

50-390

WATTS BAR 1

TVA

PRESERVICE INSPECTION REPORT (PT. 3)

Rec'd w/ ltr dtd 5/23/96.....9605300055

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**-NOTICE-**

APPENDIX B Page 1 of 1

K-PO4513A-1 WORKPLAN ~~K-PO3~~ 9-10-91 Page IX-74

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 9-9-91 Report Tracking Number 91-3-159

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TN. 37381

Sheet 1 of Unit 1 WID No. K-PO4513A1

3. Work performed by: TVA Company P.O. BOX 2000 SPRING CITY, TN. 37381 City and State

Type Code Symbol Stamp<sup>2</sup> N/A Authorization No. 2 N/A Expiration Date<sup>2</sup> N/A

4. Identification of system AUX. FEED WATER (SYS. # 03B) (ASME CLASS 2)

5. (A) Applicable Construction Code AISC 1973 Edition Addenda N/A Code Case N/A (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 03B-1AFW-174 EL. 74B'-3" / 9'-5" E (AZ), 5'-5" N (U)

6. (B) Name of manufacturer TVA Address of manufacturer (if known) SPRING CITY, TN. 6. (C) Manufacturer's Serial Number N/A 6. (D) National Board Number (if applicable) N/A 6. (E) Other identification (Subassembly number, heat number, etc.) N/A 6. (F) Year built 1990 Code Class 1 [ ] 2 [x] Replacement<sup>4</sup> [x] 6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] 6. (H) ASME Code Stamped YES [ ] NO [x]

7. Brief description of repair or replacement work performed: MODIFY PIPE SUPPORT PER WP#K-PO4513A1/D REMOVE ITEMS PER STEP 047, SECT. 2 WK INSTRUCTIONS, INSTALL ITEM NO. 8, INSTALL REMAINING ITEMS.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other [ ] Pressure N/A psi Test Temperature N/A F

9. Remarks: NONE

( ) Applicable Manufacturer's Data Report 5 to be attached. Prepared by [Signature] MODIFICATIONS Date 9-9-91 Organization ANII [Signature] Date 12/7/95

- 1 Sheet nos. filled in by ISI programs 4 Replacement (Modification) 2 For work performed by certificate holder 5 When required by Construction Code 3 Replaced (like or equivalent)

NUI FOR KGVIEW



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.9 Revision 0 Page 24 of 39

WORKPLAN <sup>KPO</sup> 4797A-1

APPENDIX B Page 1 of 1

Page IX-74a of IX74

Summary Report Form NIS-2 Attachment

(Owner) Tennessee Valley Authority Nuclear Power

Date 9/14/91 Report Tracking Number 91-62-163 <sup>by</sup> 9/16/91

(Address) P.O. Box 2000  
Spring City, TENN

Sheet 1 of       
Unit       
WID No. WP KPO 4797A-1

Work performed by: TVA  
P.O. Box 2000 Company  
Spring City Tenn Address  
     City and State

Type Code Symbol Stamp N/A <sup>CP</sup> 9/14/91  
Authorization No. 2 N/A <sup>CP</sup> 9/14/91  
Expiration Date 2 N/A <sup>CP</sup> 9/14/91

Identification of system 1062-A406-08-73 CLASS 2 - 3/4" Pipe

(A) Applicable Construction Code AISC 1973 Edition  
6-73 Addenda N/A <sup>CP</sup> 9/14/91 Code Case N/A <sup>CP</sup> 9/14/91  
Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) Support ID 1062-A406-08-73  
Reactor EL 722-1312' - AZ-51' G-Reactor -

(B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. Box 2000, Spring City Tenn

(C) Manufacturer's Serial Number N/A <sup>CP</sup> 9/14/91

(D) National Board Number (if applicable) N/A <sup>CP</sup> 9/14/91

(E) Other identification (Subassembly number, heat number, etc.) N/A <sup>CP</sup> 9/14/91

(F) Year built      Code Class 1 [ ] 2 [X]

(G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

(H) ASME Code Stamped YES [ ] NO [ ]

