case No. _____
(Year) (Date)
 Special Service per UG-120(d) As Per This Data Report - See Remarks Below
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

6. Shell: Matl. SA-106 Gr. B Nom. Thk. .55 in. Corr. Allow. _____ in. Diam. 8.70 in. Lgth. 3 ft 2.38 in.
(Spec. No., Grade)
 7. Seams: Long. N/A Seamless R.T. Efficiency _____ % H.T. Temp. _____ F Time _____ hr
(Welded, Dot, Singl. Lap, But) (Spot or Full)
 Girth No Welding Performed R.T. _____ No. of Courses _____
(Welded, Dot, Singl. Lap, But) (Spot, Partial, or Full)
 8. Heads: (a) Material SA-182-F304 (b) Material SA-182-F304
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemiph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) TOP	2.5"							7.230	Flathead
(b) BOTTOM	2.5"							7.230	Flathead

If removable, bolts used (describe other fastenings) 500-13 Bolts-ASME-SA193-B7 for Split Flanges (4
(Material Spec. No., Gr., Size No.)

9. Constructed for max. allowable working pressure 2100 psi at max. temp. 400 F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 3200 psi

10. Safety Valve Outlets: Number None Size _____ Location _____

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Gas Port	1	.75"	Split Flng.	30455	1.050	None	Bolts	(4) Bottom.
Water Port	1	.97"	Split Flng.	30455	1.300	None	Bolts	(4) Top

12. Supports: Skirt No Lugs _____ Legs _____ Other _____ Attached _____
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: Complete Mechanical Assembly with No Welded Joints.

Although A Differential Pressure Exists on each side of the Internal Piston, the Accumulator Cylinder is Hydrostatically tested with the Piston removed. The Hydro Test pressure is based on the higher design pressure.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.
 Date 9/11/78 Signed General Electric Co. by [Signature]
(Manufacturer) (Representative)
 "U" Certificate of Authorization No. 10,572 expires June 10, 1981

CERTIFICATE OF SHOP INSPECTION

Vessel made by General Electric Co. at Wilmington, N. C.
 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 N. Carolina and employed by Dept Of Labor have inspected the pressure vessel described in this Manufacturers' Data Report on 9/11 19 78, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Signed [Signature] Date 9/11/78 Commissions NC799, PA, WC2LE0, Ohio
(Inspector) (That'l Board, State, Province and No.)

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

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

Date May 31, 2004
 Sheet 1 of 2

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

Unit 3
 Design Change Notices (DCNs) T39906A & 61144A,
 Work Orders (WOs) 04-713121-000 and 04-713285-000
Repair/Replacement Organization P O No. Job No. etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 001, Main Steam System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam Line C Outbd Isol Valve (MSIV)	Atwood & Morrill 20851-H-26	N/A	N/A	3-FCV-001-0038	N/A	≠	No
Main Steam Line D Inbd Isol Valve (MSIV)	Atwood & Morrill 20851-H-26	N/A	N/A	3-FCV-001-0051	N/A	≠	No
≠ - Replaced poppet valve disc and cover plate							
poppet valve disc	Atwood & Morrill	Unknown	N/A	3-FCV-001-0038	N/A	Removed	No
poppet valve disc	Atwood & Morrill	3	N/A	3-FCV-001-0038	N/A	Installed	No
poppet valve disc	Atwood & Morrill	Unknown	N/A	3-FCV-001-0051	N/A	Removed	No
poppet valve disc	Atwood & Morrill	4	N/A	3-FCV-001-0051	N/A	Installed	No

7. Description of Work Replaced poppet valve disc and cover plate with modified components

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

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

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

FORM NIS-2 (Back)

9. Remarks Installed modified poppet with a trimmed nose and a new bonnet cover with a backing ring in both MSIVs according to DCNs .
Applicable Manufacturer's Data Reports to be attached
T39906A & 61144A. Replaced 3 bonnet studs and 1 bonnet nut on 3-FCV-001-0038 and replaced support steel bolting (three 1-3/4 bolts and
four 1-1/4 bolts) for 3-FCV-001-0038. All replaced bolting was cut or damaged during disassembly.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] System Engineer Date 5/31 , 20 04
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Tennessee and employed by HSB CT of
Connecticut have inspected the components described
in this Owner's Report during the period 2/5/04 to 6/1/04, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's
Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 4011
Inspector's Signature National Board State Province and Endorsements

Date 6/1 20 04

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

Owner <u>Tennessee Valley Authority (TVA)</u> <small>Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small>Address</small> 2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small>Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small>Address</small> 3. Work Performed by <u>TVA-BFN</u> <small>Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small>Address</small> 4. Identification of System <u>System 001 Main Steam System (ASME Code Class 1 equivalent)</u> 5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67</u> Edition. Addenda. Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95, 1996 Addenda</u> 6. Identification of Components	Date <u>May 31, 2004</u> Sheet <u>2</u> of <u>2</u> Unit <u>3</u> Design Change Notice (DCN) <u>T39906A & 61144A</u> Work Orders (WOs) <u>04-713121-000 and 04-713285-000</u> <small>Repair/Replacement Organization P. O. No. Job No. etc</small> Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
--	--

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
cover plate	Atwood & Morrill	Unknown	N/A	3-FCV-001-0038	N/A	Removed	No
cover plate	Atwood & Morrill	2	N/A	3-FCV-001-0038	N/A	Installed	No
cover plate	Atwood & Morrill	Unknown	N/A	3-FCV-001-0051	N/A	Removed	No
cover plate	Atwood & Morrill	1	N/A	3-FCV-001-0051	N/A	Installed	No
bonnet bolting	Atwood & Morrill	N/A	N/A	3-FCV-001-0038	N/A	Removed	No
bonnet bolting	Atwood & Morrill	N/A	N/A	3-FCV-001-0038	N/A	Installed	No
support steel bolting	Unknown	N/A	N/A	3-FCV-001-0038	N/A	Removed	No
support steel bolting	NOVA	N/A	N/A	3-FCV-001-0038	N/A	Installed	No

