

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8089 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/3/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/13, 2004 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.

11/03, 2004 [Signature] NB8214 IBNA
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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 February 28, 2005
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 3
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN 18883 / Work Order (WO) 02-016049-010
Repair/Replacement Organization P.O. No., Job No., etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
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 (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
(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)
BFR-1-CRDM-085-26-07	GE	A6785	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-07	GE	A3974	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-07	GE	A6950	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-14-07	GE	A6985	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-30-11	GE	A6650	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-11	GE	A6956	N/A	N/A	2003	Installed	Yes

7. Description of Work Replaced CRD Bank "K" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 February 28, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 18883 / Work Order (WO) 02-016049-010
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 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
BFR-1-CRDM-085-22-11	GE	A6964	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-02-23	GE	A8119	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-06-27	GE	A6884	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-02-27	GE	A6957	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-10-31	GE	A8156	N/A	N/A	2003	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "K" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 Charlton Burns ISI Program Engineer

Owner or Owner's Designee, Title

Date

6/2

, 20

07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 6-2-2005 to 6-4-2007, 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.

Curtis A. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

6-4

, 20

05

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6785 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/24, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05
Date

2004

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A3974 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 , Addenda Date W'75 , Case No. N207, 1361-2 , Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/24, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05, 2004
Date

[Signature]
Inspector's Signature

NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6950 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/17, 2004 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 I-2 on the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6985 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004

Signed GE-NE
(NPT Certificate Holder)

By 
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

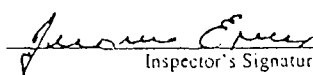
23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 2/25, 2004, 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.

3/31, 2004 
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6650 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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

11/16/04
Date

[Signature]
Inspector's Signature

NB 11725 AB NNS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6956 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/67, 2003 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.

7/23 2003 [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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6964 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/24, 2004 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05

Date

2004

[Signature]
Inspector's Signature

NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8119 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 10/21/03 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.

10/21/03
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6884 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/30, 2003 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.

10/21/03 [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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6957 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003 Signed GE-NE By 
(NPT Certificate Holder) (SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

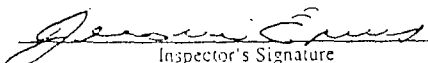
23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/30/2003 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.

10/21/03  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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8156 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 10/20/2003, 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.

10/21/03
Date

[Signature]
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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 February 28, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 18883 / Work Order (WO) 02-016049-011
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 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
BFR-1-CRDM-085-10-35	GE	A6758	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-06-35	GE	A6858	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-06-39	GE	A6643	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-06-43	GE	A6835	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-59	GE	A6923	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-10-51	GE	A6816	N/A	N/A	2004	Installed	Yes

7. Description of Work Replaced CRD Bank "L" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small>	Date <u>February 28, 2005</u> Sheet <u>2</u> of <u>3</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Unit <u>1</u> <u>DCN 18883 / Work Order (WO) 02-016049-011</u> <small style="margin-left: 100px;">Repair/Replacement Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>

4. Identification of System System 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent

5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A

(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)
BFR-1-CRDM-085-14-51	GE	A6808	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-51	GE	A6977	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-51	GE	A6403	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-51	GE	A8176	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-30-51	GE	A8104	N/A	N/A	2004	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "L" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 *Elton Burton* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-02-05 to 06-02-07, 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.

Harold Bell
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province, and Endorsements

Date 06-02 20 07

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

As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6758 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004Signed GE-NE
(NPT Certificate Holder)By [Signature]
(SCQ Representative)Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151**CERTIFICATION OF DESIGN FOR APPURTENANCE**Design information on file at GE COMPANY, SAN JOSE, CALIFORNIAStress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193**CERTIFICATION OF SHOP INSPECTION**

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/31, 2004 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05 2004
Date[Signature]
Inspector's SignatureNB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6858 ✓ Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 , Addenda Date W'75 , Case No. N207, 1361-2 , Class 1

3 Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/28/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SQCR Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/28/2004, 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.

9/28/2004
Date

[Signature]
Inspector's Signature

NBS214 IBNA
National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8 1/4 " x 11", (2) information in 1-2 on the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6643 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/18/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/20, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/20, 2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6835 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 04/27/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/31, 2004 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/05
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6923 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/13/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 7/14, 2004, 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

7/14, 2004

Inspector's Signature

[Signature]

NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6816 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 06/23/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/23, 2004, 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.

6/23, 2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part. A6808 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report)

Date 06/23/2004 Signed GE-NE By 
(NPT Certificate Holder) (SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

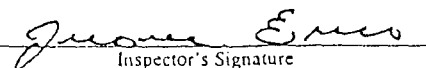
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/22, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/23, 2004
Date


Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6977 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 , Addenda Date W'75 , Case No. N207, 1361-2 , Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 06/23/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/23/2004 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.

6/23/2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6403 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 06/23/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/23, 2004, 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.

6/23, 2004 [Signature] NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8176 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/3/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/03, 2004 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.

11/03, 2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8104 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/3/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 10/13, 2004, 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

11/03, 2004

Inspector's Signature

[Signature]

NB8214 IBNA

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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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 February 28, 2005
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Address
DCN 18883 / Work Order (WO) 02-016049-012
Repair/Replacement Organization P.O. No., Job No. etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Address
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 (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
(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)
BFR-1-CRDM-085-30-19	GE	A6651	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-15	GE	A6666	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-19	GE	A6760	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-15	GE	A8121	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-22-19	GE	A6745	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-15	GE	A6848	N/A	N/A	2004	Installed	Yes

7. Description of Work Replaced CRD Bank "M" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 February 28, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
BFR-1-CRDM-085-18-19	GE	A6864	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-14-15	GE	A8174	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-14-19	GE	A6994	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-10-15	GE	A8218	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-06-15	GE	A6993	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-10-19	GE	A8151	N/A	N/A	2003	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "M" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 Chen Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-01-05 to 06-02-07, 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.

Harold Bell
Inspector's Signature

Commissions

ALI01638L
National Board, State, Province, and Endorsements

Date 06-02 20 07

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6651 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1


3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By


(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

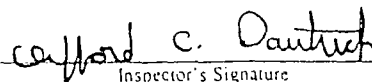
CERTIFICATION OF SHOP INSPECTION

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 11/16/04, 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.

11/16
Date

04


Inspector's Signature

NB 11725 A B N NS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the AME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6666 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SQE Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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.

11/16/04
Date

[Signature]
Inspector's Signature

NB 11725 AB N NS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6760 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/07/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/23, 2004, 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.

7/07, 2004
Date

[Signature]
Inspector's Signature

NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8121 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class I

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/05/2003

Signed GE-NE
(NPT Certificate Holder)

By


(SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

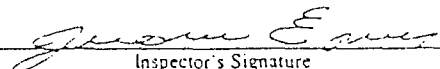
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/05/2003, 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.

11/06/2003
Date


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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6745 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207,1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/13/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5th 2004, 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.

7/14 2004 [Signature] NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6848 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks. STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A-4920, Rev 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/15, 2004, 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

11/11, 2004

Inspector's Signature

[Signature]

NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the AME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6864 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207,1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/07/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 923, 2004, 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.

7/07 2004 [Signature] NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8174 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 10/20/2003 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

10/21/03

Inspector's Signature

[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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6994 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/6/2003 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.

7/23 2003
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8218 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 76SE534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE: MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SQQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 10/20/2003 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.

10/21/03
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6993 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207,1361-2, Class I

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/29, 2004 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.

3/29, 2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8151 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/23, 2003 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.

7/23, 2003
Date

[Signature]
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>February 28, 2005</u> Sheet <u>1</u> of <u>3</u> Unit <u>1</u> DCN 18883 / Work Order (WO) 02-016049-013 <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent</u>	
5. (a) Applicable Construction Code <u>(Piping) ASME Sec III</u> <u>19</u> <u>71</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95</u> Edition, <u>1996</u> 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)
BFR-1-CRDM-085-14-31	GE	A8216	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-30-35	GE	A6953	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-26-35	GE	A6990	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-35	GE	A6887	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-35	GE	A6872	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-14-35	GE	A8206	N/A	N/A	2004	Installed	Yes

7. Description of Work Replaced CRD Bank "N" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 February 28, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 18883 / Work Order (WO) 02-016049-013
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 (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
(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)
BFR-1-CRDM-085-10-39	GE	A6922	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-06-47	GE	A6904	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-10-47	GE	A8084	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-14-47	GE	A8086	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-18-47	GE	A8170	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-22-47	GE	A8049	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-26-47	GE	A8221	N/A	N/A	2003	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "N" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

is amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 *Ethan Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-02-07 to 06-02-07, 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.

Harold E. Bell
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 06-02 20 07

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8216 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDILAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/22, 2003 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.

10/21/03
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6953 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class I
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/26, 2003, 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.

9/24, 2003 [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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6990 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005


© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By 
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

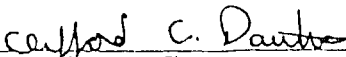
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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.

11/16/04
Date


Inspector's Signature

NB 11725 AB N NS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6887 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By

[Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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.

11/16/04
Date

Ceyford C. Dauter
Inspector's Signature

NB 11725 AB NNS
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 I-2 on the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6872 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks. STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 is responsible for furnishing a separate Design Specification and Stress Report if the appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCO Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg No. M21193

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 11/16/04 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.

11/16 04
Date

[Signature]
Inspector's Signature

NB 11725 ABNNS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8206 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/11/2004, 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.

11/11/2004
Date

[Signature]
Inspector's Signature

NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6922 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 PSI. MEN.
(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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/24, 2003 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

9/24, 2003

Inspector's Signature

[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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6904 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 2/25, 2004 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.

3/31, 2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8084 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQJ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/23/2003, 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.

9/24/2003
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8086 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 PSI. MEN.
(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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/23, 2003, 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.

9/24
Date

2003

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A8176 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCO Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/24, 2003, 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.

9/24, 2003
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A8049 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/20, 2003, 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.

9/24, 2003 [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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A8221 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207,1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No: NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/23, 2003 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.

9/24, 2003
Date

[Signature]
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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 February 28, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 18883 / Work Order (WO) 02-016049-014
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 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
(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)
BFR-1-CRDM-085-26-23	GE	A6576	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-30-27	GE	A6801	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-23	GE	A6812	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-27	GE	A6974	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-23	GE	A8111	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-27	GE	A8222	N/A	N/A	2004	Installed	Yes

7. Description of Work Replaced CRD Bank "O" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 February 28, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 18883 / Work Order (WO) 02-016049-014
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 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
BFR-1-CRDM-085-14-23	GE	A6967	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-18-27	GE	A8172	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-10-23	GE	A8118	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-14-27	GE	A8041	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-06-23	GE	A6949	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-10-27	GE	A8116	N/A	N/A	2004	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "O" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 *Ethan Barne*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-03-05 to 06-02-07, 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.

Harold G. Lee
Inspector's Signature

Commissions

AL10635L
National Board, State, Province, and Endorsements

Date 06-02 20 07

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6576 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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.

11/16/04
Date

[Signature]
Inspector's Signature

NB 11725 A B N NS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6801 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report)

Date 11/16/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04 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.

11/16/04 [Signature] NB 11725 ABN NS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6812 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/16/2004

Signed GE-NE
(NPT Certificate Holder)

By

[Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/16/04, 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

11/16/04
Date

[Signature]
Inspector's Signature

NB 11725 ABNNS
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6974 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004

Signed GE-NE
(NPT Certificate Holder)

By 
(SQC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193


CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/17, 2004 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

3/31, 2004


Inspector's Signature

NB8214, IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8111 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/11/2004 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

11/11/2004

Inspector's Signature

[Signature]

NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8222 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/28, 2004, 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.

11/11, 2004 [Signature] NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6967 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/05/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/30, 2003 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.

11/06, 2003 [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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the AME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A8172 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/13/2004 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.

11/11/2004 [Signature] NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8118 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/23/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. N21193

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 7/23, 2003 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.

7/23 2003 [Signature]
Date 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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A8041 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/11/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/11/2004 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.

11/11/2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6949 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 10/20/2003

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 7/23, 2003 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.

10/21/03
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8116 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974 Addenda Date W'75 Case No. N207, 1361-2 Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 07/07/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQJ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 6/23, 2004 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.

7/07, 2004 [Signature] NB8214 IBNA
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>February 28, 2005</u> Sheet <u>1</u> of <u>3</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 18883 / Work Order (WO) 02-016049-015</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>

4. Identification of System System 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent

5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A

(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)
BFR-1-CRDM-085-18-31	GE	A8142	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-31	GE	A8217	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-31	GE	A8065	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-39	GE	A8178	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-39	GE	A6850	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-39	GE	A8136	N/A	N/A	2003	Installed	Yes

7. Description of Work Replaced CRD Bank "P" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 February 28, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 18883 / Work Order (WO) 02-016049-015
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 085, Control Rod Drive (CRD) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) ASME Sec III 19 71 Edition*, N/A Addenda, N/A Code Case N/A
(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)
BFR-1-CRDM-085-14-39	GE	A8132	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-10-43	GE	A6809	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-14-43	GE	A6587	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-18-43	GE	A6814	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-22-43	GE	A6813	N/A	N/A	2004	Installed	Yes
BFR-1-CRDM-085-26-43	GE	A6866	N/A	N/A	2003	Installed	Yes
BFR-1-CRDM-085-30-43	GE	A6970	N/A	N/A	2004	Installed	Yes
Bolting	NOVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced CRD Bank "P" drives and bolting.
Replacements built to ASME Section III, 1974 - Winter 1975, with Code Cases N207 and 1361-2.

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

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

is amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.1.A in WO 04-713480-000.

Applicable Manufacturer's Data Reports to be attached

Code Data Reports (Form N-2) are 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 *Elton B...* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-03-05 to 06-02-07, 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.

Harold G. Hill
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 06-02 20 07

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

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8142 ✓ Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1


3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/28/2004

Signed GE-NE
(NPT Certificate Holder)

By


(SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

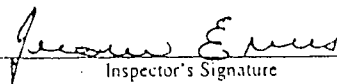
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 9/29/2004 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

9/29/2004

Inspector's Signature



NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8217 Nat'l Bd. No. N/A


(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/28/2004 Signed GE-NE By 
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/28, 2004, 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.

9/29, 2004  NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8065 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/09, 2004, 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.

3/21, 2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8178 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/28/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at	<u>GE COMPANY, SAN JOSE, CALIFORNIA</u>		
Stress analysis report on file at	<u>GE COMPANY, SAN JOSE, CALIFORNIA</u>		
DC22A6253, Rev. 02			
Design specification certified by	<u>B.N. SRIDHAR</u>	Prof. Eng. State	<u>CALIF.</u> Reg. No. <u>18345</u>
23A4920, Rev. 02			
Stress analysis report certified by	<u>J.C. CARUTH</u>	Prof. Eng. State	<u>CALIF.</u> Reg. No. <u>M21193</u>

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 8/11, 2004 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.

9/29, 2004 [Signature] NBS214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6850 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/26/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/26, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/26, 2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8136 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 11/05/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 11/05/2003, 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.

11/05/2003
Date

[Signature]
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A8132 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/28/2004

Signed GE-NE
(NPT Certificate Holder)

By [Signature]
(SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 SEP. 2004 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.

9/29/2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6809 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/18/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/20/2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/20/2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6587 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/25/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/22, 2004 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/26, 2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6814 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/25/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCC Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/25/2004 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

5/26/2004

Inspector's Signature

[Signature]

NB8214 IBNA

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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part A6813 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO

(b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005

© Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1

3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 05/25/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SQO Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 5/25, 2004, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

5/26, 2004 [Signature]
Date Inspector's Signature

NB8214 IBNA
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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6866 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 09/23/2003 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02
Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02
Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

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 9/23/2003, 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

9/24/2003

Inspector's Signature

[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 the 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 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME code Rules, Section III, Division I

1. Manufactured and 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/Browns Ferry Nuclear Plant Athens, AL 35611
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part A6970 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 768E534G008, Rev. 09 Drawing Prepared by E.M. DERRO
- (b) Description of Part Inspected CONTROL ROD DRIVE; MODEL# 7RDB144FG005
- © Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207, 1361-2, Class 1
3. Remarks: STANDARD PART FOR USE WITH REACTOR. HYDROSTATICALLY TESTED AT 1820 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 appurtenances is not included in the component Design Specification and Stress Report).

Date 03/29/2004 Signed GE-NE By [Signature]
(NPT Certificate Holder) (SCQ Representative)

Certificate of Authorization Expires 06/16/2005 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE

Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA

Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA

DC22A6253, Rev. 02

Design specification certified by B.N. SRIDHAR Prof. Eng. State CALIF. Reg. No. 18345

23A4920, Rev. 02

Stress analysis report certified by J.C. CARUTH Prof. Eng. State CALIF. Reg. No. M21193

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 3/17, 2004 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.

3/31, 2004
Date

[Signature]
Inspector's Signature

NB8214 IBNA
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 the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3 "Remarks".

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 October 3, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51020 Work Order (WO) 02-016053-000
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B455-622	TVA	N/A	N/A	Old ID HPCI-1-R6	2006	Removed	No
1-47B455-623	TVA	N/A	N/A	Old ID HPCI-1-H48	2006	Removed	No

7. Description of Work Removal only of supports to allow for modification of building steel.
New supports to be installed per WO 02-014857-014.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 *Chen Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/3, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-31-02 to 10-04-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Huseo E. Ili
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 10-04 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 16, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 02-016302-001
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 068, Reactor Water Recirculation (RWR) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (RPV) ASME Section III 19 65* Edition, N/A Addenda, N/A Code Case N/A
(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)
Fuel Support Casting at location 26-47	General Electric	N/A	N/A	None	2005	Removed Old	No
Fuel Support Casting at location 26-47	General Electric	010	N/A	None	2005	Installed New	No

7. Description of Work Removed old casting and installed new fuel support casting.
This is a like-for-like material replacement per GE Dwg. 117C4050, 729E584 and TIIC CDP-999T.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Chen Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/16, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/10/05 to 8/17/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Chen Burns
Inspector's Signature

Commissions

NC # 1525

National Board, State, Province, and Endorsements

Date Aug. 17, 20 05

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>January 8, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> Work Order (WO) <u>02-016531-000</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No. Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 001 & 010, Main Steam (MS) System & Boiler Drains & Vents (BD&V) ASME Code Class 1 & 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
RSSJ-1 & 2 (10")	TVA	N/A	N/A	New ID will be 1-47B401-38	2003	Removed	No
RVVH-14 (10")	TVA	N/A	N/A	New ID will be 1-47B401-39	2003	Removed	No
RSSJ-3 & 4 (10")	TVA	N/A	N/A	New ID will be 1-47B401-41	2003	Removed	No
RSSL-1 & 2 (10")	TVA	N/A	N/A	New ID will be 1-47B401-49	2003	Removed	No
RVVH-15 (10")	TVA	N/A	N/A	New ID will be 1-47B401-50	2003	Removed	No
RSSL-3 & 4 (10")	TVA	N/A	N/A	New ID will be 1-47B401-51	2003	Removed	No
MS-1-HD4 (26")	TVA	N/A	N/A	New ID will be 1-47B400-72	2003	Removed	No
MS-1-SSC1 (26")	TVA	N/A	N/A	New ID will be 1-47B400-101	2003	Removed	No

7. Description of Work Temporary removal of supports to allow for drywell steel removal. See Remarks.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014851-001 (supports 38, 39, and 41), WO# 02-014851-007
Applicable Manufacturer's Data Reports to be attached
(support 49 and 50), WO# 02-014851-008 (support 51), WO# 02-014857-001 (support 72), and WO# 02-014857-006 (support 101).

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 27, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-30-02 to 07-03-07, 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.

Harold R. Bell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 07-03 20 07

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 February 4, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51019 Work Order (WO) 02-016531-001
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 001, Main Steam (MS) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
MDH-5A (2")	TVA	N/A	N/A	New ID will be 1-47B400-214	2005	Removed	No
MDH-6 (3")	TVA	N/A	N/A	New ID will be 1-47B400-219	2005	Removed	No
MDH-7 (3")	TVA	N/A	N/A	New ID will be 1-47B400-213	2005	Removed	No
MSS-7 (3")	TVA	N/A	N/A	New ID will be 1-47B400-216	2005	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014857-010 (-213 & -214) and 02-014857-011 (-216 & -219)
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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date February 4, 20 06

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, Connecticut have inspected the components described in this Owner's Report during the period 12/30/02 to 2/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

B. Earnigh
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 2/15 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date July 31, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
- Authorization No. N/A
Expiration Date N/A
4. Identification of System System 001, Main Steam (MS) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B401-60 (10")	TVA	N/A	N/A	None	N/A	Removed	No

7. Description of Work Removal of supports to allow for drywell steel removal. See Remarks section for re-installation Work Order.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014851-009.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 1, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-17-03 to 08-01-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lewis
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 01 AUGUST 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date November 20, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51019 Work Order (WO) 02-016531-003
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 (MS) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B400-71 (26")	TVA	N/A	N/A	MS-1-HD3	2006	Removed	No

7. Description of Work Removal only of support to allow for drywell steel removal. See Remarks section for re-installation Work Order.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation is in WO# 02-014857-001.

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 Charles Dindul, ISI Program Engineer
Owner or Owner's Designee, Title

Date NOVEMBER 21, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-17-03 to 11-27-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold Smith
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 11-27 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date November 28, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51020 Work Order (WO) 02-016531-004
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 010, Boiler Drains and Vents (BDV) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B401-7 (10")	TVA	N/A	N/A	N/A	2003	Removed	No
1-47B401-14 (10")	TVA	N/A	N/A	N/A	2003	Removed	No
1-47B401-18 (10")	TVA	N/A	N/A	N/A	2003	Removed	No

7. Description of Work Removal only of support to allow for drywell steel removal. See Remarks section for re-installation Work Order.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation is in WO# 02-014851-001 (1-47B401-7), WO# 02-014851-002 (1-47B401-14), and

Applicable Manufacturer's Data Reports to be attached

WO# 02-014851-003 (1-47B401-18).

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

John T. Lewis

ISI Program Engineer

Owner or Owner's Designee, Title

Date

Nov. 28

, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-22-03 to 11-28-06 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold Smith

Inspector's Signature

Commissions

AL 46

National Board, State, Province, and Endorsements

Date

11-28

, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date February 15, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN 51019 Work Order (WO) 02-016531-005
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 (MS) and System 010, BDV System / ASME Code Class 1 and 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(Supports) Design Criteria BFN-50-C-7107
 (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-1-SSD12 (SSD-1) (26" Class 1 - Main Steam)	TVA	N/A	N/A	New ID will be 1-47B400-101	2006	Removed	No
MS-1-SSD12 (SSD-2) 26" Class 1 - Main Steam)	TVA	N/A	N/A	New ID will be 1-47B400-102	2006	Removed	No
MSS-3 (10" Class 2 - BDV)	TVA	N/A	N/A	New ID will be 1-47B401-59	2006	Removed	No
MSS-6 (10" Class 2 - BDV)	TVA	N/A	N/A	New ID will be 1-47B401-73	2006	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014857-006 (-101 & -102), 02-014851-008 (-59), and 02-014851-009 (-73).
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 Eben Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 2/15, 20 06

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/30/03 to 2/16/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 2/16, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date February 15, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 001, Main Steam (MS) and System 010, BDV System / ASME Code Class 1 and 2 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B400-103 (New ID)	TVA	N/A	N/A	MS-1-SSC4 (old ID) (26" Class 1 - Main Steam)	2006	Removed	No
1-47B400-104 (New ID)	TVA	N/A	N/A	MS-1-SSC5 (old ID) (26" Class 1 - Main Steam)	2006	Removed	No
1-47B401-27	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-28	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-30	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-32	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-33	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-35	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-43	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-44	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-45	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-46	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014857-006 (-103 & -104), 02-014851-004 (-27 & -28),
02-014851-005 (-30, -32, -33, & -35), 02-014851-006 (-43 & -44), and 02-014851-007 (-45 & -46).

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 *Elmer Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 2/15, 20 06

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2/6/03 to 2/18/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 2/18, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date April 22, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN 51019 Work Order (WO) 02-016531-007
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 (MS) and System 010, BDV System / ASME Code Class 1 and 2 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
1-47B400-90 (Strut only)	TVA	N/A	N/A	(26" Class 1 - MS)	2006	Removed (Partial)	No
1-47B401-8	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-9	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No
1-47B401-22	TVA	N/A	N/A	(10" Class 2 - BDV)	2006	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation is in WO# 02-014851-001 (-8), 02-014851-002 (-9), and 02-014851-004 (-22 and -90).
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 Chas Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/22, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02-12-03 to 05-01-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Rich
Inspector's Signature

Commissions

A1 46
National Board, State, Province, and Endorsements

Date 05-01 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date November 20, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN 51019 Work Order (WO) 02-016531-008
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 010, BDV System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B401-37 (10")	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B401-63 (10")	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B401-47 (10")	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B401-31 (10")	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B401-74 (10")	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation is in WO# 02-014851-005 (-37 and -31), 02-014851-007 (-47), and

Applicable Manufacturer's Data Reports to be attached

02-014851-009 (-63 and -74).