Brief description of repair or replacement work performed: Fabricate and install this new Pipe Support Per DCA PO 4797-06-0

Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A <sup>CP</sup> 9/14/91 psi Test Temperature N/A <sup>CP</sup> 9/14/91 F

Remarks: None

Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by M. B. Chapman / MOOS Date 9/14/91  
Organization     

ANII M.B. Chapman Date 11-4-91  
Sheet nos. filled in by ISI programs      <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by Construction  
Replaced (like or equivalent) Code

APPENDIX E Page 1 of 1

KPO 4797A11 WORKPLAN

Summary Report Form NIS-2 Attachment

Page 1874b of 18-74

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 9/14/91 Report Tracking Number 91-62-16

2. (Address) P.O. Box 2000 Spring City, TENN

Sheet 1 of Unit 1 WID No. WP-4797A-1

3. Work performed by: TVG Company

Type Code Symbol Stamp<sup>2</sup> N/A CR 9/14/91

P.O. Box 2000 Address

Authorization No.<sup>2</sup> N/A CR 9/14/91

Spring City, TENN City and State

Expiration Date<sup>2</sup> N/A CR 9/14/91

4. Identification of system 1062-1-62-65 - Class 2 - 3/4" Pipe

5. (A) Applicable Construction Code AISC 1973 Edition 6-73 Addenda N/A CR 9/14/91 Code Case N/A CR 9/14/91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) Support ID 1062-1-62-65 Reactor EL. 722' 11/4" - 28' 3 7/8" off 0' & RC Pump #1 - 3/4" Pipe

6. (B) Name of manufacturer TVG Address of manufacturer (if known) P.O. Box 2000 - TENN - Spring City

6. (C) Manufacturer's Serial Number N/A CR 9/14/91

6. (D) National Board Number (if applicable) N/A CR 9/14/91

6. (E) Other identification (Subassembly number, heat number, etc.) N/A CR 9/14/91

6. (F) Year built 1970 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

6. (H) ASME Code Stamped YES [ ] NO [ ]

7. Brief description of repair or replacement work performed: Modifying this Pipe Support by Adding Items 1, 2 Per DCA PD 4797-04-0

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other [ ] Pressure N/A CR 9/14/91 psi Test Temperature N/A CR 9/14/91 F

9. Remarks: None

Applicable Manufacturer's Data Report<sup>5</sup> to be attached.

Prepared by [Signature] / MODS Date 9/14/91

Organization

ANII M.B. Chapman Date 11-4-91

- 1 Sheet nos. filled in by ISI programs 4 Replacement (Modification)
2 For work performed by certificate holder 5 When required by Construction Code
3 Replaced (like or equivalent)

PAGE 328 OF 569

APPENDIX E  
Page 1 of 1

KPO 4797A-1  
WORKPLAN

Summary Report  
Form NIS-2 Attachment

Page 1X-74c of 1174

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 9/14/91  
Report Tracking Number 91-62-165 *dy*  
9/16/91

2. (Address) P.O. Box 2000  
Spring City, TENN

Sheet 1 of       
Unit       
WID No. WP KPO 4797A-1

3. Work performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City TENN  
City and State

Type Code Symbol Stamp<sup>2</sup> N/A *dy* 9/14/91  
Authorization No.<sup>2</sup> N/A *dy* 9/14/91  
Expiration Date<sup>2</sup> N/A *dy* 9/14/91

4. Identification of system 1062-1-62A-610 - Class 2 (1 1/2" Pipe)

5. (A) Applicable Construction Code AISC 1973 Edition  
6-73 Addenda N/A *dy* 9/14/91 Code Case N/A *dy* 9/14/91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) Support ID 1062-1-62A-610  
Reactor, EL. 713'-3" AZ-43' 4 Ctmt 53'10 1/2", 1 1/2" Pipe

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. Box 2000 - Spring City, Tenn