7. Description of Work _____

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

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

As Required by the Provisions of the ASME Code Section XI

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

Date May 31, 2004

Sheet 1 of 1

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

Unit 3

Design Change Notice (DCN) 51643A
 Work Order (WO) 03-006434-000
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System System 073, High Pressure Coolant Injection System (ASME Code Class 2 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HPCI Sys Condensate Test Valve	Crane/Chapman LIST953WE	N/A	N/A	3-FCV-073-0035	N/A	‡	No
‡ - replaced valve plug/disc and modified seat							
valve plug/disc	Crane	N/A	N/A	3-FCV-073-0035	N/A	Removed	No
valve plug/disc	Crane	D2804	N/A	3-FCV-073-0035	N/A	Installed	No
valve seat	Crane	N/A	N/A	3-FCV-073-0035	N/A	Installed	No

7. Description of Work Replaced valve plug/disc and trim with modified components and modified the seating surface (weld buildup involved).

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

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

*as amended by additional quality assurance requirements found in Contract 68C37-91750, GE spec 21A1047AK and Design Criteria BFN-50-7073 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced valve plug/disc and trim with modified components and modified the seating surface (weld buildup involved) per .
Applicable Manufacturer's Data Reports to be attached
DCN 51643A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Stephen J. Willard*, System Engineer Date 6/8 .2004
Owner or Owner's Representative, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3/3/04 to 6/10/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul J. ... Commissions TN 4011
(Inspector's Signature) National Board, State, Province, and Endorsements

Date 6/10 20 04

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

As Required by the Provisions of the ASME Code Section XI

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

Date June 1, 2004
 Sheet 1 of 1

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

Unit 3
 Work Orders (WO) 02-015895-000 and 02-015897-000
Repair/Replacement Organization P O No Job No. etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 001, Main Steam System (ASME Code Class 2 equivalent)

5. (a) Applicable Construction Code (valves) ASME Section III, Class 2, 1989 Edition (less N-stamp)
(piping) USAS B31.1.0 19 67 * Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam to Off-gas Preheater CKV	FLOWERVE	E966A-1-3	N/A	3-CKV-001-0742	2000	Removed	No
Main Steam to Off-gas Preheater CKV	FLOWERVE	92AYM	N/A	3-CKV-001-0742	2000	Installed	No
Main Steam to Off-gas Preheater CKV	FLOWERVE	E966A-1-6	N/A	3-CKV-001-0744	2000	Removed	No
Main Steam to Off-gas Preheater CKV	FLOWERVE	91AYM	N/A	3-CKV-001-0744	2000	Installed	No
bolting	Unknown	N/A	N/A	3-CKV-001-0742 & -0744	N/A	Removed	No
bolting	NOVA	N/A	N/A	3-CKV-001-0742 & -0744	N/A	Installed	No

7. Description of Work Replaced check valves and flange bolting on 3-CKV-001-0742 and 3-CKV-001-0742.

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

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

*as amended by additional quality assurance requirements found in Contract 1474286, PO 20077/Release 91, and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced check valves and flange bolting on 3-CKV-001-0742 and 3-CKV-001-0742.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Stephen C. Williams System Engineer

Owner or Owner's Designee Title

Date 6/1 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Tennessee and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 3/13/04 to 6/2/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen C. Williams
Inspector's Signature

Commissions

TN: 1011

National Board State Province and Endorsements

Date 6/2 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date June 22, 2001
 Sheet 1 of 1

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

Unit 3
 Design Change Notice (DCN) 61146A
 Work Order (WO) 04-713004-000
Repair/Replacement Organization P O No Job No. etc

3. Work Performed by TVA-BFN
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System System 001, Main Steam System (ASME Code Class 1 equivalent)

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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2" coupling	Bonney Forge	N/A	N/A	N/A	N/A	Installed	No
2" pipe	Consolidated Power	N/A	N/A	N/A	N/A	Installed	No

7. Description of Work Added a section of 2" pipe and a 2" coupling to the test connection at 3-FCV-001-0052

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure ** Exempt
** - Ref. Code Case N-416-2.
 Other Pressure N/A psi Test Temp. N/A °F

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

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

FORM NIS-2 (Back)

9. Remarks Added a section of 2" pipe and a 2" coupling to the test connection at 3-FCV-001-0052
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Stephen C. Wilkoff, System Engineer Date 6/1, 20 04
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3/6/04 to 6/2/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen C. Wilkoff Commissions TN/CT
Inspector's Signature National Board State Province and Endorsements
Date 6/2 20 04

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date June 2, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 3
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 03-013482-000
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 001, Main Steam System (ASME Code Class 2 equivalent)
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 95 Edition, 1996 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RFPT3C HP Steam Stop Valve	General Electric	N/A	N/A	3-FCV-001-0143	N/A	*	No
* - Replaced valve disc							
Valve disc	General Electric	N/A	N/A	3-FCV-001-0143	N/A	Removed	No
Valve disc	General Electric	N/A	N/A	3-FCV-001-0143	N/A	Installed	No

7. Description of Work Replaced the valve disc with a new disc assembly from the vendor.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure N/A psi Test Temp. N/A °F

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

*as amended by additional quality assurance requirements found in VTM-G080-6870 and Design Criteria BFN-50-7001 and BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Replaced the valve disc with a new disc assembly from the vendor.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Stephen C. Wilford, System Engineer Date 6/8, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 2/26/04 to 6/9/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen C. Wilford Commissions TN4011
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/9 20 04