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date Nov. 20, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-12-2003 to 11-27-2006, 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.

Curtis R. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 11-27- 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date December 5, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN 51019 Work Order (WO) 02-016531-009
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 (MS) System / ASME Code Class 1 & 2 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1 0 19 67" Edition, N/A Addenda, N/A Code Case N/A
 (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)
H-1 (class 2)	TVA	N/A	N/A	New ID will be 1-47B401-55	2005	Removed	No
MSS-1 (class 2)	TVA	N/A	N/A	New ID will be 1-47B401-54	2005	Removed	No
SSA-1 (class 1)	TVA	N/A	N/A	New ID will be 1-47B400-88	2005	Removed	No
SSA-2 (class 1)	TVA	N/A	N/A	New ID will be 1-47B400-89	2005	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014851-008 (-54 & -55) and 02-014857-004 (-88 & -89)
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 John T. Lewis SI Program Engineer
Owner or Owner's Designee, Title

Date February 3, 20 06

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 GEORGIA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02/25/03 to 02/07/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. 06
Inspector's Signature

Commissions

GA551
National Board, State, Province, and Endorsements

Date 02/07 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date January 30, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51019 Work Order (WO) 02-016531-010
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 010, Boiler Drains and Vents (BDV) / ASME Code Class 2 equivalent
System 001, Main Steam (MS) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
HA-4 (MS Class 1)	TVA	N/A	N/A	New ID will be 1-47B400-85	2007	Removed	No
RSSB-1 (BDV Class 2)	TVA	N/A	N/A	N/A	2007	Removed	No
RSSB-2 (BDV Class 2)	TVA	N/A	N/A	N/A	2007	Removed	No
RVVH-21 (BDV Class 2)	TVA	N/A	N/A	New ID will be 1-47B401-25	2007	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal. See Remarks.

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 Purchase Contracts and applicable Design Criteria

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation will be performed in WO# 02-014857-003 (support -85) & WO# 02-014851-004 (support -25).
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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 1/30, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02-25-2003 to 01-31-2007, 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.

Hansel E. Hill
Inspector's Signature

Commissions

Hill 0723-07
AL 46 AL101038L
National Board, State, Province, and Endorsements

Date 01-31 20 07

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 February 14, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51019 Work Order (WO) 02-016531-012
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 (MS) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B401-53	TVA	N/A	N/A	None	2005	Removed	No

7. Description of Work Removal of spring can support to allow for drywell steel modification. See Remarks.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Support modification/re-installation is in WO# 02-014851-008 per DCN 51065.
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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date February 14, 20 06

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/2/03 to 2/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 2/13/ 20 06

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></p>	<p>Date <u>November 28, 2006</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>Sheet <u>1</u> of <u>3</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51019</u> Work Order (WO) <u>02-016531-015</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>
<p>4. Identification of System <u>System 001 & 010, Main Steam (MS) and Boiler Drains and Vents (BDV) System /</u> <u>ASME Code Class 1 (MS) & 2 (BDV) equivalent</u> <u>(Supports) Design Criteria BFN-50-C-7107</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B401-12 (10")	TVA	N/A	N/A	(Old ID RVVH-1)	2003	Removed	No
1-47B401-16 (10")	TVA	N/A	N/A	(Old ID RVVH-2)	2003	Removed	No
1-47B401-11 (10")	TVA	N/A	N/A	(Old ID RSSC-1 & RSSC-2)	2003	Removed	No
1-47B401-13 (10")	TVA	N/A	N/A	(Old ID RSSC-3 & RSSC-4)	2003	Removed	No
1-47B401-15 (10")	TVA	N/A	N/A	(Old ID RSSD-1 & RSSD-2)	2003	Removed	No

7. Description of Work Removal only of support to allow for drywell steel removal. See Remarks section for re-installation Work Order.

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 Purchase Contracts and applicable Design Criteria.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>November 28, 2006</u> Sheet <u>2</u> of <u>3</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51019</u> <u>Work Order (WO) 02-016531-015</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 001 & 010. Main Steam (MS) and Boiler Drains and Vents (BDV) System /</u> <div style="text-align: center; font-size: small;">ASME Code Class 1 (MS) & 2 (BDV) equivalent (Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B401-17 (10")	TVA	N/A	N/A	(Old ID RSSD-3 & RSSD-4)	2003	Removed	No
1-47B400-119 (26")	TVA	N/A	N/A	(Old ID MS-1-SSB4)	2003	Removed	No
1-47B400-118 (26")	TVA	N/A	N/A	(Old ID MS-1-SSB-5)	2003	Removed	No
1-47B400-121 (26")	TVA	N/A	N/A	(Old ID MS-1-SSB6)	2003	Removed	No

FORM NIS-2 (Back)

9. Remarks Support modification / re-installation is in WO# 02-014851-002 (1-47B401-11, -12, and -13), WO# 02-014851-003
Applicable Manufacturer's Data Reports to be attached
(1-47B401-15, -16, and -17) and WO# 02-014857-008 (1-47B400-118, -119, and -121).

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date Nov. 28, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-16-07 to 11-28-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Ell
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 11-28 20 06

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

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

Date December 5, 2005

Sheet 1 of 2

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

Unit 1

DCN 51019 Work Order (WO) 02-016606-000
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, Reactor Feedwater (RFW) System / ASME Code Class 1 equivalent

(Supports) Design Criteria BFN-50-C-7107

5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A

(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)
FW-1-SSB3	TVA	N/A	N/A	New ID will be 1-47B415-44	2005	Removed	No
FW-1-H7	TVA	N/A	N/A	New ID will be 1-47B415-56	2005	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal.
The new supports will be installed later per other WOs.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Chen Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 12/5, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-30-02 to 12-07-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Georg Deaton
Inspector's Signature

Commissions

TN 3178

National Board, State, Province, and Endorsements

Date 12/07, 20 05

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 September 8, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51019 Work Order (WO) 02-016606-002
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 003, Reactor Feedwater (RFW) System / ASME Code Class 1 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
FW-1-SSB3	TVA	N/A	N/A	1-47B415-53	2005	Removed	No
FW-1-SSB4	TVA	N/A	N/A	1-47B415-54	2005	Removed	No
FW-1-SSB6	TVA	N/A	N/A	1-47B415-64	2005	Removed	No
FW-1-SSB7	TVA	N/A	N/A	1-47B415-48	2005	Removed	No
FW-1-H9	TVA	N/A	N/A	1-47B415-61	2005	Removed	No

7. Description of Work Removal only of snubbers and spring support to allow for drywell steel removal.
The new supports will later be installed per other WOs.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ellen Burman ISI Program Engineer
Owner or Owner's Designee, Title

Date 9/8, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/28/03 to 9/9/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon Abitall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date Sept. 9 20 05

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>November 30, 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51019</u> Work Order (WO) <u>02-016606-003</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 003, Reactor Feedwater (RFW) System / ASME Code Class 1 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0 19 67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
FW-1-SSA3	TVA	N/A	N/A	New ID 1-47B415-21	2005	Removed	No
FW-1-SSA4	TVA	N/A	N/A	New ID 1-47B415-22	2005	Removed	No

7. Description of Work Removal only of snubbers to allow for drywell steel removal.
The new supports will be installed later per other WOs.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 *John T. Brown* ISI Program Engineer
Owner or Owner's Designee, Title

Date 11/30, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 2-25-2003 to 12-7-2005, 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.

Curtis R. Dale
Inspector's Signature

Commissions

45-1076

National Board, State, Province, and Endorsements

Date 12/7/05 20 05

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 March 9, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51019 Work Order (WO) 02-016606-004
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 003, Reactor Feedwater (RFW) System / ASME Code Class 1 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
FW-1-SSA8	TVA	N/A	N/A	New ID 1-47B415-26	2006	Removed	No
FW-1-SSA9	TVA	N/A	N/A	New ID 1-47B415-27	2006	Removed	No
FW-1-H1	TVA	N/A	N/A	New ID 1-47B415-41	2006	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal.
The new supports will be installed later per other WOs.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 3/9, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02/24/03 to 03/10/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold G. Hill
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 03/10 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <div style="text-align: center;"><small>Address</small></div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>March 7, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51019</u> Work Order (WO) <u>02-016606-005</u> <div style="text-align: center;"><small>Repair/Replacement Organization P O No. Job No., etc.</small></div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	
4. Identification of System <u>System 003, Reactor Feedwater (RFW) System / ASME Code Class 1 equivalent</u> <div style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95</u> Edition, <u>1996</u> 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)
FW-1-H3	TVA	N/A	N/A	New ID 1-47B415-37	2006	Removed	No
FW-1-SSA7	TVA	N/A	N/A	New ID 1-47B415-25	2006	Removed	No

7. Description of Work Removal only of supports to allow for drywell steel removal.
The new supports will be installed later per other WOs.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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

Elio P. Pina

IST Program Engineer

Date

3/7

, 20

06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-27-2003 to 3-7-2006, 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.

Curtis R. Pina

Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

3-7

20

06

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

1. Owner Tennessee Valley Authority (TVA) Date November 29, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51019 Work Order (WO) 02-016621-000
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B456-635	TVA	N/A	N/A	N/A	2005	Removed	No
1-47B456-629	TVA	N/A	N/A	N/A	2005	Removed	No
1-47B456-630	TVA	N/A	N/A	N/A	2005	Removed	No

7. Description of Work Removal of 3" RCIC supports to facilitate drywell steel removal.
The supports will be installed/modified in WO#02-012013-001
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Supports will be re-installed/modified in WO#02-012013-001.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date November 29, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-30-03 to 12-6-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deaton
Inspector's Signature

Commissions

TN 256

National Board, State, Province, and Endorsements

Date 12-6 20 05

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 April 14, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 068, Reactor Water Recirculation (RWR) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
H-1A (R-1-H10) Beam Attachment	TVA	N/A	N/A	1-47B465-455	2005	Removed	No

7. Description of Work Removal only of support beam attachment to building steel.
(Other support items were removed by WO 02-002075-001. The new support will later be installed per WO 02-012011-003.)
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Elmer Bar... ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/14, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-12-2003 to 4-14-2005, 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.

Curtis A. Poole
Inspector's Signature

Commissions

45-1076

National Board, State, Province, and Endorsements

Date 4-14, 20 05

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 January 17, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51200 - 02 Work Order (WO) 03-000638-002
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 075, Core Spray / 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)
1-CKV-075-0606	Flowserve Model 80AYT	90AYP	N/A	Check valve	2004	Installed	No
1-CKV-075-0607	Flowserve Model 80AYT	89AYP	N/A	Check valve	2004	Installed	No
1-SHV-075-0650	Flowserve Class 800	45AYH	N/A	Gate valve	2004	Installed	No
Piping (2")	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Replaced valves and installed new valves and piping in 2" Core Spray line.
**Code Case N-416-2 utilized.

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

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

*as amended by additional quality assurance requirements found in Contract 68C37-90744 and Design Criteria BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed in procedure 1-SI-3.3.6 per WO 04-713487-000.

Applicable Manufacturer's Data Reports to be attached

LLRT was performed per 1-SI-4.7.A.2.g-3/75.

IST / PMT valve testing was performed per procedures 1-SI-3.2.3 and 1-SI-3.2.31.

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 *Chen Bana*, ISI Program Engineer
Owner or Owner's Designee, Title

Date *June 21*, 20 *02*

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-12-2000 to 7-3-2001, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province and Endorsements

Date *7-3*, 20 *01*

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></p>	<p>Date <u>June 9, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p><u>DCN 51200 - 02</u> <u>Work Order (WO) 03-000638-003</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>
<p>4. Identification of System <u>System 075, Core Spray / ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
1-SHV-075-0083 (3")	Unknown	Unknown	N/A	N/A	1974	Removed old	No
1-SHV-075-0083 (3")	Flowserve / Borg-Warner	51694	N/A	N/A	2006	Installed new	No
1-FCV-075-0009 (3")	Unknown	Unknown	N/A	N/A	1974	Removed old	No
1-FCV-075-0009 (3")	Flowserve	AW-200	N/A	N/A	2006	Installed new	No
Piping (2-1/2" and 3")	Unknown	N/A	N/A	N/A	1974	Removed old	No
Piping (2-1/2" and 3")	Consolidated Power Supply	N/A	N/A	N/A	2006	Installed new	No

7. Description of Work Install piping and valves.
**Code Case N-416-3 utilized.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.6 in WO 04-713487-000.

Applicable Manufacturer's Data Reports to be attached
Appendix J LLRT was performed by procedure 1-SI-4.7.A.2.g-3/75.

Valve testing was performed per procedures 1-SR-3.3.3-1.4(I/I) and 1-SR-3.6.1.3.5(CS I).

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 21, 20 07

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 Mississippi and employed by HSB CT of
Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 1-22-2004 to 7-2-2007, 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.

Curtis R. Doe
Inspector's Signature

Commissions MS-1076
National Board State, Province and Endorsements

Date 7-2 20 07

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 April 10, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51200 - 03 Work Order (WO) 03-000638-007
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 075, Core Spray / 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)
Piping (12" and 2")	TVA / Shaw	N/A	N/A	N/A	2005	Installed	No
1-CKV-075-0609	Flowserve	87AYP	N/A	N/A	2005	Installed	No
1-CKV-075-0610	Flowserve	88AYP	N/A	N/A	2005	Installed	No
1-SHV-075-0649	Flowserve	27AYJ	N/A	N/A	2005	Installed	No

7. Description of Work Install piping and valves.
**Code Case N-416-3 utilized.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.6 in WO 04-713487-000.

Applicable Manufacturer's Data Reports to be attached

Appendix J LLRT was performed by procedure 1-SI-4.7.A.2.g-3/75.

Valve testing was performed by procedures 1-SI-3.2.3 and 1-SI-3.2.31.

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 Chen Burns ISI Program Engineer

Date June 21, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-18-2004 to 7-2-2007, 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.

Curtis A. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province and Endorsements

Date 7-2 20 07

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 March 10, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51200 - 04 Work Order (WO) 03-000638-011
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 075, Core Spray / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Valves) ASME Section III, 1974 Edition, Summer 1975 Addenda
(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)
1-SHV-075-0523A	N/A	N/A	N/A	N/A	N/A	Removed	No
1-SHV-075-0523B	N/A	N/A	N/A	N/A	N/A	Removed	No
2- 1/2" piping	N/A	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removal only of valves and piping in 2-1/2" Core Spray line.

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 68C37-90744 and Design Criteria BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks

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 Eke Burns ISI Program Engineer
Owner or Owner's Designee Title

Date 3/10, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 3-8-2004 to 3-10-2005, 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.

Curtis A. Pade
Inspector's Signature

Commissions

MS-1076

National Board State Province, and Endorsements

Date 3-10, 20 05

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>July 5, 2007</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p><u>DCN 51200 - 03</u> <u>Work Order (WO) 03-000638-013</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>
<p>4. Identification of System <u>System 075, Core Spray / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;">(Valves) ASME Section III, 1995 Edition, 1996 Addenda</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95</u> Edition, 1996 Addenda**</p>	

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)
1-FCV-075-0037 (3")	Flowserve	AW-201	N/A	N/A	2004	Installed	No
Pipe Cap (2-1/2")	Colonial Machine	HT# 8860857	N/A	N/A	2003	Installed	No

7. Description of Work Installed 3" diameter valve and 2-1/2" diameter pipe cap in Core Spray System.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.6. **Code Case N-416-3 utilized.

Valve testing performed by 1-SR-3.6.1.3.5(CS II) and 1-SR-3.3.3.1.4(I/2).

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 Charles Dushell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 11, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-26-04 to 07-11-07, 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.

Hansel E. Ehl
Inspector's Signature

Commissions

AL016384

National Board State, Province and Endorsements

Date 07-11 20 07

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 July 4, 2007
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN # 51200 - 02 Work Order (WO) 03-000638-022
Repair/Replacement Organization P.O. No. Job No. etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Authorization No. N/A
Expiration Date N/A
4. Identification of System System 075, Core Spray (CS) / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case **N/A
(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)
16" diameter pipe	US Steel	HT# B65583	N/A	N/A	2003	Installed	No

7. Description of Work Installed 16" piping in place of valve in Core Spray System (075) per DCN 51200-02.
(The 16" valve 1-SHV-75-0001 had previously been removed from the system per WO 03-004052-000.)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test performed by 1-SI-3.3.6. Code Case N-416-3 utilized.

Applicable Manufacturer's Data Reports to be attached

Containment Integrated Leak Rate Test (CILRT) performed by 1-SI-4.7.A.2.A-F.

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 11, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 2-16-2004 to 7-11-2007, 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.

Curtis A. Dode
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-11, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>July 5, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51200 - 03</u> Work Order (WO) <u>03-000638-023</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No., Job No., etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 075, Core Spray (CS) / ASME Code Class 2 equivalent</u>	
5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>**N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
16" diameter pipe	US Steel	HT# B65583	N/A	N/A	2003	Installed	No

7. Description of Work Installed 16" piping in Core Spray System (075) per DCN 51200-03.
(The 16" valve 1-SHV-75-0029 had previously been removed from the system per WO 03-004054-000.)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test performed by 1-SI-3.3.6. **Code Case N-416-3 utilized.

Applicable Manufacturer's Data Reports to be attached

Containment Integrated Leak Rate Test (CILRT) performed by 1-SI-4.7.A.2.A-F.

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 Charles Iriskoff, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 11, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 2-18-2004 to 7-11-2007, 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.

Curtis A. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-11, 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>July 5, 2007</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51200</u> Work Order (WO) <u>03-000638-026</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>
<p>4. Identification of System <u>System 075, Core Spray / ASME Code Class 1 and 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95</u> Edition, 1996 Addenda</p>	

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)
Bonnet bolting (3/4") for 1-FCV-075-0022 (Class 2)	Nova	HT# S67159 (nuts) HT# 230940 (studs)	N/A	N/A	2005 2004	Installed	No
Valve stem locknut to disc weld CS-1-WO03000638026-001-COR0 for 1-FCV-075-0022 (Class 2)	TVA	N/A	N/A	N/A	2005	Installed	No
Disc for 1-FCV-075-0025 (Class 1)	Walworth	101318	N/A	N/A	1974	Corrected	No

7. Description of Work Tack welded valve stem locknut to valve disc for valve 1-FCV-075-0022.
Installed new bonnet bolting (3/4" diameter) on valve 1-FCV-075-0022.
Drilled hole in downstream side of disc of valve 1-FCV-075-0025 to prevent pressure locking.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °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 68C37-90744 and Design Criteria BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Pressure test performed by 1-SI-3.3.6 (1-FCV-075-0022 and 1-FCV-075-0025) and 1-SI-3.3.1.A (1-FCV-075-0025).
Applicable Manufacturer's Data Reports to be attached
Code Case N-416-3 utilized. Appendix J LLRT performed on valve 1-FCV-075-0025 by 1-SI-4.7.A 2a-3/75. Valve testing performed by
1-SR-3.6.1.3.5(CS I) and 1-SR-3.3.3.1.4(I/I) for 1-FCV-075-0025. Valve testing performed by 1-SR-3.5.1.6(CS I-COMP) and 1-SR-3.3.3.1.4(I/I)
for 1-FCV-075-0022.

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 11, 20 07

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 ALABAMA and employed by HSB CT of
Hartford, Connecticut have inspected the components described
in this Owner's Report during the period 12-27-04 to 07-12-07, 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.

Harold E. [Signature]
Inspector's Signature

Commissions

AL1016384
National Board, State, Province, and Endorsements

Date 07-12 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>July 5, 2007</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51200</u> Work Order (WO) <u>03-000638-027</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>
<p>4. Identification of System <u>System 075, Core Spray / ASME Code Class 1 and 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
Bonnet bolting (3/4") for 1-FCV-075-0050 (Class 2)	Nova	HT# S52752 (nuts) HT# 8992181 (studs)	N/A	N/A	2003 2004	Installed	No
Valve stem locknut to disc weld CS-1-WO03000638027-001-COR0 for 1-FCV-075-0050 (Class 2)	TVA	N/A	N/A	N/A	2005	Installed	No
Disc for 1-FCV-075-0053 (Class 1)	Walworth	101488	N/A	N/A	1974	Corrected	No

7. Description of Work Tack welded valve stem locknut to valve disc for valve 1-FCV-075-0050.
Installed new bonnet bolting (3/4" diameter) on valve 1-FCV-075-0050.
Drilled hole in downstream side of disc of valve 1-FCV-075-0053 to prevent pressure locking.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☒ Pressure _____ psi Test Temp. _____ °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 68C37-90744 and Design Criteria BFN-50-C-7105.

FORM NIS-2 (Back)

9. Remarks Pressure test performed by 1-SI-3.3.6 (1-FCV-075-0050 and 1-FCV-075-0053) and 1-SI-3.3.1.A (1-FCV-075-0053).

Applicable Manufacturer's Data Reports to be attached

Code Case N-416-3 utilized. Appendix J LLRT performed on valve 1-FCV-075-0053 by 1-SI-4.7.A 2a-3/75. Valve testing performed by
1-SR-3.6.1.3.5(CS II) and 1-SR-3.3.3.1.4(I/2) for 1-FCV-075-0053. Valve testing performed by 1-SR-3.5.1.6(CS II-COMP) and
1-SR-3.3.3.1.4(I/2) for 1-FCV-075-0050.

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 Charles Oriskany, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 12, 20 07

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 ALABAMA and employed by HSB CT of
Hartford, Connecticut have inspected the components described
in this Owner's Report during the period 12-14-04 to 07-12-07, 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.

Harold C. Hill
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 07-12 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></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>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>4. Identification of System <u>System 077. Radwaste System / ASME Code Class 2 equivalent</u></p> <p>5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	<p>Date <u>June 22, 2006</u></p> <p>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51202 - 01</u> Work Order (WO) <u>03-000996-017</u> <small>Repair/Replacement Organization P.O. No., Job No., etc.</small></p> <p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No. <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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)
1-FCV-77-0015A (3")	Velan	6288	N/A	Drywell Floor Drain Sump Inboard Isolation Valve	2006	Removed old	No
1-FCV-77-0015B (3")	Velan	6576	N/A	Drywell Floor Drain Sump Outboard Isolation Valve	2006	Removed old	No
1-FCV-77-0015A (3")	Worcester Controls	AW-276	N/A	Drywell Floor Drain Sump Inboard Isolation Valve	2006	Installed new	No
1-FCV-77-0015B (3")	Worcester Controls	AW-277	N/A	Drywell Floor Drain Sump Outboard Isolation Valve	2006	Installed new	No
Piping (3")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No

7. Description of Work Removed old valves and piping and installed new valves and piping.
**Code Case N-416-3 utilized.
See Remarks for Pressure Testing and Leak Testing details

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per 0-TI-364 Appendix F in WO# 06-719524-000.

Applicable Manufacturer's Data Reports to be attached

Leak testing was performed per 1-SI-4.7.A.2.g-3/77 (LLRT) in accordance with 10CFR50 Appendix J requirements.

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 5/17, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 10-10-2004 to 5-18-2007, 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.

Curtis A. Doole
Inspector's Signature

Commissions

MS-1076
National Board, State, Province, and Endorsements

Date 5-18 20 07

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 30, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51202</u> Work Order (WO) <u>03-000996-019</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>
<p>4. Identification of System <u>System 077, Radwaste System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B482-16 (3")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install pipe support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis ISI Program Engineer
Owner or Owner's Designee, Title

Date June 13, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-28-04 to 6-16-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Ell
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 6-16 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>June 22, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51202 - 02</u> Work Order (WO) <u>03-000996-020</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>
<p>4. Identification of System <u>System 077, Radwaste System / ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
1-FCV-77-0002A (3")	Velan	N/A	N/A	Drywell Floor Drain Sump Inboard Isolation Valve	2006	Removed old	No
1-FCV-77-0002B (3")	Velan	N/A	N/A	Drywell Floor Drain Sump Outboard Isolation Valve	2006	Removed old	No
1-FCV-77-0002A (3")	Worcester Controls	AW-274	N/A	Drywell Floor Drain Sump Inboard Isolation Valve	2006	Installed new	No
1-FCV-77-0002B (3")	Worcester Controls	AW-275	N/A	Drywell Floor Drain Sump Outboard Isolation Valve	2006	Installed new	No
Piping (3")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No

7. Description of Work Removed old valves and piping and installed new valves and piping.
**Code Case N-416-3 utilized.
See Remarks for Pressure Testing and Leak Testing.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per 0-TI-364 Appendix F in WO# 06-719524-000.

Applicable Manufacturer's Data Reports to be attached

Leak testing was performed per 1-SI-4.7.A.2.g-3/77 (LLRT) in accordance with 10CFR50 Appendix J requirements.