6. (C) Manufacturer's Serial Number N/A *dy* 9/14/91

6. (D) National Board Number (if applicable) N/A *dy* 9/14/91

6. (E) Other identification (Subassembly number, heat number, etc.) N/A  
*dy* 9/14/91

6. (F) Year built 1990 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

6. (H) ASME Code Stamped YES [ ] NO [ ]

7. Brief description of repair or replacement work performed: Delete this  
Pipe Support Per DCA drawing PO 4797B3-0

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A *dy* 9/14/91 psi Test Temperature N/A *dy* 9/14/91 F

9. Remarks: None

*dy* (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by [Signature] / MOOS Date 9/14/91

ANII [Signature] Organization Date 11-5-91

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
2 For work performed by certificate holder 5 When required by Construction  
3 Replaced (like or equivalent) Code

APPENDIX E  
Page 1 of 1

WORKPLAN K-P04722A-1

Page IX-45

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date NA 9-16-91  
Report Tracking Number 91-62-169 201  
9/17/91

2. (Address) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, TN 37381

Sheet 1 1 of 1  
Unit 1  
WID No. NA 9-16-91

3. Work performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN 37381  
City and State

Type Code Symbol Stamp NA 9-16-91  
Authorization No. 2 NA 9-16-91  
Expiration Date 2 NA 9-16-91

4. Identification of system 62, CVCS, ASME - Class 1

5. (A) Applicable Construction Code AISC 1973 Edition  
June 1973 Addenda NA 9-16-91 Code Case NA 9-17-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) Pipe support #1062-A406-B-72  
B.P. 2600-1.5 R/S Pipe Clamp B.P. 2540-1.5 R/S Snubber Assy. TS 4X4 x 3/16

6. (B) Name of manufacturer TVA & Bergen Paterson Pipe Support Corp  
Address of manufacturer (if known) Spring City, TN, and Woburn, Mass.

6. (C) Manufacturer's Serial Number for Snubber 13187

6. (D) National Board Number (if applicable) NA 9-16-91

6. (E) Other identification (Subassembly number, heat number, etc.) TS 4X4 x 3/16,  
HT # Y07389. End attachment, Heat # Y07389

6. (F) Year built 1990 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>   new installation

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Fabricate & install  
new support per DCA P04722-05-C, -06-C Ref: (L-62-HAUP-012-07)

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure NA 9-16-91 psi Test Temperature NA 9-16-91 F

9. Remarks: NA 9-16-91

NA (NA) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by RON BANKS Date 9-16-91  
MOAS

Organization Ron Banks, R.E. Organization  
ANII MB Chapman Date 11-5-91

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
<sup>2</sup> For work performed by certificate holder <sup>5</sup> When required by Construction  
<sup>3</sup> Replaced (like or equivalent) Code

47A406-8-77  
1-67A-400  
1-62A-401  
1-62A-402

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

WORKPLAN K-P04722A-1

APPENDIX E  
Page 1 of 1

Page IX-61

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date NA 8 9-16-91  
Report Tracking Number 91-62-170 9/17/91

2. (Address) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, TN, 37381

Sheet 1 1 of 1  
Unit 1  
-WID No. NA 8 9-16-91

3. Work performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN, 37381  
City and State

Type Code Symbol Stamp NA 8 9-16-91  
Authorization No. 2 NA 8 9-16-91  
Expiration Date 2 NA 8 9-16-91

4. Identification of system 62, CVCS, ASME - Class 1

5. (A) Applicable Construction Code ASME 1973 Edition  
June 1973 Addenda NA 8 9-16-91 Code Case NA 8 9-17-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification)  
TS 3x3x1/4, TS 2x2x3/16, 2 1/2 x 1 1/2 x 1/4, R 1/2 x 3 x 3, R 1/2 x 4 x 5 1/2

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) Spring City, TN

6. (C) Manufacturer's Serial Number NA 8 9-16-91

6. (D) National Board Number (if applicable) NA 8 9-16-91

6. (E) Other identification (Subassembly number, heat number, etc.) TS 3x3x1/4 #161133,  
TS 2x2x3/16, H#W85304, 2 1/2 x 1 1/2 x 1/4, H#Y5-0771, R 1/2, H#B6781