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 *Elmer Burns*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 5/17, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 10-10-2004 to 5-18-2007, 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.

Curtis E. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-18, 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>August 18, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51245 - 03</u> Work Order (WO) <u>03-001184-003</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>
<p>4. Identification of System <u>System 064, Primary Containment (PCI) System / ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
Piping (3" Standpipe)	TVA	N/A	N/A	New Welds PCI-1-008-001 PCI-1-008-041 PCI-1-008-042	2006	Removed old Installed new	No

7. Description of Work Remove old piping and install new piping.
**Code Case N-416-3 utilized.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☒ See Remarks Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per 10CFR50 Appendix J Integrated Leak Rate Test (ILRT) per 1-SI-4.7.A.2.A-F

Applicable Manufacturer's Data Reports to be attached

in WO 04-715898-000.

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 *Ethan Burns*, ISI Program Engineer

Owner or Owner's Designee, Title

Date 6/20, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 06-16-04 to 06-30-07, 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.

Harold E. Ellis
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province, and Endorsements

Date 0630 20 07

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 July 6, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN 51245 - 03 Work Order (WO) 03-001184-004
Repair/Replacement Organization P.O. No. Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Authorization No. N/A
Expiration Date N/A
4. Identification of System System 064, Primary Containment (PCI) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
Piping (3")	TVA	N/A	N/A	New Welds PCI-1-008-047 PCI-1-008-068	2006	Removed old Installed new	No

7. Description of Work Remove old piping and install new piping.
**Code Case N-416-3 utilized.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per 10CFR50 Appendix J Integrated Leak Rate Test (ILRT) per 1-SI-4.7.A.2.A-F
Applicable Manufacturer's Data Reports to be attached

in WO 04-715898-000.

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 *Ethan Berna* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/20, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 02-21-06 to 06-29-07, 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.

Harold E. Hill
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 06-29 20 07

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, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN 51245 - 03 Work Order (WO) 03-001184-005 Address
Repair/Replacement Organization P O No. Job No., etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Authorization No. N/A Address
Expiration Date N/A
4. Identification of System System 064, Primary Containment (PCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B600-5527 (3")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B600-5528 (3")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install pipe supports.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 John T. Lewis SI Program Engineer
Owner or Owner's Designee, Title

Date June 3, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 4-10-2006 to 6-3-2006, 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.

Curtis A. Pool
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 6-3, 20 06

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>June 27, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51245 - 03</u> Work Order (WO) <u>03-001184-006</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>
<p>4. Identification of System <u>System 064, Primary Containment (PCI) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0 19 67 Edition*, N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 95 Edition, 1996 Addenda</u></p>	

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)
1-47B600-5529 (3")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B600-5530 (3")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Fabricate and install pipe supports on Torus standpipe (for level indication).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/27, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 04-10-06 to 06-28-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Ell
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 06-28 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date July 4, 2007
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
 Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN # 51196 - 02 Work Order (WO) 03-001991-002 Repair/Replacement Organization P.O. No., Job No., etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 1 and 2 equivalent
5. (a) Applicable Construction Code (Valves) ASME Section III, 1995, Addenda 1996
(Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-FCV-071-0040	Rockwell	N/A	N/A	N/A	N/A	Removed	No
1-FCV-071-0040 RCIC Testable Check Valve, Class 1, 6" Pressure Seal	Atwood & Morrill	3-15184-02	N/A	Model NP-831654E	2005	Installed	No
Class 2 Pipe (6" Sch 120)	Consolidated Power Supply	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replace Class 1 valve and Class 2 pipe, both 6" diameter.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure Test performed by procedure 1-SI-3.3.1.A. **Code Case N-416-3 utilized.

Applicable Manufacturer's Data Reports to be attached

Valve testing performed by 1-SR-3.6.1.3.5(SD) and 1-SI-4.7.A.2.G-3/3.

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 Charles Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 4, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 12-07-04 to 07-04-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province, and Endorsements

Date 07-04 20 07

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 October 18, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51196 - 02 Work Order (WO) 03-001991-004
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Valves & Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-FCV-071-0008 (4" valve)	Walworth	L615012	N/A	N/A	1974	Remove / Install	No

7. Description of Work Remove and re-install tack weld between stem and disc to allow valve refurbishment.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure psi Test Temp. °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure Testing performed by procedure 1-SI-3.3.10 in WO 04-713496-000.

Applicable Manufacturer's Data Reports to be attached

Valve testing performed by procedures 1-SR-3.6.1.3.5(RCIC) and 1-SR-3.3.3.1.4(F)

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 27, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 10-11-2005 to 7-5-2007, 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.

Curtis A. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-5, 20 07

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 September 10, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51196 Work Order (WO) 03-001991-011
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A**
(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)
BFR-1-ISV-012-0742	TVA	N/A	N/A	N/A	2004	Removed	No
2" Pipe and Pipe Cap	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Remove valve, and cut and cap 2" pipe.
**Code Case N-416-2 utilized.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure Testing was performed by 1-SI-3.3.10 in WO 04-713496-000.

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date June 27, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 6-29-2004 to 7-5-2007, 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.

Dustin A. Rabe
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-5, 20 07

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 July 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51196 / Work Order (WO) 03-001991-013
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A**
 (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)
3" gate valve 1-FCV-071-0059	Velan Weir	Unknown 1-52082-A	N/A N/A	N/A N/A	1974 2005	Removed old Installed new	No No
2" gate valve 1-SHV-071-0520	Flowserve	79AZJ	N/A	1-SHV-071-0520	2004	Installed	No
2" gate valve 1-SHV-071-0612	Flowserve	99BDZ	N/A	1-SHV-071-0612	2005	Installed	No
3" RCIC piping welds RCIC-1-011-001, 002, 009	TVA	None	N/A	N/A	2006	Installed	No
2" RCIC piping welds RCIC-1-011-003 through 008	TVA	None	N/A	N/A	2006	Installed	No

7. Description of Work Installed new valves 1-SHV-071-0520, -0612, relocated 1-PRO-071-0551, and replaced valve 1-FCV-071-0059.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing for ASME Section XI performed by 1-SI-3.3.10. **Code Case N-416-3 utilized.
Applicable Manufacturer's Data Reports to be attached
10 CFR 50 Appendix J leakage testing for Primary Containment pressure boundary performed by 1-SI-4.7.A.2.G-2/PB and 1-SI-4.7.A.2.g-3/71.

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 Charles Quirkell, ISI Program Engineer Date JULY 19, 20 07
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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 2-9-2006 to 7-19-2007, 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.

Curtis R. Fode Commissions MS-1076
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-19 20 07

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 July 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51196 / Work Order (WO) 03-001991-014
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A**
 (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)
1-CKV-071-0580 (10")	Velan	Unknown	N/A	N/A	1974	Removed old	No
1-CKV-071-0580 (10")	Flowserve	AY-704	N/A	N/A	2005	Installed new	No

7. Description of Work Replaced valve 1-CKV-071-0580.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing for ASME Section XI performed by 1-SI-3.3.10. **Code Case N-416-3 utilized.
Applicable Manufacturer's Data Reports to be attached
10 CFR 50 Appendix J seat leakage test performed by 1-SI-4.7.A.2.G-3/71. Valve flow test performed by 1-SR-3.5.3.3(COMP).

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 Charles J. Ishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 12, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-10-2006 to 7-19-2007, 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.

Curtis A. [Signature]
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-19, 20 07

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 July 12, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-001991-019
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A**
(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)
Weld RCIC-1-004-001	TVA	N/A	N/A	N/A	2004	Installed	No
Weld RCIC-1-004-002	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Installed 6" diameter spool piece for RCIC pump suction piping.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing for ASME Section XI performed by 1-SI-3.3.10. **Code Case N-416-3 utilized.

Applicable Manufacturer's Data Reports to be attached

10 CFR 50 Appendix J Primary Containment pressure boundary leak test performed by 1-SI-4.7.A.2.A-F.

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

Charles Irishell

ISI Program Engineer

Date

JULY 12

, 20

07

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 Mississippi and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 2-11-2007 to 7-19-2007, 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.

Curtis A. Dade
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

7-19

, 20

07

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 July 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51196 - 02 Work Order (WO) 03-001991-028
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 071, Reactor Core Isolation Cooling (RCIC) 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 N/A
 (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)
Stem to disc nuttack weld RCIC-1-005-005	TVA	N/A	N/A	N/A	2005	Removed old Installed new	No

7. Description of Work Tack welded disc nut to stem for 1-FCV-071-0038.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Valve testing performed by 1-SR-3.6.1.3.5(RCIC) and 1-SR-3.3.3.1.4(F).

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 Charles Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 12, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-17-2005 to 7-19-2007, 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.

Curtis A. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-19 20 07

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 July 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51196 - 02 Work Order (WO) 03-001991-032
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 1 and 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
1-FCV-071-0003 (3" Class 1)	Walworth	Unknown	N/A	N/A	1974	Removed	No
1-FCV-071-0003 (3" Class 1)	Flowserve	AZ-364	N/A	N/A	2005	Installed	No
Class 1 pipe (3") welds RCIC-1-006-010 and 011	TVA	N/A	N/A	N/A	2006	Installed	No
Class 2 pipe (3") welds RCIC-1-006-003 through 009 and -026	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Replaced valve 1-FCV-071-0003 and associated 3" Class 1 and Class 2 pipe.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing for ASME Section XI performed by 1-SI-3.3.10 (Class 2) and 1-SI-3.3.1.A (Class 1). **Code Case N-416-3
Applicable Manufacturer's Data Reports to be attached
utilized. 10 CFR 50 Appendix J seat leakage test performed by 1-SI-4.7.A.2.G-3/71. Valve testing performed by 1-SR-3.6.1.3.5(RCIC) and
1-SR-3.3.3.1.4(F).

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 19, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-28-2004 to 8-1-2007, 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.

Curtis A. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 8-1, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>January 17, 2007</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51196 - 02</u> <u>Work Order (WO) 03-001991-040</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
RCIC-8 (4")	TVA	N/A	N/A	N/A	2007	Removed	No

7. Description of Work Removal only of support. No work performed on the integral attachments.

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 Purchase Contracts and applicable Design Criteria.

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 [Signature] ISI Program Engineer
Owner or Owner's Designee, Title

Date 1/17 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-15-07 to 01-17-07 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

07-23-03
AL 46 AL101638L
National Board, State, Province, and Endorsements

Date 01-17 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 30, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51019 Work Order (WO) 03-003744-000
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 074, Residual Heat Removal (RHR) 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 N/A
(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)
1-47B452-3038	TVA	N/A	N/A	RHR-1-H7	2006	Removed	No
1-47B452-3040	TVA	N/A	N/A	RHR-1-R24	2006	Removed	No

7. Description of Work Removal only of support beam attachments from the drywell building steel.
Supports were removed from the system previously in WO 02-002072-007 (3038) & WO 02-002072-008 (3040).
New supports will be installed per WO 02-012011-007 (3038) and WO 02-012011-008 (3040).
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 Purchase Contracts and applicable Design Criteria.

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 Chen Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 5/22, 20 07

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 ALABAMA and employed by HSB CT of

Hartford, Connecticut have inspected the components described
in this Owner's Report during the period 03-12-03 to 05-23-07, 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.

Hance E. Bell
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 05-23 20 07

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 April 22, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System Systems 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 N/A
 (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)
RCIC Suppression Pool Valve BFR-1-HCV-074-0085	Associated Control Equipment	6906-2959-1	N/A	N/A	N/A	Removed	No
Weld # TRHR-1-228	TVA	N/A	N/A	N/A	N/A	Removed	No
Weld # TRHR-1-229	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removed valve BFR-1-HCV-074-0085 and associated welds from system.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns, ISI Program Engineer Date 4/22, 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 Georgia and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02/24/04 to 06/01/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deaton
Inspector's Signature

Commissions

GA 256

National Board, State, Province, and Endorsements

Date 6/01 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	<u>Tennessee Valley Authority (TVA)</u> Name <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> Address	Date	<u>November 4, 2004</u>
2. Plant	<u>Browns Ferry Nuclear Plant (BFN)</u> Name <u>P. O. Box 2000, Decatur, AL 35609-2000</u> Address	Sheet	<u>1</u> of <u>2</u>
3. Work Performed by	<u>TVA-BFN</u> Name <u>P. O. Box 2000, Decatur, AL 35609-2000</u> Address	Unit	<u>1</u>
		Work Order (WO)	<u>03-004037-000</u> Repair/Replacement Organization P. O. No., Job No., etc
		Type Code Symbol Stamp	<u>N/A</u>
		Authorization No.	<u>N/A</u>
		Expiration Date	<u>N/A</u>
4. Identification of System	<u>System 074, Residual Heat Removal (RHR) System, ASME Code Class 2 equivalent</u>		
5. (a)	Applicable Construction Code	<u>USAS B31.1.0</u>	19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>
(b)	Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95</u> 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)
RHR Suppression Pool Suction Isolation Valve 1-HCV-074-0088	Associated Control Equipment	6906-2959-2	N/A	N/A	2004	Removed	No

7. Description of Work: Removed 30" valve 1-HCV-074-0088 from the RHR System.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Replacement pipe will be installed in WO 03-005591-065 per DCN 51199 later.
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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 11/4, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-21-2004 to 11-5-2004, 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.

Justin A. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 11-5, 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 October 13, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address Work Order (WO) 03-004051-000
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 N/A
(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)
BFR-1-FCV-074-0035 Weld buildup on disc	Walworth	N/A	N/A	RHR Pump D Suction Isolation Valve	2004	Installed	No
BFR-1-FCV-074-0035 Bolting (studs & nuts) replacement	TVA	N/A	N/A	RHR Pump D Suction Isolation Valve	2004	Installed	No

7. Description of Work Performed weld buildup on disc and replaced bonnet studs and nuts.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.8.B in WO 04-713493-000.

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 *Ethan Burns*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-26-2004 to 7-19-2007, 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.

Curtis R. Dool
Inspector's Signature

Commissions

MS-1076
National Board, State, Province, and Endorsements

Date 7-19 20 07

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 April 20, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004052-000
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 Systems 075, Core Spray System (CS), ASME Code Class 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
(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)
CS Suppression Pool Valve BFR-1-HCV-075-0001	Associated Control Equipment	6906-2958-5	N/A	BFR-1-ISV-075-001	N/A	Removed	No
Weld # TCS-1-102	TVA	N/A	N/A	N/A	N/A	Removed	No
Weld # TCS-1-103	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removed valve BFR-1-HCV-075-0001 and associated welds from system.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Eben Burma, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/20, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-24-2004 to 4-20-2004, 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

MS-1076 N.I.
National Board, State, Province, and Endorsements

Date 4-20- 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 April 21, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004054-000
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 Systems 075, Core Spray System (CS), ASME Code Class 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
(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)
CS Suppression Pool Valve BFR-1-HCV-075-0029	Associated Control Equipment	6906-2959-4	N/A	BFR-1-ISV-075-029	N/A	Removed	No
Weld # CS-1-1	TVA	N/A	N/A	N/A	N/A	Removed	No
Weld # CS-1-2	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removed valve BFR-1-HCV-075-0029 and associated welds from system.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/21, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-24-2004 to 4-21-2004, 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.

Justin A. Pade
Inspector's Signature

Commissions

MS-1076 N.I.

National Board, State, Province, and Endorsements

Date 4-21- 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 September 13, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 03-004061-001
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 075, Core Spray (CS) 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 N/A
 (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)
Bonnet bolting on 1-FCV-075-0030	N/A	N/A	N/A	Model No 5202WE	2004	Installed	No

7. Description of Work Replaced bonnet bolting on valve 1-FCV-075-0030.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.6 in WO 04-713487-000.
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 Elen Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-14-2007 to 7-19-2007, 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.

Curtis R. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-19, 20 07

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 September 9, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004064-001
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 075, Core Spray (CS) 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 N/A
 (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)
Disc (wedge) for CS Pump D Suction Isolation Valve 1-FCV-75-039	Walworth	N/A	N/A	N/A	2004	Removed old Installed new	No
Bonnet Bolting (studs & nuts)	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Replaced disc (wedge) and bonnet bolting on valve 1-FCV-75-039.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.6 in WO 04-713487-000.
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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-19-2004 to 7-20-2004, 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.

Arthur R. Dode
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20 20 07

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 April 22, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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) 03-004065-000
Repair/Replacement Organization P.O. No. Job No., etc.
- Authorization No. N/A
Expiration Date N/A
4. Identification of System Systems 073, High Pressure Coolant Injection (HPCI), ASME Code Class 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
(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 Suppression Pool Valve BFR-1-HCV-073-0025	Associated Control Equipment	Not Available	N/A	BFR-1-SHV-073-0025	N/A	Removed	No
Weld # THPCI-1-116	TVA	N/A	N/A	N/A	N/A	Removed	No
Weld # THPCI-1-117	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removed valve BFR-1-HCV-073-0025 and associated welds from system.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Eben Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/22, 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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-26-04 to 4-24-04, 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.

George Denton
Inspector's Signature

Commissions

TN 3178

National Board, State, Province, and Endorsements

Date 4/24, 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></p>	<p>Date <u>January 31, 2005</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>Work Order (WO) <u>03-004066-000</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>
<p>4. Identification of System <u>Systems 073, HPCI System, ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67*</u> Edition. <u>N/A</u> Addenda. <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-FCV-073-0026 Disc (hard face)	Crane	N/A	N/A	N/A	2005	Installed	No
Bonnet studs and nuts	Nova Machine Products	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Added hard-surface build-up to disc. Replaced lost bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☒ See Remarks Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test was performed by procedure 1-SI-3.3.9 in WO 04-713495-000.

Applicable Manufacturer's Data Reports to be attached

LLRT was performed per procedure 1-SI-4.7.A.2.G-3/73.

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-15-2003 to 7-20-2007, 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.

Curtis E. Adair
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20, 20 07

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 July 26, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004067-000
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 Systems 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 N/A
(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)
1-FCV-073-0027 Disc (hard face)	Crane	Valve S/N CV-06005-8-06 Disc S/N C5378	N/A	Suppression Pool HPCI Outboard Suction Valve	2006	Installed	No

7. Description of Work Added hard-surface build-up to disc.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test was performed by procedure 1-SI-3.3.9 in WO 04-713495-000.

Applicable Manufacturer's Data Reports to be attached

10CFR50 Appendix J Local Leak Rate Test (LLRT) was performed per procedure 1-SI-4.7.A.2.G-3/73.

Valve testing was performed per procedures 1-SR-3.6.1.3.5(HPCI) and 1-SR-3.3.3.1.4(G).

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-16-2006 to 7-20-2007, 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.

Curtis A. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>December 20, 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> Work Order (WO) <u>03-004067-001</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>Systems 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent</u>	
5. (a) Applicable Construction Code <u>USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-FCV-073-0027	Crane	Valve S/N CV-06005-8-06	N/A	Suppression Pool HPCI Outboard Suction Valve	2006	Installed	No

7. Description of Work Replaced bonnet bolting (studs and nuts).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test was performed by procedure 1-SI-3.3.9 in WO 04-713495-000.

Applicable Manufacturer's Data Reports to be attached

Valve testing was performed by procedures 1-SR-3.6.1.3.5(HPCI), 1-SR-3.3.3.1.4(G), and 1-SI-4.7.A.2.G-3/73.

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 *Chen Burns*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-21-06 to 07-27-07, 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.

Harold E. Bell
Inspector's Signature

Commissions

AL10163 BL
National Board, State, Province, and Endorsements

Date 07-27 20 07

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 July 20, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address Work Order (WO) 03-004068-000
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 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 N/A
 (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)
1-CKV-073-0517 (nut on bonnet)	Nova Machine Products	N/A	N/A	William Powell - Model 91523	2004	Installed	No

7. Description of Work Installed nut on bonnet of 16" HPCI Check Valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ See Remarks 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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.9.

Applicable Manufacturer's Data Reports to be attached

Valve testing was performed per procedure 1-SI-3.2.3 and 1-SR-3.6.1.3.5(HPCI).

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 Charles D. Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 20, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-13-2004 to 7-20-2007, 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.

Antonio R. P. [Signature]
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20, 20 07

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 April 22, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004072-000
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 Systems 071, Reactor Core Isolation Cooling (RCIC) 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 N/A
(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)
RCIC Suppression Pool Valve BFR-1-SHV-071-0016	Associated Control Equipment	6906-2957-1	N/A	N/A	N/A	Removed	No
Weld # TRCIC-1-63	TVA	N/A	N/A	N/A	N/A	Removed	No
Weld # TRCIC-1-64	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Removed valve BFR-1-SHV-071-0016 and associated welds from system.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Eben Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/22, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-16-2003 to 4-22-2004, 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.

Curtis A. Boale
Inspector's Signature

Commissions

MS-1076 N I
National Board, State, Province, and Endorsements

Date 4-22- 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 <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>July 13, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>WO 03-004229-000</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	

4. Identification of System System 001, Main Steam System 001 (MS) / ASME Code Class 1 equiv.

S 70 with Article 9,

5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, 1965 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 w/studs and nuts	Target Rock	246-1076	N/A	BFR-1-PCV-001-0022	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet and outlet studs and nuts. Replaced spline bolts and nuts.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

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 Charles Oriskell, ISI Program Engineer

Owner or Owner's Designee, Title

Date JULY 13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 7-5-2006 to 7-20-2007, 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.

Antonia A. Ford
Inspector's Signature

Commissions

MS-1076

National Board State, Province, and Endorsements

Date 7-20, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>July 13, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>WO 03-004230-000</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	

4. Identification of System System 001, Main Steam System 001 (MS) / ASME Code Class 1 equiv.

5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, S 70 with Article 9, 1965 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 w/studs and nuts	Target Rock	1032	N/A	BFR-1-PCV-001-0023	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet and outlet studs and nuts. Replaced spline bolts and nuts.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

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 Charles Orishell, ISI Program Engineer
Owner or Owner's Designee Title

Date JULY 13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-6-2006 to 7-20-2007, 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.

Curtis R. Fike
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20 20 07

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 July 13, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address

2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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

WO 03-004232-000
Repair/Replacement Organization P.O. No. Job No. etc

Authorization No. N/A
Expiration Date N/A

4. Identification of System System 001, Main Steam System 001 (MS) / ASME Code Class 1 equiv.

5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, S 70 with Article 9, 1965 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 w/studs and nuts	Target Rock	1034	N/A	BFR-1-PCV-001-0034	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet and outlet studs and nuts. Replaced spline bolts and nuts.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

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 Charles J. Quirkell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 7-5-2006 to 7-20-2007, 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.

Arthur R. Pate
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20, 20 07

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

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <div style="text-align: center;"><small>Address</small></div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>July 13, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>WO 03-004233-000</u> <div style="text-align: center;"><small>Repair/Replacement Organization P O No Job No etc.</small></div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	

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

5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, S 70, & Art 9, 1965 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)
Studs and nuts for Main Steam Relief Valve BFR-1-PCV-001-0041	Target Rock	31-1068	N/A	N/A	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet studs and nuts and spline bolts and nuts.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 13, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-5-2006 to 7-20-2007, 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.

Curtis E. Fiske
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-20, 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>July 16, 2007</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p><u>WO 03-004234-000</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>
<p>4. Identification of System <u>System 001, Main Steam (MS) / ASME Code Class 1 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>ASME Section III</u> <u>19</u> <u>68 *</u> Edition, <u>S 70</u> Addenda <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95 Edition, 1996 Addenda</u></p>	

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)
Studs and nuts for Main Steam Relief Valve BFR-1-PCV-001-0042	Target Rock	185-1064	N/A	N/A	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet studs and nuts and spline bolts and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

Applicable Manufacturer's Data Reports to be attached

Form N-2 Data Report for Spline nuts is 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 Charles Trishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 16, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-05-06 to 07-27-07, 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.

Harold E. Smith
Inspector's Signature

Commissions

AL1016384

National Board, State, Province, and Endorsements

Date 07-27 20 07

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

Pg 1 of 1

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.) (handle strength) (CRN) (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.

(6/85)-1

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

FORM N-2 (back)

Mfr. Serial No. N/A

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. Pattarini 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 W. J. G. Abruzzo, Q.A. Manager
(NPT Certificate Holder) (Authorized representative)

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 J. G. Abruzzo **NEW YORK STATE COMMISSION NO. 2288**
(Authorized Inspector) Also Commissioned in Pa., Ohio & Calif.
Commissions (Net). Bd. (incl. endorsement) 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 July 16, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 WO 03-004235-000
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 (MS) / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, S 70 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)
Studs and nuts for Main Steam Relief Valve BFR-1-PCV-001-0180	Target Rock	35-1071	N/A	N/A	2006	Installed	No

7. Description of Work Installed rebuilt MSRV. Replaced inlet studs and nuts and spline nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure psi Test Temp. °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1 a.

Applicable Manufacturer's Data Reports to be attached

Form N-2 Data Report for Spline nuts is 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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 16, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-05-06 to 07-27-07, 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.

Harold E. Rich
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 07-27 20 07

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

Pg 1 of 1

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.) (tensile strength) (CRN) (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.

(6/85):1

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

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

Pg 1 of 1

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.) (tensile strength) (CAH) (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.

(8/85)-1

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

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 July 16, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 WO 03-004236-000
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 001 (MS) / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, S 70 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)
BFR-1-PCV-001-0005 Main Steam Relief Valve w/studs and nuts	Target Rock	63-1017	N/A	N/A	2006	Installed	No

7. Description of Work Installed rebuilt MSR.V. Replaced inlet and outlet studs and nuts. Replaced spline bolts and nuts.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.1.A. Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

Applicable Manufacturer's Data Reports to be attached

Form N-2 Data Report for Spline nuts is 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 Charles Quirkell, ISI Program Engineer
Owner or Owner's Designee Title

Date JULY 16, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-05-06 to 07-27-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL1016384

National Board, State, Province, and Endorsements

Date 07-27 20 07

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

Pg 1 of 1

1. Manufactured and certified by Target Puck 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.) (tensile 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.

(6/85)-1

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

FORM N-2 (back)

Mfr. Serial No. N/A

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. Pattarini 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 W. G. Abruzzo, Q.A. Manager
(NPT Certificate Holder) (Authorized representative)

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. Ireland **NEW YORK STATE COMMISSION NO. 2288**
(Authorized Inspector) Also Commissioned in Canada, Ohio & Oreg.
Commissions (N.B. Bd. Incl. endorsement(s) 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

Corrected. (X)

1. Owner Tennessee Valley Authority (TVA) Date April 18, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004243-001
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 (MS) System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Valve) ASME Section III, 1968 Edition, Summer 1970 Addenda & Article 9, 1965, with no stamp
(Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
Bolt Part # 107	Target Rock	Valve S/N 1069	N/A	1-PCV-001-0031	1988	Removed old Installed new	No
Spline Nut Part # 115	Target Rock	Valve S/N 1069	N/A	1-PCV-001-0031	1988	Removed old Installed new	No

7. Description of Work Replaced bolt and nut that were damaged during disassembly and refurbishment of spare valve.
Installed valve (S/N 1069) in Unit 1.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test performed per procedure 1-SI-3.3.1.A in WO 04-713480-000.
Valve testing performed per procedures 0-SR-3.4.3.1.a and 1-SR-3.4.3.2.
Corrected Description of work to include installation of valve in BFN Unit 1.
Form N-2 for bolts and nuts is 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 Elan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/18, 20 02

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-4-2006 to 5-1-2007, 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.

Curtis E. Doyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-1 20 07

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 July 16, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51231-07 Work Order (WO) 03-004722-074
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 003, Reactor Feedwater (RFW) 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 N/A
 (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)
1-CKV-003-0554	Atwood-Morrill	2-994	N/A	N/A	1974	Removed	No
1-CKV-003-0554	Weir	1-52116-A	N/A	N/A	2004	Installed	No
Weld RFW-1-019-001 (Valve-to-Pipe Weld)	TVA	N/A	N/A	Old ID GFW-1-1	2005	Installed	No
Weld RFW-1-019-007 (Gamma Plug-to-Pipe Weld)	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced 24" check valve 1-CKV-003-0554 and associated piping.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test for ASME Section XI performed by 1-SI-3.3.1.A. **Code Case N-416-3 utilized.
Applicable Manufacturer's Data Reports to be attached
10 CFR 50 Appendix J seat leakage test performed by 1-SI-4.7.A.2.G-3/3. Valve flow test performed by 1-SI-3.2.31.

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 Charles Driskell ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 16, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 11-24-04 to 07-28-07, 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.

Harold E. Ell
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 07-28, 20 07

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 July 16, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51231-07 Work Order (WO) 03-004722-075
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 003, Reactor Feedwater (RFW) 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 N/A
 (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)
1-CKV-003-0568	Atwood-Morrill	Unknown	N/A	N/A	1974	Removed	No
1-CKV-003-0568	Weir	2-52116-A	N/A	N/A	2004	Installed	No
Weld RFW-1-019-004 (Valve-to-Pipe Weld)	TVA	N/A	N/A	Old ID GFW-1-18	2005	Installed	No
Weld RFW-1-019-009 (Gamma Plug-to-Pipe Weld)	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Replaced 24" check valve 1-CKV-003-0568 and associated piping.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test for ASME Section XI performed by 1-SI-3.3.1.A. **Code Case N-416-3 utilized.

Applicable Manufacturer's Data Reports to be attached

10 CFR 50 Appendix J seat leakage test performed by 1-SI-4.7.A.2.G-3/3. Valve flow test performed by 1-SI-3.2.31.

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 16, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 11-24-04 to 07-28-07, 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.

Harold Rich
Inspector's Signature

Commissions

AL10163 BL
National Board, State, Province, and Endorsements

Date 07-26 20 07

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 13, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-004964-000
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 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 N/A
(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)
1-FCV-074-0066	Walworth	N/A	N/A	RHR Loop II Throttle Valve	2006	Corrected	No

7. Description of Work Perform Weld Buildup to repair degraded body and disc rib guides and reweld skirt to disc.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Code case N-416-3 utilized. Pressure testing performed by 1-SI-3.3.8.C. Valve testing performed by 1-SR-3.6.1.3.5(RHR II) and
1-SR-3.3.3.1.4(H II).
- 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 Charles Dinkel, ISI Program Engineer
Owner or Owner's Designee, Title

Date JUNE 13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-13-06 to 06-14-07, 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.

Harold E. Hill
Inspector's Signature

Commissions

AL10163B
National Board, State, Province, and Endorsements

Date 06-14 20 07

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 September 20, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN # 51341 Work Order (WO) 03-005172-001
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Supports) BFN-50-C-7107
(Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B456-48	TVA	Bergen Power 42852 42851	N/A	1-47B456-32 (old UNID) 1-SNUB-071-5021 1-SNUB-071-5022	2006	Installed	No
1-47B456-49	TVA	Bergen Power 42713 42714	N/A	1-47B456-33 (old UNID) 1-SNUB-071-5023 1-SNUB-071-5024	2006	Installed	No
1-47B456-41	TVA	N/A	N/A	None	N/A	Removed	No
1-47B456-50	TVA	N/A	N/A	None	2006	Installed	No
1-47B456-89	TVA	N/A	N/A	None	N/A	Removed	No
1-47B456-60	TVA	N/A	N/A	None	2006	Installed	No
1-47B456-61	TVA	N/A	N/A	1-47B456-90 (old UNID)	2006	Installed	No
1-47B456-63	TVA	N/A	N/A	1-47B456-88 (old UNID)	2006	Installed	No
1-47B456-622	TVA	N/A	N/A	1-47B456-87 (old UNID)	2006	Installed	No
1-47B456-86	TVA	N/A	N/A	None	N/A	Removed	No
1-47B456-2021	TVA	N/A	N/A	None	2006	Installed	No

7. Description of Work Replace existing support 1-47B456-41 with new support 1-47B456-50, 1-47B456-89 with 1-47B456-60,
1-47B456-86 with 1-47B456-2021. Modify and rename existing supports 1-47B456-48, 1-47B456-49, 1-47B456-61,
1-47B456-63, and 1-47B456-622. Snubber testing of 1-47B456-48 & -49 will be per WO 04-712201-000,
04-712202-000, 04-712200-000, and 04-712199-000.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Request for Relief 1-ISI-18 is applicable to snubbers in this WO.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date April 12, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-04-04 to 04-14-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL 10163BL
National Board, State, Province, and Endorsements

Date 04-14 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small>Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small>Address</small>	Date <u>August 3, 2006</u> Sheet <u>1</u> of <u>2</u>
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>	Unit <u>1</u> <u>DCN # 51341 Work Order (WO) 03-005172-002</u> <small>Repair/Replacement Organization P.O. No., Job No., etc</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>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent</u>	
(Supports) BFN-50-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B456-620	TVA	N/A	N/A	None	2006	Installed	No
1-47B456-39	TVA	N/A	N/A	None	N/A	Removed	No

7. Description of Work Replace existing support 1-47B456-39 with new support 1-47B456-620.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 14, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-03-04 to 06-14-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold L. Lee
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-14 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51341 Work Order (WO) 03-005172-003
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Supports) BFN-50-C-7107
(Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B456-65 (2")	TVA	S/N 42718**	N/A	(Old ID 47B456-34) 1-SNUB-071-5025	2006	Removed old Installed new	No
1-47B456-66 (2")	TVA	N/A	N/A	(Old ID 47B451-46)	2006	Installed	No
1-47B456-618 (3")	TVA	S/N 42712**	N/A	(Old ID R-16) 1-SNUB-071-5026	2006	Installed	No

7. Description of Work Modify / install new supports. **Snubbers supplied by Bergen Power and tested in WO# 04-712143-000 and WO# 04-712144-000.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Request for Relief 1-ISI-18 is applicable to snubbers in this WO.

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 Elen Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 02

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-03-04 to 04-14-07, 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.

Harold E. [Signature]
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 04-14 20 07

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 July 27, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51341 Work Order (WO) 03-005172-004
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 071, Reactor Core Isolation Cooling (RCIC) 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 N/A
 (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)
1-HCV-071-0014 bolting (8" line)	TVA	N/A	N/A	None	2006	Removed old Installed new	No

7. Description of Work Install two new valve bonnet bolts during modification of hanger 1-47B456-703.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 1, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-19-06 to 08-01-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold C. Hill
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 01 AUG 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <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>	Date <u>April 13, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51199 - 02</u> Work Order (WO) <u>03-005591-005</u> <small>Repair/Replacement Organization P.O. No. Job No. etc</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>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>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 074, RHR System / ASME Code Class 2 equivalent</u> <div style="text-align: center;">(Valves) ASME Section III, Class 2, 1995 with Addenda 1996</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0 19 67 Edition*, N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 95 Edition, 1996 Addenda**</u>	

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)
1-SHV-074-0831	Flowserve (Anchor Darling)	62AYQ	N/A	MK# 47W452-3579	2005	Installed	No
1-CKV-074-0804	Flowserve (Anchor Darling)	47AYQ	N/A	MK# 47W452-3581	2005	Installed	No
1-CKV-074-0792	Flowserve (Anchor Darling)	48AYQ	N/A	MK# 47W452-3581	2005	Installed	No
2" pipe and fittings	Consolidated Power Supply	N/A	N/A	MK# 47W452-3584 thru -3587	2005	Installed	No

7. Description of Work Installed new valves and piping.
**Code Case N-416-3 utilized.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by 1-SI-3.3.8.A in WO 04-713492-000 and by 1-SI-3.3.6 in WO 04-713487-000.

Applicable Manufacturer's Data Reports to be attached

Local Leak Rate Test (LLRT) performed by 1-SI-4.7.2G-3/74.

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 *Elmer B...*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/16, 20 02

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-29-2001 to 7-16-2001, 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.

Curtis A. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-16, 20 01

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>September 6, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51199</u> Work Order (WO) <u>03-005591-006</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95</u> Edition, <u>1996</u> 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)
1-47B452-3249	TVA	Bergen Power 41804**	N/A	1-SNUB-074-5073	2006	Installed	No
1-47B452-3333	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install supports.
**Snubber tested and installed in WO 04-720885-000.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 for Inservice Inspection of Snubbers applies to this Work Order.

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 Elen Barua, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/20, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 03-02-04 to 06-27-07, 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.

Harold E. Hill
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province, and Endorsements

Date 06-27, 20 07

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></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>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>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p> <p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	<p>Date <u>April 19, 2007</u></p> <p>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51199 - 02</u> Work Order (WO) <u>03-005591-009</u> <small>Repair/Replacement Organization P. O. No. Job No. etc</small></p> <p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No. <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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)
1-FCV-74-0060 (Disc, studs, and nuts)	Walworth	Unknown	N/A	None	2006	Installed	No

7. Description of Work Replace valve disc, studs, and nuts (Studs / nuts 1-1/8" diameter)

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/19, 20 02

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-29-05 to 04-19-07, 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.

Hansel E. 02
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 04-19 20 07

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 01 Work Order (WO) 03-005591-012
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 074, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda N/A Code Case N/A
(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)
Bonnet studs & nuts for Valve 1-FCV-074-0012	Nova Machine Products	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install new studs and nuts to replace those lost after disassembly.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by 1-SI-3.3.8.A in WO 04-713492-000.

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-14-04 to 04-15-07, 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.

Haniel E. Ellis
Inspector's Signature

Commissions

AL1016334
National Board, State, Province, and Endorsements

Date 04-15 20 07

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 February 11, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 01 Work Order (WO) 03-005591-014
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 074, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
Bonnet studs & nuts for Valve 1-FCV-074-0001	Nova Machine Products	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install new studs and nuts to replace those lost after disassembly.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.8.B in WO 04-713493-000.

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 John T. Lewis ISI Program Engineer
Owner or Owner's Designee, Title

Date July 19 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-14-04 to 07-28-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 07-28 20 07

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></p>	<p>Date <u>April 12, 2007</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51199 - 01</u> Work Order (WO) <u>03-005591-017</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>
<p>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-FCV-74-0059 (Weld connecting Disc to Stem Locknut)	Walworth	N/A	N/A	Model 5281WE	2006	Installed	No

7. Description of Work Weld Disc to Stem Locknut.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☒ Pressure N/A psi Test Temp. N/A °F

See Remarks (LLRT required)

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Local Leak Rate Test (LLRT), as required by Appendix J of 10CFR50, was performed per procedure 1-SI-4.7.A.2.g-3/74.
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 Ethan Burr, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 02

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-12-05 to 04-16-07, 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.

Hanged E. ell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 04-16 20 07

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 01 Work Order (WO) 03-005591-019
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 074, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
1-FCV-74-0061 (Weld build-up on Disc)	Walworth	N/A	N/A	Model 12-329-81-Y Mark No 3607	2006	Installed	No

7. Description of Work Weld build-up on Disc.

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

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Local Leak Rate Test (LLRT) was performed per procedure 1-SI-4.7.A.2.g-3/74.
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 *Ethan Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-12-05 to 04-19-07, 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.

Harold R. Bell
Inspector's Signature

Commissions

ALIC1038L

National Board, State, Province, and Endorsements

Date 04-19 20 07

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 01 Work Order (WO) 03-005591-020
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 074, RHR System / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
1-FCV-74-0053 (Bonnet)	Crane	Bonnet S/N D4227	N/A	Valve Model 5232-PS-WE	2006	Installed	No

7. Description of Work Replace pressure-seal bonnet. Drill 1/4"-diameter hole in valve disc (to prevent pressure locking).
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure N/A psi Test Temp. N/A °F
 See Remarks (LLRT)

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.8.A in WO 04-713492-000.

Applicable Manufacturer's Data Reports to be attached

Local Leak Rate Test (LLRT), per Appendix J of 10CFR50, was performed per procedure 1-SI-4.7.A.2.g-3/74 (WO 04-723814-000).

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 *Chen Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 12-13-04 to 04-19-07, 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.

Harold E. Bell
Inspector's Signature

Commissions

A1101638L
National Board, State, Province, and Endorsements

Date 04-19 20 07

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></p>	<p>Date <u>April 12, 2007</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>Sheet <u>1</u> of <u>3</u></p> <p>Unit <u>1</u></p> <p>DCN 51199 Work Order (WO) 03-005591-024 <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>
<p>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;">(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
RHR-1-019-007	TVA	N/A	N/A	N/A	2005	Installed	No
TRHR-1-076A	TVA	N/A	N/A	N/A	2005	Removed	No
1-FCV-74-0046	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-076	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-075	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-074	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-073	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-072A	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-072	TVA	N/A	N/A	N/A	2005	Removed	No

7. Description of Work Removed 24" crosstie pipe, valves, and supports on RHR System between Loop 1 and Loop 2.
**Code Case N-416-3 utilized.
Pressure testing of the tee-to-cap weld accomplished per W.O.# 04-713492-000.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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> <div style="text-align: center; font-size: small;">Name</div><u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div><u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div></p> <p>2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div><u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div></p> <p>3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div><u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div></p> <p>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p>	<p>Date <u>April 12, 2007</u></p> <p>Sheet <u>2</u> of <u>3</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51199</u> Work Order (WO) <u>03-005591-024</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No. etc.</div></p> <p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No. <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p> <p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 95 Edition, 1996 Addenda**</u></p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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)
TRHR-1-070	TVA	N/A	N/A	N/A	2005	Removed	No
TRHR-1-070A	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-014	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-014-IA	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-015	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-015-IA	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-016	TVA	N/A	N/A	N/A	2005	Removed	No
RHR-1-H-016-IA	TVA	N/A	N/A	N/A	2005	Removed	No
H-017	TVA	N/A	N/A	N/A	2005	Removed	No

7. Description of Work Removed 24" crosstie pipe, valves, and supports on RHR System between Loop 1 and Loop 2.
**Code Case N-416-3 utilized.
Pressure testing of the tee-to-cap weld accomplished per W.O. # 04-713492-000.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was accomplished per procedure 1-SI-3.3.8.A in W.O. # 04-713492-000.

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 [Signature] ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02-24-04 to 04-15-07, 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

AL10163BL
National Board, State, Province, and Endorsements

Date 04-15 20 07

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN # 51199 - 02 Work Order (WO) 03-005591-029
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, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
1-TW-074-0111	Conax	N/A	N/A	Part # 7TN5-59000-01	2006	Installed	No
1-TW-074-0112	Conax	N/A	N/A	Part # 7TN5-59000-01	2006	Installed	No
1-TW-074-0115	Conax	N/A	N/A	Part # 7TN5-59000-01	2006	Installed	No
1-TW-074-0116	Conax	N/A	N/A	Part # 7TN5-59000-01	2006	Installed	No

7. Description of Work Install new thermowells.
**Code Case N-416-3 utilized
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure test was performed by procedure 1-SI-3.3.8.C in WO 04-713494-000.
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 [Signature], ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 02

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-2005 to 4-13-2007, 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

MS-1076

National Board, State, Province, and Endorsements

Date 4-13, 20 07

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51199 - 02 Work Order (WO) 03-005591-035
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, 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 N/A
(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)
1-FCV-074-0102	Unknown	Unknown	N/A	N/A	2006	Removed	No
1-FCV-074-0103	Unknown	Unknown	N/A	N/A	2006	Removed	No
RHR piping and fittings	TVA	N/A	N/A	N/A	2006	Removed	No

7. Description of Work Removed valves, piping, and fittings from the Section XI boundary by cutting and capping Torus PEN 1-X-216.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ (Non-Code)
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 Purchase Contracts and applicable Design Criteria.

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 April 12, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 02 Work Order (WO) 03-005591-035
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 064A, Primary Containment / ASME Code Class MC equivalent
5. (a) Applicable Construction Code Section III, Class B 19 65* Edition, Winter Addenda, 67 Code Case 1177
1330
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 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)
4" pipe cap on Torus PEN 1-X-216	Pittsburgh Des-Moines	17001	N/A	N/A	2006	Installed	Yes

7. Description of Work Installed pipe cap on Unit 1 Torus PEN 1-X-216.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks ILRT was performed by procedure 1-SI-4.7.A.2.A-F in WO 04-715898-000.
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 *John Burr* ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-23-03 to 04-15-07, 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.

Harold E. Ell
Inspector's Signature

Commissions

AL101633L
National Board, State, Province, and Endorsements

Date 04-15 20 07

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></p>	<p>Date <u>April 13, 2007</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51199 - 02</u> Work Order (WO) <u>03-005591-036</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>
<p>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p>	
<p>(Valves) ASME Section III, Class 2, 1995 with Addenda 1996</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
1-SHV-074-0832	Flowserve (Anchor Darling)	26AYJ	N/A	MK# 47W452-3579	2005	Removed old Installed new	No
1-CKV-074-0802	Flowserve (Anchor Darling)	46AYQ	N/A	MK# 47W452-3581	2005	Removed old Installed new	No
1-CKV-074-0803	Flowserve (Anchor Darling)	45AYQ	N/A	MK# 47W452-3581	2005	Removed old Installed new	No
2" pipe and fittings	Consolidated Power Supply	N/A	N/A	MK# 47W452-3584 thru -3587	2005	Removed old Installed new	No

7. Description of Work Install new valves and piping.
**Code Case N-416-3 utilized.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by 1-SI-3.3.8.C in WO 04-713494-000 and by 1-SI-3.3.6 in WO 04-713487-000.

Applicable Manufacturer's Data Reports to be attached

Local Leak Rate Test (LLRT) performed by 1-SI-4.7.A.2.G-3/74.

Valve testing was performed by 1-SI-3.2.3 and 1-SI-3.2.31.

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 *Eric Burns* ISI Program Engineer

Owner or Owner's Designee, Title

Date 4/13, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 03-22-04 to 07-17-07, 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.

Harold E. Ell

Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 07-17, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <small style="margin-left: 100px;">Address</small> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small>	Date <u>July 17, 2007</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51199 - 02</u> Work Order (WO) <u>03-005591-037</u> <small style="margin-left: 100px;">Repair/Replacement Organization P.O. No., Job No., etc</small>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	
4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u> <div style="text-align: center; margin-top: 10px;"> (Supports) Design Criteria BFN-50-C-7107 </div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452H0159	TVA	N/A	N/A	None	2006	Installed	No
1-47B452-3348	TVA	N/A	N/A	None	2006	Installed	No

7. Description of Work Modified pipe supports.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Dinkell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 17, 20 07

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 ALABAMA and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-10-04 to 07-28-07, 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.

Harold E. [Signature]
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 07-28 20 07

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 13, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51199 - 02 Work Order (WO) 03-005591-043
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 074, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
Bonnet studs & nuts for Valve 1-FCV-074-0024	Nova Machine Products	HT# 226078 (studs) HT# 10280 (nuts)	N/A	N/A	2004	Installed	No

7. Description of Work Installed new studs and nuts (1" diameter) to replace those lost after disassembly.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure psi Test Temp. °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing performed by 1-SI-3.3.8.B. Valve testing performed by 1-SR-3.6.1.3.5(RHR II) and 1-SR-3.3.3.1.4(H II).

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 *John Barone*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/14, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-14-04 to 06-14-07, 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.

Hansel F. ...
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 06-14 20 07

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 September 13, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN # 51199 - 02 Work Order (WO) 03-005591-052 Address
Repair/Replacement Organization P.O. No. Job No. etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Authorization No. N/A Address
Expiration Date N/A
4. Identification of System System 074, RHR System / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-FCV-74-0073	Walworth	Unknown - Existing	N/A	N/A	2006	Installed	No

7. Description of Work Weld stem nut to disc and install new bonnet studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
See Remarks (LLRT)

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.8.B in WO 04-713493-000.
Applicable Manufacturer's Data Reports to be attached
Local Leak Rate Test (LLRT), per Appendix J of 10CFR50, was performed per procedure 1-SI-4.7.A.2.G-3/74.

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 *Eden Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/20, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-16-05 to 06-27-07, 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.

Howard E. Bell
Inspector's Signature

Commissions

AL101638C

National Board, State, Province, and Endorsements

Date 06-27, 20 07

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></p>	<p>Date <u>September 12, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51199 - 02</u> Work Order (WO) <u>03-005591-055</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>
<p>4. Identification of System <u>System 074, RHR System / ASME Code Class 1 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-FCV-74-0067	Crane	Unknown - Existing	N/A	Valve Model 5232-PS-WE	2006	Installed	No

7. Description of Work Drilled 1/4"-diameter hole in valve disc (to prevent pressure locking).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☒ Pressure N/A psi Test Temp. N/A °F
 See Remarks (LLRT)

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

Local Leak Rate Test (LLRT), per Appendix J of 10CFR50, was performed per procedure 1-SI-4.7.A.2.G-3/74 in WO 04-723814-000.

Valve testing was performed per procedures 1-SR-3.6.1.3.5(RHR II) and 1-SR-3.3.3.1.4(H II).

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 Ethan Barnes, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/20, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-02-07 to 07-02-07, 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.

Harold E. Hill
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 07-02 20 07

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 style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small></p>	<p>Date <u>January 5, 2005</u></p> <p>Sheet <u>1</u> of <u>2</u></p>
<p>2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small></p>	<p>Unit <u>1</u></p> <p>DCN # <u>51199</u> Work Order (WO) <u>03-005591-064</u> <small style="margin-left: 100px;">Repair/Replacement Organization P.O. No Job No etc.</small></p>
<p>3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">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>
<p>4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda**</u></p>	

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)
30" Pipe	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Install 30" diameter spool piece (carbon steel pipe) where Valve 1-SHV-074-0085 had previously been located.
**Code Case N-416-2 utilized.
(Valve had been previously removed by WO 03-004035-000.)

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed by procedure 1-SI-3.3.8.B in WO 04-713493-000.