6. (F) Year built 1996 Code Class 1  2

6. (G) Repaired  Replaced  Replacement   New installation

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Fabricate and  
install new support per DCA P04722-07-0 Ref: (1-62-4AAUP-012-018)

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure NA 8 9-16-91 psi Test Temperature NA 8 9-16-91 F

9. Remarks: NA 8 9-16-91

(WA) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by [Signature] ISI MODS Date 9-16-91

ANII [Signature] RE Organization Date 11-3-91

1. Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
2. For work performed by certificate holder <sup>5</sup> When required by Construction  
3. Replaced (like or equivalent) Code

1-62A-401  
1-62A-402

APPENDIX B Page 1 of 1

WORKPLAN K-P04722A-1

Summary Report Form NIS-2 Attachment

Page IX-82

1. (Owner) Tennessee Valley Authority Nuclear Power Date NA 9-16-91 Report Tracking Number 91-62-171 9/17/91

2. (Address) Watts Bar Nuclear Plant Sheet 1 1 of 1  
P.O. Box 2000 Unit 1  
Spring City, TN 37381 WID No. NA 9-16-91

3. Work performed by: TVA Type Code Symbol Stamp NA 9-16-91  
P.O. Box 2000 Company Authorization No. NA 9-16-91  
Spring City, TN 37381 Address Expiration Date NA 9-16-91  
Spring City, TN 37381 City and State

4. Identification of system G2, CVCS, ASME - Class 1

5. (A) Applicable Construction Code AISC 1973 Edition  
June 1973 Addenda NA 9-16-91 Code Case NA 9-17-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) Pipe Supports #1-62A-400, AZ 47°, EL 722'-10 1/2" (Ref.) R.C. Pump Loop #1, Voided Support.

6. (B) Name of manufacturer TVA  
 Address of manufacturer (if known) Spring City, TN

6. (C) Manufacturer's Serial Number NA 9-16-91

6. (D) National Board Number (if applicable) NA 9-16-91

6. (E) Other identification (Subassembly number, heat number, etc.) NA 9-16-91

6. (F) Year built Voided 1990 Code Class 1  2

6. (G) Repaired  Replaced  Replacement   deleted

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Remove items #3 & #5 looking item #1 in order to remove support. This support to be voided ref: (I-62-HAUP-012-019)

8. Tests Conducted: Hydrostatic  Pneumatic   
 Nominal operating pressure  Other   
 Pressure NA 9-16-91 psi Test Temperature NA 9-16-91 F

9. Remarks: NONE

9-16-91 (NA) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
 Prepared by RON BARKSDALE MOPS Date 9-16-91  
B. Camp Organization Date 4/8/96  
 ANII

1-62A-400

WORKPLAN K-P04722A-1

APPENDIX E  
Page 1 of 1

Page IX-84

Summary Report  
Form NIS-2 Attachment

Date NA 9-16-91  
Report Tracking Number 91-62-172 9/17/91

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Sheet 1 1 of 1  
Unit 1  
WID No. NA 9-16-91

2. (Address) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, TN 37381

3. Work performed by: TVA Type Code Symbol Stamp NA 9-16-91  
Company P.O. Box 2000 Authorization No. NA 9-16-91  
Address Spring City, TN 37381 Expiration Date NA 9-16-91  
City and State

4. Identification of system 62, CVCS, ASME-Class 1

5. (A) Applicable Construction Code AISC 1973 Edition  
June 1973 Addenda N/A 9-16-91 Code Case NA 9-17-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) Pipe support #1-62A-40,  
AZ 47°, EL 722-10 1/2" (Ref.), B.C. Loop # 1, Voided Support.

6. (B) Name of manufacturer TVA and Bergen-Peterson Pipe Support Corp.  
Address of manufacturer (if known) Spring City, TN and Woburn, Mass.

6. (C) Manufacturer's Serial Number For Snubber #21444.