Applicable Manufacturer's Data Reports to be attached

Integrated Leak Rate Test (ILRT) was performed by procedure 1-SI-4.7.A.2.A-F in WO 04-715898-000.

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 Ethan Burns ASI Program Engineer
Owner or Owner's Designee, Title

Date 6/21, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 02-12-04 to 06-28-07, 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.

Hansel E. Ellis
Inspector's Signature

Commissions

AL401638L
National Board, State, Province, and Endorsements

Date 06-28 20 07

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 November 18, 2004
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Address
Work Order (WO) 03-005591-065
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System System 074, Residual Heat Removal (RHR) / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
30" Spool piece	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Installed a 30" pipe (spool piece) where 30" Valve 1-HCV-074-0088 had previously been located. The valve was previously removed from the system in WO 03-004037-000.
**Code Case N-416-2 utilized.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
See Remarks (ILRT)

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Section XI pressure testing was performed in procedure 1-SI-3.3.8.B per WO 04-713493-000.

Applicable Manufacturer's Data Reports to be attached

Appendix J (ILRT) pressure testing was performed in procedure 1-SI-4.7 A.2.A-F per WO 04-715898-000.

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 *Elmer Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/21, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02-12-04 to 06-28-07, 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.

Harold E. Ell
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 06-28 20 07

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 March 1, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51199 Work Order (WO) 03-005591-066
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 074, RHR System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B452-3334	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B452-3350	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install pipe supports.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 3/1, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-17-2004 to 3-2-2005, 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.

Curtis A. Deale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 3-2 20 05

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 5, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 03-005591-077
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 Systems 023 / 074, RHRSW and RHR System / ASME Code Class 2 (RHR) & Class 3(RHRSW) equivalent
(Ht Exchanger) ASME Section III, Class C, 1965
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
 (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)
Flange and Drain Bolting (1-1/2" RHR Flange, 1-3/8" Floating Head, 3/4" Drain) on RHR Heat Exchanger A	Nova Machine Prod.	N/A	N/A	BFR-1-HEX-074-0900A	2005	Installed	No

7. Description of Work Installed new head flange nut, floating head bolting, and drain flange bolting.

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

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedures 1-SI-3.3.13 (WO# 04-713498-000) and 1-SI-3.3.8.A. (WO# 04-713492-000).
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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 5/31, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-21-2005 to 5-31-2007, 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.

Curtis R. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-31, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>June 11, 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51199 - 02</u> Work Order (WO) <u>03-005591-093</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-3278	TVA	N/A	N/A	RHR-1-H-148	2005	Installed	No
1-47B452-3279	TVA	N/A	N/A	RHR-1-R-103	2005	Installed	No
1-47B452-3280	TVA	N/A	N/A	RHR-1-R-027A	2005	Installed	No
1-47B452-3347	TVA	N/A	N/A	None	2005	Installed	No

7. Description of Work Install pipe supports.

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 Purchase Contracts and applicable Design Criteria.

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 Ellen Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/17, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/15/04 to 6/20/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon Whitfield
Inspector's Signature

Commissions

NC 1525
National Board, State, Province, and Endorsements

Date June 20 20 05

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

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>July 14, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51199 - 02 Work Order (WO) 03-005591-094</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No. Job No. etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 074, RHR System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95</u> Edition, <u>1996</u> 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)
1-47B452-3283	TVA	N/A	N/A	RHR-1-H-147	2006	Installed	No
1-47B452-3284	TVA	N/A	N/A	RHR-1-R-028A	2006	Installed	No

7. Description of Work Modify pipe supports.

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 Purchase Contracts and applicable Design Criteria.

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 Edo Bura ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/2, 20 06

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 Mississippi and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-16-2004 to 8-2-2006, 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.

Curtis A. De
Inspector's Signature

Commissions MS-1076
National Board, State, Province, and Endorsements

Date 8-2, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date October 26, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51199 - 01 Work Order (WO) 03-005591-099
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 074, 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 N/A
(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)
1-FCV-074-0058	Walworth	N/A	N/A	N/A	2005	Removed old Installed new	No

7. Description of Work Removed and replaced the tack weld joining the disc to locknut.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
Other ☒ See Remarks Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Valve Leak Test was performed per Appendix J LLRT procedure 1-SI-4.7.A.2.G-3/74.

Applicable Manufacturer's Data Reports to be attached

Valve testing performed per procedures 1-SR-3.6.1.3.5(RHR I) and 1-SR-3.3.3.1.4(H I).

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 *Elio Barone*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/21, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 07-12-05 to 06-28-07, 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.

Haseo E. Hill
Inspector's Signature

Commissions

AL0163B
National Board, State, Province, and Endorsements

Date 06-28 20 07

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 April 21, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51377 WO# 03-006334-001
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
1-48E1025-2	TVA	N/A	N/A	Old ID 1-47N1025-9 (R53)	2006	Installed	No

7. Description of Work Modify pipe anchor frames, located on RCIC turbine exhaust.
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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis
Owner or Owner's Designee, Title

SI Program Engineer

Date

April 21, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-8-04 to 5-03-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Egan
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 03 MAY 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>July 11, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51377</u> WO# <u>03-006334-002</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>
<p>4. Identification of System <u>System 075, Core Spray (CS) System / ASME Code Class 2 equivalent</u> <small>(Structures) Design Criteria BFN-50-C-7100</small> <small>(Supports) Design Criteria BFN-50-C-7107</small></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-48E1025-3	TVA	N/A	N/A	Old ID 48N1025-1-A	2006	Installed	No

7. Description of Work Modify pipe anchor frame, located near Core Spray Pump A.

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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date

July 17, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 09-01-04 to 07-17-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold R. Ellis
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 07-17 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date July 11, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51377 WO# 03-006334-003
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 075, Core Spray (CS) System / ASME Code Class 2 equivalent
 (Structures) Design Criteria BFN-50-C-7100
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
1-48E1025-4	TVA	N/A	N/A	Old ID 48N1025-1-B	2006	Installed	No

7. Description of Work Modify pipe anchor frame, located near Core Spray Pump B.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Dunn ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/14, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-28-2005 to 7-14-2006, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-14, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>May 22, 2006</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> DCN <u>51377</u> WO# <u>03-006334-004</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 075, Core Spray (CS) System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-48E1025-5	TVA	N/A	N/A	Old ID 1-48N1025-1-C	2006	Installed	No

7. Description of Work Modify pipe anchor frame, located near Core Spray pump C.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 22, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-23-05 to 5-23-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Hamed R. Ali
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 5-23 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date July 11, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51377 WO# 03-006334-005
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 075, Core Spray (CS) System / ASME Code Class 2 equivalent
(Structures) Design Criteria BFN-50-C-7100
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-48E1025-6	TVA	N/A	N/A	Old ID 48N1025-1-D	2006	Installed	No

7. Description of Work Modify pipe anchor frame, located near Core Spray Pump D.

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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date

July 17, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04/29/05 to 07/17/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. El

Inspector's Signature

Commissions

AL46

National Board, State, Province, and Endorsements

Date

07/17 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date October 19, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51377 WO# 03-006334-006
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-48E1026-1	TVA	N/A	N/A	1-47N1026-1	2006	Installed	No

7. Description of Work Modify pipe anchor frames, located on HPCI turbine exhaust.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-27-05 to 05-02-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL101635L
National Board, State, Province, and Endorsements

Date 05 - 02 20 07

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 August 29, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51377 WO# 03-006334-007
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
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
1-48E1027-1	TVA	N/A	N/A	1-47N1026-1 (Old ID RHR-1-R-35A & -35B)	2006	Installed	No

7. Description of Work Modify pipe anchor frame, located on RHR Pump A suction.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 29, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-21-05 to 08-29-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. [Signature]
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-29 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>October 11, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51377</u> WO# <u>03-006334-008</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>
<p>4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 1 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p> <p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-48E1030	TVA	N/A	N/A	1-48E1030-X12 1-48E1030-X13A 1-48E1030-X13B	2006	Installed	No

7. Description of Work Modify pipe anchor frames at Penetrations X12, X13A & X13B

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-25-05 to 05-02-07, 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.

Huseo E. L. L.
Inspector's Signature

Commissions

AL 101639L

National Board, State, Province, and Endorsements

Date 05-02 20 07

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 1, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
DCN 51377 WO# 03-006334-009
Address Repair/Replacement Organization P.O. No. Job No. etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Authorization No. N/A
Address Expiration Date N/A
4. Identification of System System 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 1 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-48E1032-1-X11	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify pipe anchor frame at Penetration X11.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis ISI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04-03-06 to 05-02-07, 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.

Harold C. [Signature]
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-02 20 07

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 October 13, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51377 WO# 03-006334-010
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 (MS) System / ASME Code Class 1 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-48E1032-5	TVA	N/A	N/A	48N1032 PEN X8	2006	Installed	No

7. Description of Work Modify pipe anchor frame.
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 Purchase Contracts and applicable Design Criteria.

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 Charles Oriskany, ISI Program Engineer
Owner or Owner's Designee, Title

Date OCTOBER 13, 20 06

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 Georgia and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/16/06 to 10/17/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Ronald A. Howard
Inspector's Signature

Commissions

700 Georgia
National Board, State, Province, and Endorsements

Date October 17 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date July 11, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51377 WO# 03-006334-011
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 075, Core Spray (CS) System / ASME Code Class 1 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-48E1033-1-X-16A	TVA	N/A	N/A	48N1033	2006	Installed	No
1-48E1033-1-X-16B	TVA	N/A	N/A	48N1033	2006	Installed	No

7. Description of Work Modify pipe anchor frames.
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 Purchase Contracts and applicable Design Criteria.

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 Elan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/11, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-10-05 to 7-11-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 7-11 2006

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>September 1, 2006</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> DCN <u>51377</u> WO# <u>03-006334-014</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No. etc.</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 074, Residual Heat Removal (RHR) / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-48E1027-5	TVA	N/A	N/A	RHR-1-R-037A RHR-1-R-037A-IA RHR-1-R-37B RHR-1-R-37B-IA	2006	Installed	No

7. Description of Work Modify pipe anchor frames, located on 24" x 20" tee, for RHR Pump B Suction.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A
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 Charles J. Wickell, ISI Program Engineer Date SEPTEMBER 1, 20 06
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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-18-2004 to 9-7-2006, 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.

Curtis A. Poole Commissions MS-1076
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-7 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>August 31, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> Work Order (WO) <u>03-006334-015</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 074, Residual Heat Removal System (RHR) / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
Pipe Anchor 1-48E1027-7	TVA	N/A	N/A	RHR-1-R-037C RHR-1-R-037C-IA RHR-1-R-037D RHR-1-R-037D-IA	2006	Installed	No

7. Description of Work Correct discrepancies on supports found during walk-downs. Pipe anchors for RHR pump 1D suction piping.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Dinkell, ISI Program Engineer
Owner or Owner's Designee, Title

Date AUGUST 31, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 10-26-04 to 9-05-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 09-05 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date August 25, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN 51377 WO# 03-006334-016
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
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
Pipe Anchor 1-48E1027-2	TVA	N/A	N/A	Old IDs RHR-1-R-035C RHR-1-R-035D	2006	Installed	No

7. Description of Work Modify pipe anchor frame.
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 Purchase Contracts and applicable Design Criteria.

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 Echo Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/28, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04-03-06 to 08-29-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. [Signature]
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-29 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>September 14, 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51375</u> Work Order (WO) <u>03-006335-018</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 074/303, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-1469 (20" RHR support)	TVA	N/A	N/A	RHR-1-R-2 (Old ID)	2005	Installed	No

7. Description of Work Remove and reinstall gusset plate Item # 5 to implement DCN 51375.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date Sept 14, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-3-2005 to 9-15-2005, 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.

Curtis R. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 9-15- 20 05

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 January 16, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Design Change Notice (DCN) 51369-06
Address Work Order (WO) 03-006578-013
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 010, Boiler Drains and Vents (BDV) System / ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
Quencher Arm Support Q1	TVA	N/A	N/A	BDV-1-WO03006578013- 001 and 002	2003	Installed	No
Quencher Arm Support Q2	TVA	N/A	N/A	BDV-1-WO03006578013- 003 and 004	2003	Installed	No

7. Description of Work Added shims to Quencher Arm Support Q1 and Q2 (Main Steam Relief Valve discharge piping supports), inside Torus Bay 1.
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 Purchase Contracts and applicable Design Criteria.

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 *Elmer Burr*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/19, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-21-03 to 06-28-07, 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.

Harold Hill
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 06-28 20 07

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 March 10, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Design Change Notice (DCN) 51369-06
 Work Order (WO) 03-006578-014
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 010, Boiler Drains and Vents (BDV), and System 001, Main Steam, ASME Code Class 2 equivalent
 (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
Quencher Arm Support Q3	TVA	N/A	N/A	BDV-1-WO03006578014- 001 and 002	2003	Installed	No
Rigid Restraint RS-11	TVA	N/A	N/A	MS-1-WO03006578014- 001 through 016	2003	Installed	No

7. Description of Work Added shims to Quencher Arm Support Q3 and Rigid Restraint RS-11 (Main Steam Relief Valve discharge piping supports), inside Torus Bay 2.
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 Purchase Contracts and applicable Design Criteria.

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 *Ethan Burns*, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/19, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-02-03 to 06-28-07, 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.

Harold E. Lee
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 06-28 20 07

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 April 21, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 010, Boiler Vents and Drains, and System 001, Main Steam, ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (supports) Design Criteria BFN-50-C-7107
(piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
Quencher Arm Support Q5	TVA	N/A	N/A	BVD-1-WO03006578015- 001	2003	Installed	No
Rigid Restraint RS-4	TVA	N/A	N/A	MS-1-WO03006578015- 002, 003 and 003A	2003	Installed	No
Rigid Restraint RS-5	TVA	N/A	N/A	MS-1-WO03006578015- 004 through 009	2003	Installed	No
Rigid Restraint RS-10	TVA	N/A	N/A	MS-1-WO03006578015- 010 through 027	2003	Installed	No

7. Description of Work Add shims to Quencher Arm Support Q5 and Rigid Restraints RS-4, RS-5 and RS-10, Unit 1 Torus Bay 3
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

This modification adds shims to pipe supports and add welds to Rigid Restraints RS-4, RS-5 and RS-10 for main steam relief valve discharge piping inside torus. Pressure boundary is not affected by this modification

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 John D. Lewin, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-03-03 to 05-03-07, 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.

Harold E. Ell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-03 20 07

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></p>	<p>Date <u>May 2, 2007</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>Design Change Notice (DCN) <u>51369-06</u> Work Order (WO) <u>03-006578-016</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>
<p>4. Identification of System <u>System 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent</u></p>	
<p>(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
Quencher Arm Support Q6	TVA	N/A	N/A	BVD-1-WO03006578016- 003	2004	Installed	No

7. Description of Work Add shims to Quencher Arm Support Q6, Unit 1 Torus Bay 4

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

This modification adds shims to main steam relief valve discharge piping support inside torus.

Pressure boundary is not affected by this modification

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-1-2003 to 5-2-2007, 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.

Curtis R. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-2, 20 07

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></p>	<p>Date <u>April 20, 2004</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>Design Change Notice (DCN) <u>51369-06</u> Work Order (WO) <u>03-006578-017</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 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent

(supports) Design Criteria BFN-50-C-7107

5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A

(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)
Quencher Arm Support Q8	TVA	N/A	N/A	BDV-1-WO03006578017-001 and 002	2003	Installed	No

7. Description of Work Add shims to Quencher Arm Support Q8, Unit 1 Torus Bay 5

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

This modification adds shims to main steam relief valve discharge piping support inside torus.

Pressure boundary is not affected by this modification

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 John T. Lewis SI Program Engineer
Owner or Owner's Designee, Title

Date May 1, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-1-2003 to 5-2-2007, 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.

Curtis R. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-2, 20 07

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>April 23, 2004</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>Design Change Notice (DCN) <u>51369-06</u> Work Order (WO) <u>03-006578-018</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>
<p>4. Identification of System <u>System 001, Main Steam System, ASME Code Class 2 equivalent</u></p>	
<p>(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
Rigid Restraint RS-14 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 6	2003	Installed	No
Rigid Restraint RS-15 1-47W401-8	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 6	2003	Installed	No

7. Description of Work Add welds to Rigid Restraints RS-14 and RS-15, Unit 1 Torus Bay 6

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer Date May 1, 20 07
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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-10-2003 to 5-2-2007, 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.

Curtis R. Poole Commissions MS-1076
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2 20 07

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 April 21, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Design Change Notice (DCN) 51369-06
Work Order (WO) 03-006578-019
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
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
Rigid Restraint RS-1 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 7	2003	Installed	No
Rigid Restraint RS-2 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 7	2003	Installed	No
Rigid Restraint RS-9 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 7	2003	Installed	No
Quencher Support Q12 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 7	2003	Installed	No

7. Description of Work Corrected welds added lugs and shims on supports, Unit 1 Torus Bay 7
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks _____

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 5/4, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-10-03 to 5-4-04, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076 N.I.

National Board, State, Province, and Endorsements

Date 5-4 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 April 22, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Design Change Notice (DCN) 51369-06
Address Work Order (WO) 03-006578-020
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 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
Quencher Support Q13 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 8	2003	Installed	No
Quencher Support Q14 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 8	2003	Installed	No

7. Description of Work Added shims to quencher arm supports Q13 and Q14, Unit 1 Torus Bay 8

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 Purchase Contracts and applicable Design Criteria.

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 *Elia Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date *May 2*, 20 *07*

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-03-03 to 05-07-07, 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.

Harold E. Bell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-07 20 07

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 April 22, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Design Change Notice (DCN) 51369-06
Address Work Order (WO) 03-006578-021
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 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
Quencher Support Q19 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 11	2003	Installed	No
Quencher Support Q20 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 11	2003	Installed	No

7. Description of Work Added shims to quencher arm supports Q19 and Q20, Unit 1 Torus Bay 11

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-03-03 to 05-07-07, 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.

Haseo L. El
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 05-07 20 07

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 April 24, 2004
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
Address Design Change Notice (DCN) 51369-06
Work Order (WO) 03-006578-022
Repair/Replacement Organization P.O. No. Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Address Authorization No. N/A
Expiration Date N/A
4. Identification of System System 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
Quencher Support Q21 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 12	2004	Installed	No

7. Description of Work Added shims to quencher arm support Q21, Unit 1 Torus Bay 12
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 Purchase Contracts and applicable Design Criteria.

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 Ela Burn, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-03-03 to 05-07-07, 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.

Harold C. Bell
Inspector's Signature

Commissions

AL10163BL
National Board, State, Province, and Endorsements

Date 05-07 20 07

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 April 21, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Design Change Notice (DCN) 51369-06
 Work Order (WO) 03-006578-023
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 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
Quencher Support Q22 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 13	2003	Installed	No

7. Description of Work Added shims to quencher arm support Q22, Unit 1 Torus Bay 13
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Elen Barua, ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/21, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-12-2003 to 4-21-2004, 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.

Curtis A. Boal
Inspector's Signature

Commissions

MS-1076 N.I.

National Board, State, Province, and Endorsements

Date 4-21- 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 April 20, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Design Change Notice (DCN) 51369-06
Work Order (WO) 03-006578-024
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 010, Boiler Drains and Vents System, ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
Rigid Restraint RS-13 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 14	2003	Installed	No

7. Description of Work Add welds to Rigid Restraint RS-13, Unit 1 Torus Bay 14
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 Purchase Contracts and applicable Design Criteria.

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 Elmer Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-10-03 to 05-07-07, 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.

Harold E. Hill
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-07 20 07

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></p>	<p>Date <u>April 20, 2004</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>Design Change Notice (DCN) <u>51369-06</u> Work Order (WO) <u>03-006578-025</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>
<p>4. Identification of System <u>System 010, Boiler Drains & Vents System, ASME Code Class 2 equivalent</u></p>	
<p>(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
Rigid Restraint RS-6 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 15	2004	Installed	No
Rigid Restraint RS-7 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 15	2004	Installed	No
Rigid Restraint RS-12 1-47W401-4	TVA	N/A	N/A	Support for main steam relief valve discharge piping in Torus Bay 15	2004	Installed	No
Quencher Support Q24 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 15	2004	Installed	No

7. Description of Work Corrected welds and added lugs and shims on supports, Unit 1 Torus Bay 15

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 Purchase Contracts and applicable Design Criteria.

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 *John Burns*, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-10-2003 to 5-9-2007, 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.

Curtis A. Pade
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-9, 20 07

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 April 22, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
 Design Change Notice (DCN) 51369-06
 Work Order (WO) 03-006578-026
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 010, Boiler Vents and Drains System, ASME Code Class 2 equivalent
 (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
 (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)
Quencher Support Q25 48N1218-10	TVA	N/A	N/A	Main steam relief in Torus Bay 16	2003	Installed	No

7. Description of Work Added shims to quencher arm support Q25, Unit 1 Torus Bay 16
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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burton ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-02-03 to 05-07-07, 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.

Haverdell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-07 20 07

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 August 4, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51369 - 07 Work Order (WO) 03-006578-066
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 064A, Primary Containment / ASME Code Class MC equivalent
5. (a) Applicable Construction Code Section III, Class B 19 65* Edition, Winter Addenda, 67 Code Case 1177
1330
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 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)
MK1-R9 MC Rigid Restraint, MK1 Restraint 9	Pittsburgh Des-Moines	17001	N/A	Welds attaching support to inside of Main Vent (Down-comer)	1968	Installed	Yes

7. Description of Work Restore welds connecting Rigid Restraint MK1 Restraint 9 to inside of Main Vent Down-comer (Containment).
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
 Other ☒ Pressure psi Test Temp. °F
 ILRT - 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 Purchase Contracts and applicable Design Criteria.

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 August 4, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51369 - 07 Work Order (WO) 03-006578-066
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK1-R9 Rigid Restraint, MK1 Restraint 9	TVA	N/A	N/A	Miscellaneous welds on support for MSSRV Discharge piping	2006	Installed	No

7. Description of Work Restore welds on Rigid Restraint MK1 Restraint 9.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

This modification adds welds to the surface of the containment pressure-retaining boundary. This is considered a minor modification which is subject to pressure test per IWE-5221. The pressure test requirement is satisfied by 1-SI-4.7.A.2.A-F, Primary Containment Integrated Leak Rate Test, performed under Work Order 04-715898-000.

The Class 2 support welds on Sheet 2 of NIS-2 do not require a pressure test.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-19-2005 to 5-7-2007, 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.

Curtis R. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-7, 20 07

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

1.	Owner	<u>Tennessee Valley Authority (TVA)</u> Name <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> Address	Date	<u>August 4, 2006</u>
2.	Plant	<u>Browns Ferry Nuclear Plant (BFN)</u> Name <u>P. O. Box 2000, Decatur, AL 35609-2000</u> Address	Sheet	<u>1</u> of <u>3</u>
3.	Work Performed by	<u>TVA-BFN</u> Name <u>P. O. Box 2000, Decatur, AL 35609-2000</u> Address	Unit	<u>1</u>
			DCN	<u>51369 - 07</u> <u>Work Order (WO) 03-006578-067</u> Repair/Replacement Organization P.O. No., Job No. etc.
			Type Code Symbol Stamp	<u>N/A</u>
			Authorization No.	<u>N/A</u>
			Expiration Date	<u>N/A</u>
4.	Identification of System	<u>System 064A, Primary Containment / ASME Code Class MC equivalent</u>		
5. (a)	Applicable Construction Code	<u>Section III, Class B</u>	<u>19</u>	<u>65*</u> Edition, <u>Winter</u> Addenda, <u>67</u> Code Case <u>1177</u> <u>1330</u>
(b)	Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>92</u> Edition, <u>1992</u> 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)
MK1-R10 MC Rigid Restraint, MK1 Restraint 10	Pittsburgh Des-Moines	17001	N/A	Welds attaching support to inside of Main Vent (Down-corer)	2005	Installed	Yes

7. Description of Work Restore welds connecting Rigid Restraint MK1 Restraint 10 to inside of Main Vent Down-comer (Containment).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

ILRT - 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 Purchase Contracts and applicable Design Criteria.

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>August 4, 2006</u></p> <p>Sheet <u>2</u> of <u>3</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>1</u></p> <p>DCN <u>51369 - 07</u> Work Order (WO) <u>03-006578-067</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>
<p>4. Identification of System <u>System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent</u></p>	
<p>(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
MK1-R10 Rigid Restraint, MK1 Restraint 10	TVA	N/A	N/A	Miscellaneous welds on support for MSSRV Discharge piping	2006	Installed	No

7. Description of Work Restore welds on Rigid Restraint MK1 Restraint 10.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

This modification adds welds to the surface of the containment pressure-retaining boundary. This is considered a minor modification which is subject to pressure test per IWE-5221. The pressure test requirement is satisfied by 1-SI-4.7.A.2.A-F, Primary Containment Integrated Leak Rate Test, performed under Work Order 04-715898-000.

The Class 2 support welds on Sheet 2 of NIS-2 do not require a pressure test.

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 Charles J. Smith, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 3, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-23-05 to 05-03-07, 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.

Harold E. Smith
Inspector's Signature

Commissions

AL 101638L
National Board, State, Province, and Endorsements

Date 05-03 20 07

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 August 19, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN # 51369 - 07 Work Order (WO) 03-006578-068
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
5. (a) Applicable Construction Code (supports) Design Criteria BFN-50-C-7107
(piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK1-R7 Rigid Restraint, MK1 Restraint 7 at AZ 337-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

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 *Elmer Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/19, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-24-05 to 08-22-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. ...
Inspector's Signature

Commissions

AL 46

National Board, State, Province, and Endorsements

Date 08-22, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date August 15, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51369 - 07 Work Order (WO) 03-006578-069
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK1-R8 Rigid Restraint, MK1 Restraint 8 at AZ 337-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 26, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-24-05 to 08-26-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Ell
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-26 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>August 19, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51369 - 07</u> Work Order (WO) <u>03-006578-070</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
MK1-R1 Rigid Restraint, MK1 Restraint 1 at AZ 157-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/19, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05-26-05 to 08-22-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. al
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 08-22 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date August 19, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN # 51369 - 07 Work Order (WO) 03-006578-071
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK1-R2 Rigid Restraint, MK1 Restraint 2 at AZ 157-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

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

Chen Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date

8/23, 2006

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-15-05 to 08-24-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. El
Inspector's Signature

Commissions

AL 96
National Board, State, Province, and Endorsements

Date 08-24 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date February 7, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51369 - 07 Work Order (WO) 03-006578-072
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
- (supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK3-R5 Rigid Restraint, MK3 Restraint 5 at AZ 247-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Elmer Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 2/7, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05/16/05 to 02/13/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold C. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 02/13 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>February 10, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN # <u>51369 - 07</u> Work Order (WO) <u>03-006578-073</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>
<p>4. Identification of System <u>System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;">(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
MK3-R6 Rigid Restraint, MK3 Restraint 6 at AZ 247°-30'	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date February 10, 20 06

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, Connecticut have inspected the components described in this Owner's Report during the period 6/7/05 to 2/13/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 2/13 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date February 17, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
(supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
MK3-R3 Rigid Restraint, at AZ 202"-30"	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date February 17, 20 06

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____
Hartford, Connecticut HSB CT
have inspected the components described in this Owner's Report during the period 6/14/05 to 2/18/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN2534

National Board, State, Province, and Endorsements

Date 2/18 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>February 17, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51369 - 07</u> Work Order (WO) <u>03-006578-075</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No. Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
MK2-R4 Rigid Restraint, at AZ 202°-30'	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date February 17, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-14-05 to 02-18-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Hanged E. Lee
Inspector's Signature

Commissions

AL 46

National Board, State, Province, and Endorsements

Date 02-18- 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date August 9, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
DCN # 51369 - 07 Work Order (WO) 03-006578-076
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 010, Boiler Drains & Vents / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
MK3-R11 Rigid Restraint, at AZ 112°-30'	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

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 *Ethan Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/10, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-15-05 to 8-10-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold C. Lee
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-10 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>August 19, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51369 - 07</u> Work Order (WO) <u>03-006578-077</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>
<p>4. Identification of System <u>System 010, Boiler Drains & Vents / ASME Code Class 2 equivalent</u></p>	
<p>(supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
MK3-R12 Rigid Restraint, MK3 Restraint 12 at AZ 112-30	TVA	N/A	N/A	Support for MSSRV Discharge piping (10" tailpipe)	2006	Installed	No

7. Description of Work Modify support.

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 Purchase Contracts and applicable Design Criteria.

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 *Elton Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/19, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06-15-05 to 08-23-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold Smith
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date 08-23 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date March 28, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51257 WO 03-006599-001
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 070, Reactor Building Component Cooling Water (RBCCW) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B464-743	TVA	N/A	N/A	N/A	2005	Removed old Installed new	No
1-47B464-744	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B464-745	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install / modify small bore (1-1/2") supports on the RBCCW System near Penetrations X-23 and X-24.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Ethan Burne, ISI Program Engineer

Date 3/28, 20 05

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 9/30/03 to 3/29/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon W. Wall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date March 29, 20 05

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 2, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 085, Control Rod Drive (CRD) 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 N/A
- (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)
1-RTV-85-277A (2")	Flowserve	43AYH	N/A	N/A	2006	Installed	No
1-RTV-85-278A (2")	Flowserve	42AYH	N/A	N/A	2006	Installed	No
1-RTV-85-286A (2")	Flowserve	44AYH	N/A	N/A	2006	Installed	No
1-RTV-85-288A (2")	Flowserve	24AXU	N/A	N/A	2006	Installed	No
1-LS-85-45C (2")	Magnetrol	548689-01-001	N/A	N/A	2006	Installed	No
1-LS-85-45D (2")	Magnetrol	548689-01-002	N/A	N/A	2006	Installed	No
1-LS-85-45E (2")	Magnetrol	548689-01-003	N/A	N/A	2006	Installed	No
1-LS-85-45F (2")	Magnetrol	548689-01-004	N/A	N/A	2006	Installed	No
2" piping and fittings	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify piping, including RTVs and LSs, on Control Rod Drive (CRD) System (085) per DCN 51206.
**Code Case N-416-3 utilized.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Pressure testing was performed per procedure 1-SI-3.3.1.D in WO 04-713483-000.
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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-19-2004 to 5-3-2007, 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.

Curtis E. Fode
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-3, 20 07

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 February 23, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51206 Work Order (WO) 03-006734-023
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B468-237 (3")	TVA	N/A	N/A	H-448	2006	Installed	No
1-47B468-240 (2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B468-242 (2")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify supports for Control Rod Drive (CRD) System (085) per DCN 51206.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 2, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 8-2-2004 to 5/3/2007, 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.

Curtis R. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-3, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <small style="margin-left: 100px;">Address</small> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small>	Date <u>June 12, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51206</u> Work Order (WO) <u>03-006734-024</u> <small style="margin-left: 100px;">Repair/Replacement Organization P.O. No. Job No. etc.</small>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	
4. Identification of System <u>System 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; margin-top: 10px;"> <small>(Supports) Design Criteria BFN-50-C-7107</small> </div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B468-2017 (4")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify support for Control Rod Drive (CRD) System (085) per DCN 51206.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 14, 20 06

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 ALABAMA and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-29-04 to 6-14-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 6-14, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date June 13, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51206 WO# 03-006734-025
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 (CRD) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-245 (2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B468-246 (3")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B468-244 (3")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify CRD supports.

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 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 15, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-30-2004 to 6-15-2006, 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.

Curtis A. Dale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 6-15 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date July 7, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 WO 03-007421-000
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 (MS) / ASME Code Class 1 equivalent
5. (a) Applicable Construction Code ASME Section III 19 68 * Edition, 1965 Addenda, N/A Code Case S 70 with Article 9,
- (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 w/studs and nuts	Target Rock	62-1027	N/A	BFR-1-PCV-001-0179	2006	Installed	No
							No

7. Description of Work Installed rebuilt MSRV. Replaced inlet and outlet studs and nuts. Replaced spline bolts and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Presssure testing performed by 1-SI-3.3.1.A.

Applicable Manufacturer's Data Reports to be attached
Valve testing performed by 1-SR-3.4.3.2 and 0-SR-3.4.3.1.a.

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

Charles Driskell

ISI Program Engineer

Date

JULY 7

, 20

07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-5-2006 to 7-7-2007, 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.

Curtis A. Dade
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

7-7

20

07

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 July 18, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 Work Order (WO) 03-007690-001
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 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 N/A
(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)
Bolting for 1-FCV-073-0018	TVA	N/A	N/A	N/A	2007	Installed	No

7. Description of Work Replaced inlet and outlet flange bolting and one cover flange bolt for 1-FCV-073-0018.
- (See Remarks.)
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks ASME Section XI pressure test performed by 1-SI-3.3.9. Valve testing performed by 1-SR-3.5.1.7(COMP) and 1-SR-3.3.3.1.4(G).
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 Charles Inshell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 19, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-16-2006 to 8-3-2007, 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.

Curtis A. Doyle
Inspector's Signature

Commissions

MS-1076
National Board, State, Province, and Endorsements

Date 8-3, 20 07

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 January 11, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address
Work Order (WO) 03-007690-004
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 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 N/A
 (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)
10" HPCI Pipe Weld HPCI-1-018-004	TVA	N/A	N/A	Old Weld No. THPCI-1-100	2007	Removed old weld Installed new weld	No

7. Description of Work Remove existing weld down to the root to allow for re-alignment. Install new weld.
Repair does not penetrate through the pressure boundary.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ (See Remarks)
 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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks No pressure testing is required, as stated in Section XI, IWA-4540(b)(3), since the repair excavation did not penetrate through the
Applicable Manufacturer's Data Reports to be attached
pressure boundary of the piping system.

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 Eck Buma, ISI Program Engineer
Owner or Owner's Designee, Title

Date 1/11, 20 07

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 Mississippi and employed by HSB CT of
Hartford, Connecticut have inspected the components described
in this Owner's Report during the period 12-19-2006 to 1-12-2007, 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.

Curtis R. Posh
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 1-12, 20 07

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 September 23, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B452-1465	TVA	N/A	N/A	RHR-1-H-044 (old ID)	2004	Installed	No
1-47B452-1466	TVA	**42509	N/A	1-SNUB-074-5069	2004	Installed	No
1-47B452-1467	TVA	N/A	N/A	RHR-1-R-001 (old ID)	2004	Installed	No
1-47B452-1470	TVA	N/A	N/A	RHR-1-H-045 (old ID)	2004	Installed	No

7. Description of Work Modify supports for RHR System (074) per DCN 51347.
**Snubber is supplied by Bergen Power. Testing and final installation by WO#04-712211-000 (-5069).
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 Purchase Contracts and applicable Design Criteria.

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 September 23, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51347 Work Order (WO) 03-008315-001
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B452-1476	TVA	N/A	N/A	RHR-1-H-049 (old ID)	2004	Installed	No
1-47B452-1477	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B452-1478	TVA	N/A	N/A	RHR-1-H-050 (old ID)	2004	Installed	No

7. Description of Work Modify supports for RHR System (074) per DCN 51347.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 for Inservice Inspection of Snubbers applies to this Work Order.

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 *Elie B...* ISI Program Engineer

Owner or Owner's Designee, Title

Date 5/24, 20 07

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 Mississippi and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-12-2003 to 5-24-2007, 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.

Curtis R. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-24, 20 07

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 29, 2007</u></p> <p>Sheet <u>1</u> of <u>3</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>1</u></p> <p>DCN # <u>51347</u> Work Order (WO) <u>03-008315-002</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>
<p>4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria <u>BFN-50-C-7107</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B452-1468	TVA	N/A	N/A	RHR-1-H-043 (old ID)	2004	Installed	No
1-47B452-1469	TVA	N/A	N/A	RHR-1-R-2 (old ID)	2004	Installed	No
1-47B452-1471	TVA	N/A	N/A	RHR-1-H-046 (old ID)	2004	Installed	No
1-47B452-1472	TVA	N/A	N/A	RHR-1-H-048 (old ID)	2004	Installed	No

7. Description of Work Modified supports for RHR System (074) per DCN 51347.

**Snubbers are supplied by Bergen Power (testing and final installation in WO 04-712210-000 (# 5070) and WO 04-712209-000 (# 5068).

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 Purchase Contracts and applicable Design Criteria.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small>	Date <u>May 29, 2007</u> Sheet <u>2</u> of <u>3</u> Unit <u>1</u> DCN # <u>51347</u> Work Order (WO) <u>03-008315-002</u> <small style="margin-left: 100px;">Repair/Replacement Organization P.O. No. Job No., etc.</small>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	
4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; margin-top: 5px;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-1473	TVA	N/A	N/A	RHR-1-H-047 (old ID)	2004	Installed	No
1-47B452-1474	TVA	N/A	N/A	RHR-1-R-003 (old ID)	2004	Installed	No
1-47B452-1475	TVA	N/A	N/A	RHR-1-R-004 (old ID)	2004	Installed	No
BFR-1-SNUB-074-5068	Bergen Power	42510**	N/A	1-47B452-1474	2006	Installed	No
BFR-1-SNUB-074-5070	Bergen Power	42511**	N/A	1-47B452-1472	2006	Installed	No

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 utilized.

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 Charles Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 29, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-12-03 to 05-29-07, 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.

Hanson C. ell
Inspector's Signature

Commissions

AL101638L

National Board, State, Province, and Endorsements

Date 05-29 20 07

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 September 14, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51347 Work Order (WO) 03-008315-003
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B452-1481	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B452-1483	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B452-1486	TVA	N/A	N/A	N/A	2004	Installed	No
H-302	TVA	N/A	N/A	47A452-242	2004	Removed	No

7. Description of Work Modify supports for RHR System (074) per DCN 51347.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 9/15, 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 NC and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/8/03 to 9/23/04, 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.

Arden Apple
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date Sept 23 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 August 11, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51347 Work Order (WO) 03-008315-004
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B452-1479	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B452-1480	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Modify supports for RHR System (074) per DCN 51347.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/11, 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 Mississippi and employed by Hartford, Connecticut HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-17-2003 to 8-17-2004, 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.

Curtis E. Bode
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 8-17 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 October 6, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51347 Work Order (WO) 03-008315-006
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
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda. N/A Code Case N/A
(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)
Existing 1-1/2" support (no identity) downstream of 1-SHV-074-0748A	TVA	N/A	N/A	N/A	2005	Removed	No

7. Description of Work Removal only of support on RHR System (074) per DCN 51347.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/6, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 8-31-2005 to 10-6-2005, 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.

Dustin R. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 10-6, 20 05

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>October 13, 2005</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN # <u>51347</u> Work Order (WO) <u>03-008315-007</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>
<p>4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5 (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B452-1470 (20")	TVA	N/A	N/A	RHR-1-H-045	2005	Installed	No
1-47B452-1473 (20")	TVA	N/A	N/A	RHR-1-H-047	2005	Installed	No
1-47B452-1478 (20")	TVA	N/A	N/A	RHR-1-H-050	2005	Installed	No
1-47B452-1481 (4")	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Modify supports on RHR System (074) per DCN 51347 and PER 77006.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date October 14, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/19/05 to 10/14/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Morton Weisell
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date Oct 14, 20 05

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 July 20, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51353 Work Order (WO) 03-008316-001
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-261	TVA	N/A	N/A	H-193	2004	Installed	No
1-47B468-262	TVA	N/A	N/A	H-118	2004	Installed	No

7. Description of Work Modify large bore (6-inch diameter) supports for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

wo# 03-008316-001

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/20, 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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/14/03 to 7/20/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN2534

National Board, State, Province, and Endorsements

Date 7/20, 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 1, 2004
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51353 Work Order (WO) 03-008316-002
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 (CRD) / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B468-264	TVA	N/A	N/A	Old ID H-117	2004	Installed	No
1-47B468-265	TVA	N/A	N/A	Old ID H-427	2004	Installed	No
1-47B468-267	TVA	N/A	N/A	Old ID H-177	2004	Installed	No

7. Description of Work Modify pipe supports in Reactor Building for System 085 Control Rod Drive.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 28, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-16-03 to 06-30-07, 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.

Harold P. Bell
Inspector's Signature

Commissions

AL 10163 BL
National Board, State, Province, and Endorsements

Date 06-30 20 07

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 July 20, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-003
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-336	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B468-337	TVA	N/A	N/A	N/A	2004	Installed	No
1-47B468-426	TVA	N/A	N/A	N/A	2004	Installed	No

7. Description of Work Modify small bore (2-inch diameter) supports for Control Rod Drive (CRD) System (085) per DCN 51353.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

WO# 03-008316-003

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 Eben B..., ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/20, 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 Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 10/22/03 to 7/20/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh
Inspector's Signature

Commissions

TN2534

National Board, State, Province, and Endorsements

Date

7/20

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 August 30, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-004
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-256	TVA	N/A	N/A	H-114 (Old ID)	2004	Removed old Installed new	No
1-47B468-257	TVA	N/A	N/A	H-115 (Old ID)	2004	Installed	No
1-47B468-259	TVA	N/A	N/A	H-116 (Old ID)	2004	Removed old Installed new	No
1-47B468-259-1A	TVA	N/A	N/A	H-116 (Old ID)	2004	Installed	No

7. Description of Work Modify large bore supports for Control Rod Drive (CRD) System (085) per DCN 51353.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Eda Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/30, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 9-29-2003 to 8-30-2004, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 8-30, 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 August 31, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-005
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B468-258	TVA	N/A	N/A	H-186 (Old ID)	2004	Installed	No
1-47B468-274	TVA	N/A	N/A	H-185 (Old ID)	2004	Installed	No
1-47B468-260	TVA	N/A	N/A	H-183 (Old ID)	2004	Installed	No
1-47B468-277	TVA	N/A	N/A	H-189 (Old ID)	2004	Installed	No

7. Description of Work Modify supports (6" dia. West Scram Discharge Header) for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks _____

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/31, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 9-23-2003 to 9-1-2004, 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.

Curtis A. Pyle
Inspector's Signature

Commissions

NS-1076

National Board, State, Province, and Endorsements

Date 9-1, 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 October 6, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-006
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B468-290	TVA	N/A	N/A	H-120	2004	Installed	No
1-47B468-293	TVA	N/A	N/A	H-422	2004	Installed	No
1-47B468-289	TVA	N/A	N/A	H-157	2004	Installed	No
1-47B468-291	TVA	N/A	N/A	H-155	2004	Installed	No

7. Description of Work Modify supports for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/6, 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 NC and employed by HSB CT of

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/22/03 to 11/1/04, 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.

Anders Wall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date Nov. 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 October 27, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-007
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-292	TVA	N/A	N/A	47B1349-15	2004	Installed	No
1-47B468-294	TVA	N/A	N/A	47B1349-17	2004	Installed	No
1-47B468-295	TVA	N/A	N/A	47B1349-10	2004	Installed	No
1-47B468-297	TVA	N/A	N/A	47B1349-8	2004	Installed	No

7. Description of Work Modify piping supports for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Elton Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/27, 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 NC and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period OCT 27/03 to OCT 29/04, 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.

Gordon Westfall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date OCT 29, 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 <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>October 6, 2004</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51353</u> Work Order (WO) <u>03-008316-008</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B468-253	TVA	N/A	N/A	H-451	2004	Corrected	No
1-47B468-282	TVA	N/A	N/A	H-421	2004	Corrected	No
1-47B468-283	TVA	N/A	N/A	H-122	2004	Corrected	No
1-47B468-284	TVA	N/A	N/A	H-150	2004	Corrected	No
1-47B468-305	TVA	N/A	N/A	H-189	2004	Corrected	No

7. Description of Work Modify supports for Control Rod Drive (CRD) System (085) per DCN 51353.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks _____

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 Elon Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/6, 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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-23-2003 to 10-14-2004, 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.

Curtis A. Deale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 10-14, 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 October 6, 2004
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN # 51353 Work Order (WO) 03-008316-009
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 085, Control Rod Drive (CRD) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B468-285	TVA	N/A	N/A	47A1349-19 (H-123A)	2004	Corrected	No
1-47B468-286	TVA	N/A	N/A	47A1349-6 (H-152)	2004	Corrected	No
1-47B468-287	TVA	N/A	N/A	47A1349-38 (H-161)	2004	Corrected	No

7. Description of Work Modify supports for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burns JSI Program Engineer
Owner or Owner's Designee, Title

Date 10/6, 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 NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/4/03 to 10/20/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Anderson Whitall
Inspector's Signature

Commissions

NC #1525
National Board, State, Province, and Endorsements

Date Oct. 20 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 January 6, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51353 Work Order (WO) 03-008316-010
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 (CRD) System / ASME Code Class 2 equivalent
 (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
 (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)
1-47B468-271	TVA	N/A	N/A	47B1349-37 (H-431)	2004	Installed	No
1-47B468-272	TVA	N/A	N/A	47B1349-36 (H-430)	2004	Installed	No
1-47B468-301	TVA	N/A	N/A	47A1349-96 (H-433)	2004	Installed	No
1-47B468-302	TVA	N/A	N/A	47A1349-95 (H-432)	2004	Installed	No

7. Description of Work Modify supports for Control Rod Drive (CRD) System (085) per DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks

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 Ethan Burras, ISI Program Engineer
Owner or Owner's Designee, Title

Date 1/6, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/5/03 to 1/10/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Arden McCall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date JAN. 10 20 05

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>October 17, 2003</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> Design Change Notice (DCN) <u>51353</u> , Work Order (WO) <u>03-008316-011</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No., Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	

4. Identification of System System 085, Control Rod Drive Hydraulic System (ASME Code Class 2 equivalent)

Design Criteria BFN-50-C-7107

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)
47A1349-98, 2" pipe support	TVA	N/A	N/A	H-435	N/A	Removed	No

7. Description of Work Remove support H-435 from the CRD system.

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-C-7105.

FORM NIS-2 (Back)

9. Remarks _____

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 John T. Lewis, ISI Engineer
Owner or Owner's Designee, Title

Date Dec. 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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 11-5-2003 to 12-23-2004, 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.

Curtis R. Dale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 12-23, 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 July 17, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN# 51353 Work Order (WO) 03-008316-014
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 Systems 085, Control Rod Drive (CRD), ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
47B1349-32	TVA	N/A	N/A	N/A	2004	Removed	No
1-47B468-293	TVA	N/A	N/A	N/A	2005	Corrected	No
1-47B468-258	TVA	N/A	N/A	N/A	2004	Corrected	No

7. Description of Work Deleted one support and modified dimensions of 2 supports.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Inickel, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 17, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-13-03 to 07-27-07, 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.

Harold Eniel
Inspector's Signature

Commissions

AL104638L
National Board, State, Province, and Endorsements

Date 07-27 20 07

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 October 12, 2005
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN# 51353 Work Order (WO) 03-008316-019
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 Systems 085, Control Rod Drive (CRD) / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
(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)
1-47B468-257	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-259	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-260	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-272	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-290	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-291	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-294	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B468-297	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Modify supports in accordance with PER 77006 and DCN 51353.
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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis

ISI Program Engineer

Owner or Owner's Designee, Title

Date

October 12

, 20

05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-15-2005 to 10-12-2005, 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.

Antio A. R. R.

Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

10-12

20

05

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 March 14, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51343 Work Order (WO) 03-008332-001
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B458-121	TVA	N/A	N/A	R-40	2006	Removed	No

7. Description of Work Removal only of support.
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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 3/14, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-12-04 to 3-15-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Hawes E. Lee
Inspector's Signature

Commissions

N/A
National Board, State, Province, and Endorsements

Date 03-15 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>June 12, 2006</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51343 Work Order (WO) 03-008332-002</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 073, High Pressure Core Injection (HPCI) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition. <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B455-52	TVA	N/A	N/A	Old ID R-12	2006	Installed	No
1-47B455-54 (including Snubber)	TVA/ Bergen Patterson	42597**	N/A	Old ID R-53 1-SNUB-073-5020	2006	Installed	No
1-47B455-55 (including Snubbers)	TVA/ Bergen Patterson	42798** 42799**	N/A	Old ID R-52 1-SNUB-073-5021 1-SNUB-073-5022	2006	Installed	No
1-47B455-732	TVA	N/A	N/A	Old ID R-51	2006	Installed	No
1-47B455-733	TVA	N/A	N/A	Old ID R-49A & R-49B	2006	Installed	No
1-47B455-750	TVA	N/A	N/A	Old ID R-58	2006	Installed	No

7. Description of Work Modify supports.
**Snubbers are supplied by Bergen Power (testing and final installation by WO# 04-712221-000 (-5020),
04-712218-000 (-5021), and 04-712219-000 (-5022)).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 for Inservice Inspection of Snubbers applies to this Work Order.
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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date May 30, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-23-2004 to 5-30-2007, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-30 20 07

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 March 10, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51343 Work Order (WO) 03-008332-003
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 073, HPCI System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B455-39	TVA	**42701	N/A	1-SNUB-073-5023	2006	Installed	No
1-47B455-49	TVA	**42665 **42664	N/A	1-SNUB-073-5024 1-SNUB-073-5025	2006	Installed	No
1-47B455-50	TVA	**42736	N/A	1-SNUB-073-5026	2006	Installed	No
1-47B455-725	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-728	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify 2" diameter supports on the HPCI System. **Snubbers supplied by Bergen Power, final installation and testing in WO#: 04-712132-000 (-5023), 04-712215-000 (-5024), 04-712214-000 (-5025), and 04-712212-000 (-5026).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 for Inservice Inspection of Snubbers applies to this Work Order.
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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date May 31, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-24-2005 to 5-31-2007, 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.