6. (D) National Board Number (if applicable) N/A 9-16-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
N/A Voided Support 9-16-91.

6. (F) Year built Voided 1990 Code Class 1  2

6. (G) Repaired  Replaced  Replacement  Deleted

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed:  
Unbolt & remove support per DCA P04722-10-0, -11-0.  
Ref: (62-HAAVP-012) -013

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A 9-16-91 psi Test Temperature NA 9-16-91 F

9. Remarks: NONE

By (NA) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by Ron Banks Date 9-16-91  
B. Comyn Organization  
ANTI Date 4/8/96

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by construction K-P04722A-1  
Replaced (like or equivalent) Code

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

ANI

1. (Owner) Tennessee Valley Authority Nuclear Power Date 9-17-91  
 Report Tracking Number 91-74-174  
 2. (Address) WATTS BAR NUCLEAR PLANT Sheet 1      of       
 Unit 1  
 WID No.       
 3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> N/A 9-17-91  
 Company P.O. Box 2000 Authorization No.<sup>2</sup> N/A 9-17-91  
 Address SPRING CITY, TN Expiration Date<sup>2</sup> N/A 9-17-91  
 City and State

4. Identification of system 74, RHR, ASME CLASS 1 (14" Ø PIPE)  
 5. (A) Applicable Construction Code ATSC 1973 Edition  
JUNE 1973 Addenda N/A 9-17-91 Code Case N/A 9-17-91  
 5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
 1980 Winter 1981 Addenda  
 6. (A) Name of component(s) and description (include size, capacity, material,  
 and location as needed to aid in identification) SUPPORT 1-74-10,  
RBI, EL 706'-6" AZ-354°-11' R-32'4"  
 6. (B) Name of manufacturer TVA  
 Address of manufacturer (if known) SPRING CITY, TN  
 6. (C) Manufacturer's Serial Number N/A 9-17-91  
 6. (D) National Board Number (if applicable) N/A 9-17-91  
 6. (E) Other identification (Subassembly number, heat number, etc.) N/A 9-17-91  
 6. (F) Year built 1990 Code Class 1  2   
 6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>   
 6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed:  
MODIFY EXISTING SUPPORT PER WP KP05922A-1

8. Tests Conducted: Hydrostatic  Pneumatic   
 Nominal operating pressure  Other   
 Pressure N/A psi Test Temperature N/A F  
9-17-91

9. Remarks: SUPPORT COMPLETED AND DOCUMENTED.  
9-17-91

N/A Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
 Prepared by T. Bruce Vaid / MOD Date 9-17-91  
 Organization

1 ANII MB Chapman Date 11-6-91  
 2 Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
 3 For work performed by certificate holder 5 When required by Construction Code  
 Replaced (like or equivalent) Code WORKPLAN WP KP05922A-1

PAGE 334 OF 569



APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-29-90

Sheet<sup>a</sup> \_\_\_\_\_ of TKM 9-17-91 20171441  
Unit 1 91-63-175  
Report Tracking No. N/A TK 9-29-90

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A TK 9-29-90  
Authorization No.<sup>b</sup> N/A TK 9-29-90  
Expiration Date<sup>b</sup> N/A TK 9-29-90

4. Identification of System 063 SIS ASME - class 1

5(A). Applicable Construction Code AISC 1973  
Edition June 1973 Addenda N/A TK 9-29-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
Pipe support 1-63-552 located at Elev. 722'0" Az 214°35' Rad=  
32'7" RB1

5(B). Name of Manufacturer N/A TK 9-29-90  
Address of Manufacturer (if known) N/A 9-29-90 TK

5(C). Manufacturer's Serial Number N/A 9-29-90 TK

5(D). National Board Number (if applicable) N/A 9-29-90 TK

5(E). Other Identification (subassembly number, heat number, etc.)  
N/A TK 9-29-90

5(F). Year Built N/A TK 9-29-90

5(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

5(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
Pipe support voided by DCN M-12671-A and removed per  
W.P. K-M12976A-1

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other  TK 9-29-90  
Pressure N/A TK 9-29-90 psi Test Temperature N/A °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
TK 9-29-90 Responsible Engr Thomas Kunkin / IMEA-N2 Date 9-29-90  
Organization

ANII [Signature] Date 10-28-91

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
For work performed by certificate holder  
Replaced (like or equivalent).  
Replacement (modification).  
When required by Construction Code.