Curtis A. Pade
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-31, 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>May 29, 2007</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51343</u> <u>Work Order (WO) 03-008332-007</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No. Job No. etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-3004 (30")	TVA	N/A	N/A	Old ID H-346	2006	Installed	No
1-47B452-3005 (24")	TVA	N/A	N/A	Old ID R-79	2006	Installed	No
1-47B452-3008 (6")	TVA	N/A	N/A	Old ID H-187A	2006	Installed	No

7. Description of Work Modified supports.

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 Purchase Contracts and applicable Design Criteria.

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

Charles Driskell

ISI Program Engineer

Date

MAY 29

, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 2-11-2005 to 5-29-2007, 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.

Curtis A. Dole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

5-29

20

07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>September 11, 2006</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51343</u> <u>Work Order (WO) 03-008332-008</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 073, HPCI System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B455-2040 (2")	TVA	N/A	N/A	None	2006	Installed	No

7. Description of Work Modify support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date Sept. 11, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-26-2005 to 9-11-2006, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 9-11, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date May 29, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51343 Work Order (WO) 03-008332-010
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 073, HPCI System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B455-73 (14")	TVA	N/A	N/A	1947-2 R-37	2006	Installed	No
1-47B455-745 (14")	TVA	N/A	N/A	47A455-88 H-37	2006	Installed	No
1-47B455-746 (16")	TVA	N/A	N/A	47B455-40 R-57	2006	Installed	No
1-47B455-747 (16")	TVA	**42702	N/A	1-SNUB-073-5027			
		N/A	N/A	47A455-90 H-39	2006	Installed	No

7. Description of Work Modified supports. **Snubber supplied by Bergen Power, final installation and testing in WO#: 04-712208-000 (-5027).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 utilized.

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 Charles Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 29, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 07-27-05 to 05-30-07, 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.

Hansel E. Iel
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-30 20 07

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

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <div style="text-align: center;"><small>Address</small></div> <u>Chattanooga, TN 37402-2801</u>	Date <u>May 30, 2007</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Unit <u>1</u> <u>DCN 51343</u> <u>Work Order (WO) 03-008332-011</u> <div style="text-align: center;"><small>Repair/Replacement Organization P.O. No., Job No., etc.</small></div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 071, RCIC, and System 073, HPCI / ASME Code Class 2 equivalent</u> <div style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B456-58 (RCIC)	TVA	N/A	N/A	Old ID R-23	2006	Installed	No
1-47B455-78 (HPCI)	TVA & Bergen Power	Snubbers 42599** 42598**	N/A	Old ID R-56 1-SNUB-073-5028 1-SNUB-073-5029	2006	Installed	No
1-47B456-95 (RCIC)	TVA	N/A	N/A	Old ID R-61	2006	Installed	No
1-47B456-97 (RCIC)	TVA & Bergen Power	Snubbers 42703** 42704**	N/A	Old ID R-4 1-SNUB-071-5029 1-SNUB-071-5030	2006	Installed	No

7. Description of Work Modified supports.
**Snubbers supplied by Bergen Power, final installation and testing in WO 04-712216-000 (-073-5028),
WO 04-712217-000(-073-5029), WO 04-712194-000 (-071-5029), and WO 04-712196-000 (-071-5030).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Relief Request 1-ISI-18 utilized.

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 Charles Diske, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 30, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-23-2005 to 5-30-2007, 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.

Curtis A. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 5-30 20 07

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 April 17, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51343 Work Order (WO) 03-008332-014
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67* Edition, N/A Addenda, N/A Code Case N/A
- (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)
1-47B458-617	TVA	N/A	N/A	R-29	2006	Installed	No
1-47B458-624	TVA	N/A	N/A	R-25	2006	Installed	No

7. Description of Work Modify supports.
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 Purchase Contracts and applicable Design Criteria.

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 *Elton Burton* ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/20, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-25-05 to 4-24-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Hill
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 04-24 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>April 19, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51343</u> Work Order (WO) <u>03-008332-015</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67*</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B455-2024 (2")	TVA	N/A	N/A	(Old ID R-66)	2006	Installed	No

7. Description of Work Modify piping support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date April 19, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described

in this Owner's Report during the period 7-28-2005 to 11-20-2006, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 11-20, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date February 28, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN # 51343 Work Order (WO) 03-008332-018
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
- (Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A
- (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)
1-47B452-3245 (6" pipe support)	TVA	N/A	N/A	(Old ID H-215C)	2006	Installed	No

7. Description of Work Modify pipe support.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date Feb. 28, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut

have inspected the components described in this Owner's Report during the period 1-20-2005 to 3-2-2006, 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.

Curtis E. Dale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 3-2- 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>November 14, 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN # <u>51343</u> Work Order (WO) <u>03-008332-019</u> <div style="text-align: center;"><small>Repair/Replacement Organization P.O. No. Job No., etc.</small></div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	

4. Identification of System System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent

(Supports) Design Criteria BFN-50-C-7107

5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67 Edition*, N/A Addenda, N/A Code Case N/A

(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)
1-47B456-57 (6" pipe support w/snubbers)	TVA & Bergen Power	41805 41806	N/A	(Old ID R-22) BFR-1-SNUB-071-5027 BFR-1-SNUB-071-5028	2005	Installed	No

7. Description of Work Modify pipe support 1-47B456-57 as shown in DCN 51343, which includes two snubbers.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

*as amended by additional quality assurance requirements found in Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Snubber testing in WO 04-712197-000.

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 Eric Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 11/14, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-24-2005 to 11-16-2005, 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.

Justin A. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 11-16, 20 05

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 30, 2007</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN # <u>51343</u> Work Order (WO) <u>03-008332-020</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>
<p>4. Identification of System <u>System 075, Core Spray (CS) System / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;">(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B458-134 (3" pipe support)	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Modified pipe support.

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 Purchase Contracts and applicable Design Criteria.

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 Charles D. Isbell, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 30, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 01-27-05 to 05-30-07, 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.

Harold C. Bell
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 05-30 20 07

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 14, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51343 Work Order (WO) 03-008332-022
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
5. (a) Applicable Construction Code (Piping) USAS B31.1.0 19 67' Edition, N/A Addenda, N/A Code Case N/A
 (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)
1-47B452-91 (30")	TVA	N/A	N/A	Old ID H-151	2006	Installed	No
1-47B452-3237 (24")	TVA	N/A	N/A	Old ID R-195	2006	Installed	No

7. Description of Work Modify supports.

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 Purchase Contracts and applicable Design Criteria.

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 [Signature] ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/14, 20 06

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-21-2005 to 6-20-2006, 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

MS-1076

National Board, State, Province, and Endorsements

Date 6-20 20 06

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 30, 2007</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN # <u>51343</u> Work Order (WO) <u>03-008332-023</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>
<p>4. Identification of System <u>System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u></p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B456-696 (6" pipe support)	TVA	N/A	N/A	(Old ID RCIC-1-H-30)	2006	Installed	No

7. Description of Work Modified pipe support.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Driskell, ISI Program Engineer
Owner or Owner's Designee, Title

Date MAY 30, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 02-02-05 to 05-30-07, 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.

Harold E. Ell
Inspector's Signature

Commissions

ALI0163BL
National Board, State, Province, and Endorsements

Date 05-30 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>August 21, 2006</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN # 51343 Work Order (WO) 03-008332-024</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 073, High Pressure Core Injection (HPCI) System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition*, <u>N/A</u> Addenda, <u>N/A</u> Code Case <u>N/A</u>	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B455-751 (16" pipe support)	TVA	N/A	N/A	Old ID H-38	2006	Installed	No
1-47B455-2039 (2" pipe support)	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify pipe supports.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Dushak, ISI Program Engineer
Owner or Owner's Designee, Title

Date AUGUST 24, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-01-05 to 08-24-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Alb
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 08-24, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>June 21, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51338</u> <u>WO 03-010978-002</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No. Job No. etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	

4. Identification of System System 063, Standby Liquid Control (SLC) System / ASME Code Class 2 equivalent

(Supports) Design Criteria BFN-50-C-7107

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)
1-47B462-128 (2-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-148 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-149 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-150 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify supports.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 *Elon Burns* ISI Program Engineer
Owner or Owner's Designee Title

Date 6/21, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 4-29-2004 to 6-22-2006, 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.

Curtis A. Pele
Inspector's Signature

Commissions

MS-1076

National Board, State, Province and Endorsements

Date 6-22, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date April 16, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51338 WO 03-010978-003
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 063, Standby Liquid Control (SLC) System / ASME Code Class 1 & 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
ASME Class 1 support 1-47B462-137 (3/4")	TVA	N/A	N/A	N/A	2006	Remove Old/ Install New	No
ASME Class 1 support 1-47B462-138 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
ASME Class 1 support 1-47B462-139 (3/4")	TVA	N/A	N/A	N/A	2006	Remove Old/ Install New	No
ASME Class 2 support 1-47B462-140 (1-1/2")	TVA	N/A	N/A	N/A	2006	Remove Old/ Install New	No

7. Description of Work Installed / modified supports.
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 Purchase Contracts and applicable Design Criteria.

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 April 16, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51338 WO 03-010978-003
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 063, Standby Liquid Control (SLC) System / ASME Code Class 1 & 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
ASME Class 2 support 1-47B462-142 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
ASME Class 2 support 1-47B462-143 (1-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No
ASME Class 2 support 1-47B462-146 (1-1/2")	TVA	N/A	N/A	N/A	2006	Remove Old/ Install New	No
ASME Class 2 support 1-47B462-147 (1-1/2")	TVA	N/A	N/A	N/A	2006	Remove Old/ Install New	No

7. Description of Work Installed / modified supports.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Diushell, ISI Program Engineer
Owner or Owner's Designee, Title

Date APRIL 16, 20 07

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 05-19-04 to 04-17-07, 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.

Harold E. Bell
Inspector's Signature

Commissions

AL101632L

National Board, State, Province, and Endorsements

Date 04-17 20 07

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 21, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51338 WO 03-010978-004
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 063, Standby Liquid Control (SLC) System / ASME Code Class 2 equivalent
(Support) Design Criteria BFN-50-C-7107
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)
1-47B462-127 (2-1/2")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify support.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 *Elmer Burns* IST Program Engineer
Owner or Owner's Designee, Title

Date 6/21, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 8-24-2004 to 6-22-2006, 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.

Curtis R. Doyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province and Endorsements

Date 6-22, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date June 8, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51338 WO 03-010978-007
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 063, Standby Liquid Control (SLC) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B462-155	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-156	TVA	N/A	N/A	Old ID R-27	2006	Installed	No
1-47B462-157	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-158	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B462-160	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify small bore supports (1-1/2") on the Standby Liquid Control system.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 8, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 08-05-06 to 08-10-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL 46
National Board State, Province and Endorsements

Date JUNE 10 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>July 5, 2005</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51342</u> WO <u>03-010979-001</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>
<p>4. Identification of System <u>System 071, Reactor Core Isolation Cooling System / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case</p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B456-2027	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B456-2041	TVA	N/A	N/A	Old ID H-27	2005	Installed	No
1-47B456-2042	TVA	N/A	N/A	Old ID H-28	2005	Installed	No
1-47B456-2043	TVA	N/A	N/A	Old ID R-3	2005	Installed	No
1-47B456-2048	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install / modify large bore supports on the Reactor Core Isolation Cooling System.

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 Purchase Contracts and applicable Design Criteria

FORM NIS-2 (Back)

9. Remarks N/A

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 *Eden Burns* ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/5, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 4-21-2005 to 7-5-2005, 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.

Curtis R. Pote
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-5, 20 05

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 August 7, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51342 WO 03-010979-002
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 071, Reactor Core Isolation Cooling System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B456-2028	TVA	N/A	N/A	Old ID H-8	2006	Installed	No
1-47B456-2029	TVA	N/A	N/A	Old ID R-1	2006	Installed	No
1-47B456-2030	TVA	N/A	N/A	Old ID H-6	2006	Installed	No
1-47B456-2031	TVA	N/A	N/A	Old ID H-5	2006	Installed	No

7. Description of Work Install / modify large bore (6") supports on the Reactor Core Isolation Cooling System.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/14, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04-25-05 to 08-14-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Hansel E. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 08-14 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u>	Date <u>April 14, 2007</u> Sheet <u>1</u> of <u>2</u>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Unit <u>1</u> <u>DCN 51342</u> <u>WO 03-010979-003</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P O No Job No., etc.</div>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>System 071, Reactor Core Isolation Cooling System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95 Edition, 1996 Addenda</u>	

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)
RCIC-1-H-2	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B456-2036	TVA	N/A	N/A	N/A	2005	Installed	No
RCIC-1-H-25	TVA	N/A	N/A	N/A	N/A	Removed	No
1-47B456-2037	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Removed existing supports and installed new supports for 6" Reactor Core Isolation Cooling System piping.

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 Purchase Contracts and applicable Design Criteria.

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 Charles O'Connell, ISI Program Engineer
Owner or Owner's Designee Title

Date APRIL 14, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04-21-05 to 04-16-07, 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.

Harold E. O'Connell
Inspector's Signature

Commissions

AL101638L
National Board State, Province, and Endorsements

Date 04-16 20 07

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 August 7, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51342 WO 03-010979-004
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 071, Reactor Core Isolation Cooling System (RCIC) / ASME Code Class 1 and 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B456-2047 (4" Class 1)	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B456-2049 (6" Class 2)	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify large bore supports on the Reactor Core Isolation Cooling System.
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 Purchase Contracts and applicable Design Criteria.

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 Chen Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/22, 20 06

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 Mississippi or Province of Hartford, Connecticut and employed by HSB CT have inspected the components described in this Owner's Report during the period 4-21-2005 to 8-22-2006, 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.

Chen Burns
Inspector's Signature

Commissions

MS-1076

National Board, State, Province and Endorsements

Date 8-22, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date October 2, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51342 WO 03-010979-005
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 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B456-2032	TVA	N/A	N/A	Old ID H-4	2006	Installed	No
1-47B456-2033	TVA	N/A	N/A	Old ID H-3	2006	Installed	No
1-47B456-2034	TVA	N/A	N/A	Old ID H-2	2006	Installed	No
1-47B456-2035	TVA	N/A	N/A	Old ID H-1	2006	Installed	No

7. Description of Work Install / modify large bore supports (6" Class 2) on the Reactor Core Isolation Cooling System.

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 Purchase Contracts and applicable Design Criteria.

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 [Signature] ISI Program Engineer
Owner or Owner's Designee, Title

Date 10/2, 20 06

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04-29-05 to 10-03-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

AL46
National Board State, Province, and Endorsements

Date 10-03 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date February 8, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
Address DCN 51346 WO 03-010981-001
Repair/Replacement Organization P O No Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
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
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3065	TVA	N/A	N/A	RHR-1-R-022A	2005	Installed	No

7. Description of Work Install support.
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 Purchase Contracts and applicable Design Criteria.

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 Elio Burns ISI Program Engineer

Owner or Owner's Designee, Title

Date 2/8, 20 06

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 01-08-04 to 02-08-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deaton
Inspector's Signature

Commissions

TN 3178

National Board State, Province, and Endorsements

Date 2/08 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date September 9, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51346 WO 03-010981-002
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3066	TVA	N/A	N/A	RHR-1-H-109	2006	Installed	No
1-47B452-3067	TVA	N/A	N/A	RHR-1-H-108	2006	Installed	No
1-47B452-3068	TVA	N/A	N/A	RHR-1-R-21A	2006	Installed	No
1-47B452-3069	TVA	N/A	N/A	RHR-1-R-111	2006	Installed	No

7. Description of Work Modify RHR supports.

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 Purchase Contracts and applicable Design Criteria.

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 Eben Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 9/10, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 1-7-2004 to 9-10-2006, 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.

Curtis R. Poole
Inspector's Signature

Commissions

MS-1076

National Board State Province, and Endorsements

Date 9-10, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 21, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
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
4. Identification of System System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3202 (and IA)	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify RHR support 1-47B452-3202 and Integral Attachment on RHR Pump A Suction Line.

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 Purchase Contracts and applicable Design Criteria.

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 Chas Burns ISI Program Engineer
Owner or Owner's Designee Title

Date 8/21, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 01-05-04 to 08-23-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. [Signature]
Inspector's Signature

Commissions

N 46
National Board State Province, and Endorsements

Date 08-23 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date January 23, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51346 WO 03-010981-004
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3209	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B452-3210	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Modify RHR supports.
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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis
Owner or Owner's Designee, Title

Date

January 23, 20 06

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05/25/04 to 01/25/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deaton
Inspector's Signature

Commissions

TN 3178

National Board, State, Province, and Endorsements

Date

1/25 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date June 6, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51346 WO 03-010981-005
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 074, RHR / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3220	TVA	N/A	N/A	Old ID RHR-1-H-211	2006	Installed	No

7. Description of Work Modify support.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee Title

Date 6/13, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 5-7-2004 to 6-13-2006, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 6-13 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date February 3, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Address
DCN 51346 WO 03-010981-008
Repair/Replacement Organization P O No. Job No. etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 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
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452R0023	TVA	N/A	N/A	None	N/A	Removed	No

7. Description of Work Remove one support member.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee Title

Date February 3, 20 06

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 ALABAMA and employed by HSB CT of Connecticut

have inspected the components described in this Owner's Report during the period 05/25/04 to 03/02/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL 46

National Board, State, Province, and Endorsements

Date 03/02 20 06

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></p>	<p>Date <u>September 8, 2006</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51346</u> WO <u>03-010981-010</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>
<p>4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case</p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B452-3062	TVA	N/A	N/A	RHR-1-H-013	2006	Installed	No
1-47B452-3077	TVA	Bergen Power 42513**	N/A	RHR-1-H-020 1-SNUB-074-5072	2006	Installed	No
H-16	TVA	N/A	N/A	N/A	2006	Removed	No
D.P.-615	TVA	N/A	N/A	N/A	2006	Removed	No

7. Description of Work Modify RHR supports. Two supports are removal only.

**Snubber to be installed and tested in WO 04-712131-000.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Berman, ISI Program Engineer

Owner or Owner's Designee, Title

Date 9/10, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 6-17-2004 to 9-10-2006, 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.

Curtis R. Bole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 9-10, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 25, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51346 WO 03-010981-011
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3080 (24")	TVA	N/A	N/A	None	N/A	Installed	No
RHR-1-R-021A (20")	TVA	N/A	N/A	None	N/A	Removed	No
1-47B452-3212 (4")	TVA	N/A	N/A	None	N/A	Installed	No

7. Description of Work Modify/add/delete piping supports on RHR system.

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 Purchase Contracts and applicable Design Criteria.

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 Elton Burns ISI Program Engineer

Date 8/25, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 6-7-2004 to 8-25-2006, 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.

Curtis A. Pade
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 8-25, 20 06

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>October 19, 2005</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p><u>DCN 51346</u> <u>WO 03-010981-013</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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent

(Supports) Design Criteria BFN-50-C-7107

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)
H-14 (24" support)	TVA	N/A	N/A	47A452-55	N/A	Removed	No
H-15 (24" support)	TVA	N/A	N/A	47A452-56	N/A	Removed	No
H-17 (24" support)	TVA	N/A	N/A	47A452-58	N/A	Removed	No
1-47B452-3000	TVA	N/A	N/A	N/A	N/A	Removed	No

7. Description of Work Supports removed from service and abandoned in place.

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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee Title

Date October 19, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 11-22-04 to 10-19-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deane
Inspector's Signature

Commissions

TN 256

National Board, State, Province and Endorsements

Date 10/19 20 05

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 13, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51349 WO 03-010982-001
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-807	TVA	N/A	N/A	Old ID H-1	2005	Installed	No
1-47B458-808	TVA	N/A	N/A	Old ID H-2	2005	Installed	No
1-47B458-809	TVA	N/A	N/A	Old ID R-3	2005	Installed	No
1-47B458-810	TVA	N/A	N/A	Old ID H-3	2005	Installed	No

7. Description of Work Install / modify large bore supports on the Core Spray System.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 23, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 12/15/03 to 6/23/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Arden Alford
Inspector's Signature

Commissions

NC # 1525

National Board, State, Province, and Endorsements

Date June 23, 20 05

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <div style="text-align: center; font-size: small;">Address</div> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>March 10 2005</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51349 WO 03-010982-002</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No. Job No. etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	

4. Identification of System System 075, Core Spray System / ASME Code Class 2 equivalent

(Supports) Design Criteria BFN-50-C-7107

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)
1-47B458-811	TVA	N/A	N/A	Old ID H-4	2005	Installed	No
1-47B458-812	TVA	N/A	N/A	Old ID R-4	2005	Installed	No
1-47B458-813	TVA	N/A	N/A	Old ID H-8	2005	Installed	No
1-47B458-815	TVA	N/A	N/A	Old ID H-6	2005	Installed	No

7. Description of Work Install / modify large bore (14") supports on the Core Spray System.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Robert T. Lewis SI Program Engineer
Owner or Owner's Designee, Title

Date MARCH 17, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period FEB 22, 2005 to MARCH 17, 2005, 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.

Fred C. Ouyang
Inspector's Signature

Commissions

ILL1005
National Board, State, Province and Endorsements

Date March 17 20 05

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>June 23, 2005</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>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p><u>DCN 51349</u> <u>WO 03-010982-003</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>
<p>4. Identification of System <u>System 075, Core Spray System / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;">(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B458-816	TVA	N/A	N/A	47B458-44 (R-5)	2005	Installed	No
1-47B458-817	TVA	N/A	N/A	47B458-45 (H-7)	2005	Installed	No
1-47B458-818	TVA	N/A	N/A	47B458-131 (R-48)	2005	Installed	No
1-47B458-819	TVA	N/A	N/A	47B458-324 (R-22)	2005	Installed	No
1-47B458-821	TVA	N/A	N/A	47B458-89 (H-11)	2005	Installed	No

7. Description of Work Install / modify supports on the Core Spray System.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Ethan Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/23, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 12/10/03 to 6/24/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon Albrecht
Inspector's Signature

Commissions

NC # 1505
National Board, State, Province and Endorsements

Date June 24 20 05

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>June 15, 2005</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p><u>DCN 51349</u> <u>WO 03-010982-004</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>
<p>4. Identification of System <u>System 075, Core Spray System / ASME Code Class 2 equivalent</u></p>	
<p style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B458-822	TVA	N/A	N/A	Old ID H-8	2005	Installed	No
1-47B458-823	TVA	N/A	N/A	Old ID H-76	2005	Installed	No
1-47B458-824	TVA	N/A	N/A	Old ID R-6	2005	Installed	No
1-47B458-825	TVA	N/A	N/A	Old ID H-74	2005	Installed	No
1-47B458-826	TVA	N/A	N/A	Old ID H-74	2005	Installed	No
1-47B458-827	TVA	N/A	N/A	Old ID H-78	2005	Installed	No
1-47B458-828	TVA	N/A	N/A	Old ID H-78	2005	Installed	No

7. Description of Work Install / modify large bore supports on the Core Spray System.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date June 22, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 12/17/03 to 6/22/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon W. Hall
Inspector's Signature

Commissions

NC# 1525

National Board, State, Province, and Endorsements

Date June 22, 20 05

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 July 8, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51349 WO 03-010982-006
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-837	TVA	N/A	N/A	47B458-49	2005	Installed	No
1-47B458-838	TVA	N/A	N/A	47B458-57 and 47B458-60	2005	Installed	No
1-47B458-839	TVA	N/A	N/A	47B458-86	2005	Installed	No
1-47B458-842	TVA	N/A	N/A	47B458-334	2005	Installed	No
1-47B458-843	TVA	N/A	N/A	47B458-90	2005	Installed	No
1-47B458-840	TVA	N/A	N/A	47B458-51	2005	Installed	No

7. Description of Work Install / modify piping supports on the Core Spray System.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date 7-8, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 11/24/03 to 7/8/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Flinn
Inspector's Signature

Commissions

TN 4011

National Board State, Province, and Endorsements

Date 7/8 20 05

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 July 7, 2007
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51349 WO 03-010982-007
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 075, Core Spray System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-954 (12")	TVA	N/A	N/A	H-21	2006	Installed	No
1-47B458-955 (14")	TVA	N/A	N/A	H-22	2006	Installed	No
1-47B458-956 (14")	TVA	N/A	N/A	R-10	2006	Installed	No
1-47B458-957 (14")	TVA	N/A	N/A	H-23	2006	Installed	No

7. Description of Work Modify piping supports.

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 Purchase Contracts and applicable Design Criteria.

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 Charles Irishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 7, 20 07

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 Mississippi and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-4-2003 to 7-7-2007, 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.

Curtis R. Doole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 7-7, 20 07

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 7, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51349 WO 03-010982-008
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-959	TVA	N/A	N/A	Old ID R-11	2005	Removed old Installed new	No
1-47B458-960	TVA	N/A	N/A	Old ID H-25	2005	Removed old Installed new	No
1-47B458-962	TVA	N/A	N/A	Old ID H-26	2005	Installed	No

7. Description of Work Modify piping supports.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 *Elon Burr*, ISI Program Engineer
Owner or Owner's Designee Title

Date 12/7, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of TENNESSEE and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 12-22-03 to 12-09-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

George Deaton
Inspector's Signature

Commissions

TN 3178

National Board State, Province, and Endorsements

Date 12-09, 20 05

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 17, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51349 WO 03-010982-009
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 075, Core Spray System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-964	TVA	N/A	N/A	H-75	2005	Installed	No
1-47B458-965	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-966	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-967	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-968	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-969	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install / modify supports on the Core Spray System.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 *Elmer Burns* ISI Program Engineer
Owner or Owner's Designee Title

Date 6/23, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 12-15-2003 to 6-23-2005, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board State, Province and Endorsements

Date 6-23- 20 05

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 April 11, 2005
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Name
Address DCN 51349 WO 03-010982-010
Repair/Replacement Organization P. O. No. Job No. etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Name
Address Authorization No. N/A
Expiration Date N/A
4. Identification of System System 075, Core Spray System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-963	TVA	N/A	N/A	47B458-137 (H-28)	2005	Installed	No
1-47B458-970	TVA	N/A	N/A	47B458-48 (R-12)	2005	Installed	No
1-47B458-971	TVA	N/A	N/A	47B458-136 (H-27)	2005	Installed	No
1-47B458-974	TVA	N/A	N/A	47B458-138 (H-31)	2005	Installed	No

7. Description of Work Install / modify supports on the Core Spray System.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Ethan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 4/11, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 12/15/03 to 4/12/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

London Westall
Inspector's Signature

Commissions

NC# 1525
National Board, State, Province, and Endorsements

Date April 12 20 05

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 16, 2005
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51349 WO 03-010982-011
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 075, Core Spray System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B458-975	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-976	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-977	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-978	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-979	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-980	TVA	N/A	N/A	N/A	2005	Installed	No
1-47B458-981	TVA	N/A	N/A	N/A	2005	Installed	No

7. Description of Work Install / modify supports on the Core Spray System.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Ethan Burras, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/16, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 12/10/03 to 6/17/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Gordon Whistall
Inspector's Signature

Commissions

NC # 1525
National Board, State, Province, and Endorsements

Date June 17 20 05

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>July 25, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51349</u> <u>WO 03-010982-018</u> <div style="text-align: center; font-size: x-small;">Repair/Replacement Organization P.O. No., Job No., etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 075, Core Spray System / ASME Code Class 2 equivalent</u>	
(Supports) Design Criteria BFN-50-C-7107	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B458-808	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-809	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-822	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-823	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-825	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-839	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-856	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-859	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify piping supports.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Eben Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 7/27, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 6-20-2005 to 7-27-2006, 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.

Curtis E. Dade
Inspector's Signature

Commissions MS-1076
National Board State, Province and Endorsements

Date 7-27, 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>March 1, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51349</u> WO <u>03-010982-019</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No. etc</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 075, Core Spray System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0 19 67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 95 Edition, 1996 Addenda</u>	

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)
1-47B458-963 (10")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-974 (12")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B458-976 (3")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify piping supports.

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 Purchase Contracts and applicable Design Criteria.

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 Eha Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 6/8, 20 07

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 11-21-2005 to 6-11-2007, 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.

Curtis A. Poole
Inspector's Signature

Commissions

MS-1076

National Board State Province, and Endorsements

Date 6-11 20 07

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 October 26, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51414 WO # 03-011239-007
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2180 (2")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No
1-47B455-2181 (2")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No
1-47B455-2183 (2")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No
1-47B455-2176-11 (2")	TVA	N/A	N/A	N/A	2006	Removed	No

7. Description of Work Replace three piping supports (1-47B455-2180, 2181, and 2183).
Removed one piping support (1-47B455-2176-11).
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Charles Dinkel, ISI Program Engineer
Owner or Owner's Designee, Title

Date OCTOBER 26, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 07-26-04 to 10-26-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Smith
Inspector's Signature

Commissions

AL46
National Board State Province, and Endorsements

Date 10-26 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date November 1, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51414 WO # 03-011239-011
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2184 (2")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No
1-47B455-2211 (2")	TVA	N/A	N/A	N/A	2006	Removed old Installed new	No

7. Description of Work Remove old supports and replace with new supports.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 John T. Lewis ISI Program Engineer
Owner or Owner's Designee, Title

Date Nov. 2, 20 06

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 Mississippi or Province of Connecticut and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3-7-2005 to 11-2-2006, 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.

Curtis E. Poole
Inspector's Signature

Commissions MS-1076

National Board State, Province, and Endorsements

Date 11-2 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <small style="margin-left: 100px;">Name</small> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <small style="margin-left: 100px;">Address</small>	Date <u>October 24, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51414</u> <u>WO # 03-011239-022</u> <small style="margin-left: 100px;">Repair/Replacement Organization P. O. No. Job No. etc.</small>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <small style="margin-left: 100px;">Name</small> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <small style="margin-left: 100px;">Address</small>	
4. Identification of System <u>System 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent</u>	
<small>(Supports) Design Criteria BFN-50-C-7107</small>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> <u>19</u> <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19</u> <u>95 Edition, 1996 Addenda</u>	

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)
1-47B455-2176-14 (2")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2176-13 (2")	TVA	N/A	N/A	N/A	2006	Removed	No
1-47B455-2176-16 (2")	TVA	N/A	N/A	N/A	2006	Removed	No
1-47B455-2176-17 (2")	TVA	N/A	N/A	N/A	2006	Removed	No
1-47B455-2176-18 (2")	TVA	N/A	N/A	N/A	2006	Removed	No
1-47B455-2176-19 (2")	TVA	N/A	N/A	N/A	2006	Removed	No

7. Description of Work	<u>Modify one piping support (-14).</u> <u>Removal only of five piping supports (-13, -16, -17, -18, and -19).</u>
8. Tests Conducted:	Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Other <input type="checkbox"/> Pressure <u>N/A</u> psi Test Temp. <u>N/A</u> °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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Charles D. Dinkel, ISI Program Engineer

Date OCTOBER 25, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 3-14-2005 to 10-26-2006, 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.

Curtis R. F. Dale
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 10-26 20 06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>November 13, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51414</u> WO # <u>03-011239-023</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>
<p>4. Identification of System <u>System 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent</u></p> <p style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67 *</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B455-2176-22 (2")	TVA	N/A	N/A	N1-173-67R-0022	2006	Corrected	No

7. Description of Work Modify piping support 1-47B455-2176-22.

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Charles Oriskell, ISI Program Engineer
Owner or Owner's Designee Title

Date NOVEMBER 13, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 03-14-05 to 11-18-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. [Signature]
Inspector's Signature

Commissions

AL46

National Board, State, Province and Endorsements

Date 11-18 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date November 30, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51414 WO # 03-011239-029
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2196-03	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-04	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-05	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-06	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-08	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-10	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2196-11	TVA	N/A	N/A	N/A	2006	Removed	No
1-47B455-2191	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-3252	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-3253	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Modify / remove 2" piping supports.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks N/A

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 Elan Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 12/01, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 06-23-05 to 12-05-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Lee
Inspector's Signature

Commissions

AL46
National Board State Province and Endorsements

Date 12-05 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date October 30, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-002
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2130	TVA	N/A	N/A	Old ID H-1	2006	Installed	No
1-47B455-2131	TVA	N/A	N/A	Old ID H-2	2006	Installed	No
1-47B455-2132	TVA	N/A	N/A	Old ID H-3	2006	Installed	No
1-47B455-2134	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2135	TVA	N/A	N/A	Old ID R-5	2006	Installed	No

7. Description of Work Install / modify supports.
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 Purchase Contracts and applicable Design Criteria.

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/ACertificate of Authorization No. N/AExpiration Date N/ASigned Ethan Baum ISI Program EngineerDate 11/7, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 5-3-2004 to 11-7-2006, 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.

Curtis A. Deane
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date

11-7

20

06

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>September 13, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51344</u> Work Order (WO) <u>03-013930-003</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>
<p>4. Identification of System <u>System 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria <u>BFN-50-C-7107</u></p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B455-2137	TVA	N/A	N/A	Old ID R-4	2006	Installed	No
1-47B455-2138	TVA	N/A	N/A	Old ID H-25	2006	Installed	No
1-47B455-2140	TVA	N/A	N/A	Old ID H-27	2006	Installed	No

7. Description of Work Install / modify supports.

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 Purchase Contracts and applicable Design Criteria.

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

Elan Burns

ISI Program Engineer

Date

6/8

, 20

07

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 09-23-04 to 06-14-07, 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.

Harold Rich

Inspector's Signature

Commissions

AL1016384

National Board, State, Province, and Endorsements

Date

06-14 20 07

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 July 19, 2007
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-004
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
- (Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2145	TVA	N/A	N/A	Old ID 1-H-28	2006	Installed	No
1-47B455-2146	TVA	N/A	N/A	Old ID 1-H-29	2006	Installed	No
1-47B455-2147	TVA	N/A	N/A	Old ID 1-H-117	2006	Installed	No

7. Description of Work Installed / modified supports.
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 Purchase Contracts and applicable Design Criteria.

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 Charles Orishell, ISI Program Engineer
Owner or Owner's Designee, Title

Date JULY 19, 20 07

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 ALABAMA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 09-20-05 to 07-31-07, 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.

Hazel E. Eick
Inspector's Signature

Commissions

AL101638L
National Board, State, Province, and Endorsements

Date 07-31 20 07

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 August 1, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-005
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2257	TVA	N/A	N/A	Old ID 1-H-40	2006	Installed	No
1-47B455-2258	TVA	N/A	N/A	Old ID 1-R7	2006	Installed	No
1-47B455-2259	TVA	N/A	N/A	Old ID 1-H-41	2006	Installed	No

7. Description of Work Install / modify supports.

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 Purchase Contracts and applicable Design Criteria.

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 Eben Burns, ISI Program Engineer
Owner or Owner's Designee, Title

Date 8/22, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 9-26-2005 to 8-22-2006, 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.

Curtis E. Poole
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 8-22 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date September 19, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-006
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
H-42	TVA	N/A	N/A	None	N/A	Removed	No
1-47B455-2260	TVA	N/A	N/A	None	2006	Installed	No
R-8	TVA	N/A	N/A	None	N/A	Removed	No
1-47B455-2261	TVA	N/A	N/A	None	2006	Installed	No
H-43	TVA	N/A	N/A	None	N/A	Removed	No
1-47B455-2262	TVA	N/A	N/A	None	2006	Installed	No

7. Description of Work Replaced old support H-42 with new 1-47B455-2260. Replaced old support R-8 with new 1-47B455-2261. Replaced old support H-43 with new 1-47B455-2262.
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 Purchase Contracts and applicable Design Criteria.

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/ACertificate of Authorization No. N/AExpiration Date N/ASigned Charles Dinkel, ISI Program Engineer
Owner or Owner's Designee, TitleDate SEPTEMBER 19, 20 06**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 ALABAMA and employed by HSB CT of Connecticuthave inspected the components described in this Owner's Report during the period 10-08-05 to 09-20-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold C. Dinkel
Inspector's Signature

Commissions

AL46
National Board, State, Province, and EndorsementsDate 09-20 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 25, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-007
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2264	TVA	N/A	N/A	Old ID 47A455-56 H-5	2006	Installed	No
1-47B455-2265	TVA	N/A	N/A	Old ID 47A455-56 H-6	2006	Installed	No
1-47B455-2266	TVA	N/A	N/A	Old ID 47A455-56 H-7	2006	Installed	No
1-47B455-2267	TVA	N/A	N/A	Old ID 47A455-56 H-8	2006	Installed	No

7. Description of Work Install / modify supports.
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 Purchase Contracts and applicable Design Criteria.

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

John T. Lewis

ISI Program Engineer
Owner or Owner's Designee, Title

Date

August 29

, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 09-27-05 to 08-29-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Ell
Inspector's Signature

Commissions

AL46
National Board, State, Province, and Endorsements

Date

08-29 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date September 18, 2006
Name
1101 Market Street
Address
Chattanooga, TN 37402-2801
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51344 Work Order (WO) 03-013930-008
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2269 (14")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2270 (14")	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B455-2271 (14")	TVA	N/A	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify supports.
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 Purchase Contracts and applicable Design Criteria.

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 *Elmer Burns* ISI Program Engineer
Owner or Owner's Designee Title

Date 9/18, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 9-22-2005 to 9-19-2006, 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.

Curtis E. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 9-19 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date September 12, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51344 Work Order (WO) 03-013930-009
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 073, High Pressure Coolant Injection (HPCI) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B455-2272 (4")	TVA	N/A	N/A	Old ID H-46	2006	Installed	No
1-47B455-2273 (4")	TVA	N/A	N/A	Old ID H-47	2006	Installed	No

7. Description of Work Install / modify supports.
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 Purchase Contracts and applicable Design Criteria.

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 Eko Burns ISI Program Engineer
Owner or Owner's Designee, Title

Date 9/12, 20 06

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 Mississippi and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 9-23-2005 to 9-12-2006, 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.

Curtis A. Pyle
Inspector's Signature

Commissions

MS-1076

National Board, State, Province, and Endorsements

Date 9-12, 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 26, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 2 of 3
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Address
DCN 51344 Work Order (WO) 03-013930-013
Repair/Replacement Organization P.O. No. Job No., etc.
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Address
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
(Supports) Design Criteria BFN-50-C-7107
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)
HPCI R-2 (10")	TVA	N/A	N/A	Dwg. 1934-2	2006	Removed	No
HPCI R-3 (10")	TVA	N/A	N/A	Dwg. 1935-3	2006	Removed	No

7. Description of Work Remove supports.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 26, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 09-19-05 to 08-26-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold E. Smith
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 08-26 20 06

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

1. Owner Tennessee Valley Authority (TVA) Date August 26, 2006
1101 Market Street Name
Chattanooga, TN 37402-2801 Address
Sheet 1 of 2
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
P. O. Box 2000, Decatur, AL 35609-2000 Address
DCN 51344 Work Order (WO) 03-013930-014
Repair/Replacement Organization P O No. Job No. etc
3. Work Performed by TVA-BFN Type Code Symbol Stamp N/A
P. O. Box 2000, Decatur, AL 35609-2000 Address
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
(Supports) Design Criteria BFN-50-C-7107
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)
HPCI-R9 (14")	TVA	N/A	N/A	None	2006	Removed	No
47A455-98 (4")	TVA	N/A	N/A	Old ID H-47	2006	Removed	No
47A455-61 (14")	TVA	N/A	N/A	Old ID H-10	2006	Removed	No

7. Description of Work Remove supports.
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 Purchase Contracts and applicable Design Criteria.

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 John T. Lewis, ISI Program Engineer
Owner or Owner's Designee, Title

Date August 26, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 07-22-05 to 08-26-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Harold C. Lee
Inspector's Signature

Commissions

AL 46
National Board, State, Province, and Endorsements

Date 08-26 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center; font-size: small;">Name</div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center; font-size: small;">Address</div>	Date <u>February 14, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> DCN <u>51345</u> Work Order (WO) <u>03-013931-001</u> <div style="text-align: center; font-size: small;">Repair/Replacement Organization P.O. No., Job No., etc.</div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center; font-size: small;">Name</div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center; font-size: small;">Address</div>	
4. Identification of System <u>System 071, Reactor Core Isolation Cooling (RCIC) System / ASME Code Class 2 equivalent</u> <div style="text-align: center; font-size: small;">(Supports) Design Criteria BFN-50-C-7107</div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B456-2078	TVA	N/A	N/A	N/A	Later	Installed	No
1-47B456-2079	TVA	N/A	N/A	N/A	Later	Installed	No

7. Description of Work Install / modify supports.

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 Purchase Contracts and applicable Design Criteria.

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 Elton Burns ISI Program Engineer
Owner or Owner's Designee Title

Date 2/1/14 . 20 06

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 1/8/04 to 2/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Eamigh
Inspector's Signature

Commissions

TN 2534

National Board State Province and Endorsements

Date 2/15 20 06

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> <div style="text-align: center;"><small>Name</small></div><u>1101 Market Street</u> <div style="text-align: center;"><small>Address</small></div><u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div></p> <p>2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div><u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div></p> <p>3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div><u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div></p> <p>4. Identification of System <u>System 073, HPCI System / ASME Code Class 2 equivalent</u> <div style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></div></p> <p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p> <p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	<p>Date <u>July 8, 2006</u></p> <p>Sheet <u>1</u> of <u>2</u></p> <p>Unit <u>1</u></p> <p>DCN <u>51345</u> Work Order (WO) <u>03-013931-002</u> <small>Repair/Replacement Organization P.O. No. Job No. etc.</small></p> <p>Type Code Symbol Stamp <u>N/A</u></p> <p>Authorization No. <u>N/A</u></p> <p>Expiration Date <u>N/A</u></p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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)
1-47B455-2303	TVA	N/A	N/A	47B455-61	2006	Installed	No
1-47B455-2306	TVA	N/A	N/A	47B455-62	2006	Installed	No
1-47B455-2307	TVA	N/A	N/A	47B455-65	2006	Installed	No
1-47B455-2308	TVA	N/A	N/A	47B455-64	2006	Installed	No

7. Description of Work Install / modify supports.

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 Purchase Contracts and applicable Design Criteria.

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 Ethan Buena, ISI Program Engineer
Owner or Owner's Designee Title

Date 7/8, 20 06

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 02-02-06 to 7-31-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Hawes E. Lee
Inspector's Signature

Commissions

AL 46

National Board, State, Province and Endorsements

Date 7-31 2006

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> <u>Chattanooga, TN 37402-2801</u> <small>Address</small></p>	<p>Date <u>October 5, 2006</u></p> <p>Sheet <u>1</u> of <u>2</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>1</u></p> <p>DCN <u>51345</u> Work Order (WO) <u>03-013931-003</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>
<p>4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u></p>	
<p>(Supports) Design Criteria BFN-50-C-7107</p>	
<p>5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case</p>	
<p>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u></p>	

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)
1-47B452-3250	TVA	Bergen Power 42378** 42375**	N/A	1-SNUB-074-5075 1-SNUB-074-5076	2006	Installed	No
1-47B452-3251	TVA	Bergen Power 42373**	N/A	1-SNUB-074-5077	2006	Installed	No
1-47B452-3252	TVA	Bergen Power 41743** 41744**	N/A	1-SNUB-074-5078 1-SNUB-074-5079	2006	Installed	No
1-47B452-3253	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B452-3254	TVA	Bergen Power 42374**	N/A	1-SNUB-074-5080	2006	Installed	No

7. Description of Work Install / modify supports.
**Snubbers were tested and installed in WO 04-712175-000 (5075), 04-712176-000 (5076), 04-712177-000 (5077),
04-712178-000 (5078), 04-712179-000 (5079), and 04-712180-000 (5080).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)9. Remarks Request for Relief 1-ISI-18 for Inservice Inspection of snubbers is applicable to this WO.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/ACertificate of Authorization No. N/AExpiration Date N/ASigned *Ethan Burns* ISI Program EngineerDate 6/11, 20 07Owner 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 ALABAMA and employed by HSB CT of Connecticut have inspected the components describedin this Owner's Report during the period 04-27-05 to 06-20-07, 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.

*Hunter E. ...*Inspector's Signature

Commissions

AL10163BLNational Board, State, Province, and EndorsementsDate 06-20 2007

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>September 22, 2006</u> Sheet <u>1</u> of <u>2</u> Unit <u>1</u> <u>DCN 51345</u> <u>Work Order (WO) 03-013931-004</u> <div style="text-align: center;"><small>Repair/Replacement Organization P.O. No., Job No., etc</small></div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	
4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u> <div style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-3255	TVA	N/A	N/A	H-161	2006	Installed	No
1-47B452-3256	TVA	N/A	N/A	H-142	2006	Installed	No
1-47B452-3257	TVA	Bergen Power 42450** 42451**	N/A	R-9 1-SNUB-074-5098 1-SNUB-074-5099	2006	Installed	No

7. Description of Work Install / modify supports.
**Snubbers installed and tested per WO 04-712228-000 (5098) and 04-712229-000 (5099).

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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Request for Relief 1-ISI-18 for Inservice Inspection of Snubbers is applicable to this WO.

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 *Elmer Burns*, ISI Program Engineer

Date 6/11, 20 07

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described

in this Owner's Report during the period 06-01-05 to 06-20-07, 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.

Harold Bill
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province and Endorsements

Date 06-20 20 07

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 September 12, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000 DCN 51345 Work Order (WO) 03-013931-005
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 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3263	TVA	Bergen Power 42461	N/A	R-10	2006	Installed	No
1-47B452-3264	TVA	N/A	N/A	R-97	2006	Installed	No
1-47B452-3265	TVA	N/A	N/A	N/A	2006	Installed	No
1-47B452-3317	TVA	Bergen Power 42409 42533	N/A	N/A	2006	Installed	No

7. Description of Work Install / modify supports.
Snubbers installed.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)9. Remarks Request for Relief 1-ISI-18 is applicable for this WO.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/ACertificate of Authorization No. N/AExpiration Date N/ASigned Charles Diskell, ISI Program Engineer
Owner or Owner's Designee, TitleDate SEPTEMBER 12, 20 06**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 ALABAMA and employed by HSB CT of
Connecticut have inspected the components describedin this Owner's Report during the period 7-19-05 to 9-12-06, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's
Report in accordance with the requirements of the ASME Code, Section XI.By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.Harold E. Ellis
Inspector's Signature

Commissions

AL 46
National Board State, Province, and EndorsementsDate 9-12 20 06

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority (TVA) Date March 8, 2006
Name
1101 Market Street
Chattanooga, TN 37402-2801
Address
2. Plant Browns Ferry Nuclear Plant (BFN) Unit 1
Name
P. O. Box 2000, Decatur, AL 35609-2000
Address DCN 51345 Work Order (WO) 03-013931-006
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
(Supports) Design Criteria BFN-50-C-7107
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)
1-47B452-3266	TVA	Bergen Power 42457**	N/A	1-SNUB-074-5085 (Old ID RHR-1-R-99)	2006	Installed	No
1-47B452-3268	TVA	N/A	N/A	(Old ID RHR-1-H-029)	2006	Installed	No
1-47B452-3269	TVA	N/A	N/A	(Old ID RHR-1-H-028)	2006	Installed	No

7. Description of Work Modify supports. **Snubber final installation and testing is in WO# 04-712183-000.
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 Purchase Contracts and applicable Design Criteria.

FORM NIS-2 (Back)

9. Remarks Request for Relief 1-ISI-18 for Inservice Inspection of Snubbers is applicable to this WO.

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 Ethan Burton ISI Program Engineer

Date 6/11, 20 07

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 ALABAMA and employed by HSB CT of Connecticut have inspected the components described in this Owner's Report during the period 07-19-05 to 06-20-07, 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.

Hansel E. Bell
Inspector's Signature

Commissions

AL10163BL

National Board, State, Province, and Endorsements

Date 06-20 20 07

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Tennessee Valley Authority (TVA)</u> <div style="text-align: center;"><small>Name</small></div> <u>1101 Market Street</u> <u>Chattanooga, TN 37402-2801</u> <div style="text-align: center;"><small>Address</small></div>	Date <u>May 4, 2006</u> Sheet <u>2</u> of <u>3</u> Unit <u>1</u> <u>DCN 51345</u> <u>Work Order (WO) 03-013931-007</u> <div style="text-align: center;"><small>Repair/Replacement Organization P.O. No. Job No. etc</small></div>
2. Plant <u>Browns Ferry Nuclear Plant (BFN)</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
3. Work Performed by <u>TVA-BFN</u> <div style="text-align: center;"><small>Name</small></div> <u>P. O. Box 2000, Decatur, AL 35609-2000</u> <div style="text-align: center;"><small>Address</small></div>	
4. Identification of System <u>System 074, Residual Heat Removal (RHR) System / ASME Code Class 2 equivalent</u> <div style="text-align: center;"><small>(Supports) Design Criteria BFN-50-C-7107</small></div>	
5. (a) Applicable Construction Code <u>(Piping) USAS B31.1.0</u> 19 <u>67</u> Edition,* <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>95 Edition, 1996 Addenda</u>	

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)
1-47B452-3273 (24" support)	TVA	N/A	N/A	(Old ID RHR-1-R-173)	2006	Installed	No
1-47B452-3274 (24" support)	TVA	Bergen Power **42445	N/A	(Old ID RHR-1-R-085) 1-SNUB-074-5100	2006	Installed	No
1-47B452-3275 (24" support)	TVA	N/A	N/A	(Old ID RHR-1-H-026)	2006	Installed	No

7. Description of Work Modify supports. **Snubber final installation and testing is in WO# 04-712187-000.

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 Purchase Contracts and applicable Design Criteria.