PAGE 335 OF 564  
WP K M 12976A-1  
56 TKM 9-19-91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-29-90

Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN.  
City and State

Report Tracking No. 91-063-176  
Type Code Symbol Stamp<sup>b</sup> N/A TK9-29-90

Authorization No.<sup>b</sup> N/A TK9-29-90

Expiration Date<sup>b</sup> N/A TK9-29-90

4. Identification of System 063 SIS ASME-CLASS 2 / TK9-29-90

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A TK9-29-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
Pipe support 1-63-551 located at E/W. 722'0" Az. 214°35'  
Rad=32'7" RB1

6(B). Name of Manufacturer N/A TK9-29-90  
Address of Manufacturer (if known) N/A TK9-29-90

6(C). Manufacturer's Serial Number N/A TK9-29-90

6(D). National Board Number (if applicable) N/A TK9-29-90

6(E). Other Identification (subassembly number, heat number, etc.)  
N/A TK9-29-90

6(F). Year Built N/A TK9-29-90

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
Pipe support voided by DCN M12671-A and removed per  
W.P. K-M12976A-1

8. Tests Conducted: Hydrostatic  Pneumatic  90 TK1-23-91  
Nominal operating pressure  Other  TK9-29-90  
Pressure N/A TK9-29-90 psi Test Temperature N/A °F

9. Remarks: NOTE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
TK9-29-90 Responsible Engr Thomas Kemler / MEA-NC Date 9-29-90  
Organization

ANII [Signature] Date 10-23-91

Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>b</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.

PAGE 336 OF 564  
WP K M 12976A-1  
54 T/M 9-19-91  
PAGE IX-61 OF T/M 9-13-91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 10-29-90  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000 Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Spring City, Tennessee Unit 1
3. Work Performed by: TVA Report Tracking No. 91-63-177  
Company Type Code Symbol Stamp<sup>b</sup> N/A TK10-29-90  
P.O. Box 2000 Address Authorization No.<sup>b</sup> N/A TK10-29-90  
Spring City, TENN. City and State Expiration Date<sup>b</sup> N/A TK10-29-90
4. Identification of System D63 ASME CLASS 1
- 5(A). Applicable Construction Code AISC 19 73  
Edition June 1973 Addenda N/A TK10-29-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
(See attachment)
- 6(B). Name of Manufacturer N/A TK 10-29-90  
Address of Manufacturer (if known) N/A TK 10-29-90
- 6(C). Manufacturer's Serial Number N/A TK 10-29-90
- 6(D). National Board Number (if applicable) N/A TK 10-29-90
- 6(E). Other Identification (subassembly number, heat number, etc.) \_\_\_\_\_  
N/A TK 10-29-90
- 6(F). Year Built \_\_\_\_\_  
N/A TK 10-29-90
- 6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
Supports voided and removed per DCN-F12674-A (See attachment)  
Or 1-21-91
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other  TK10-29-90  
Pressure N/A TK10-29-90 psi Test Temperature N/A °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
TK10-29-90 Responsible Engr \* N/A TTM TTM 9-18-91 Date 9-18-91  
\* Trickett & Wells 9-19-91 Organization  
\* 190 DS

ANII [Signature] Date 11/7/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

Name of component: Pipe support 1-63-160, Part No.  
2640-.65 snubber attached to 1 1/2"  
pipe in CTMT, Elevation 723' 1 1/2", Az. 301°, Rad=  
36'-0 5/16".

Name of component: Pipe support 1-63-163, Part No.  
2640-.65 snubber attached to  
2" Tubesteel and 1 1/2" pipe in CTMT,  
Elev. 722' 4", Az. 301° Rad= 31'-7 1/16".

Name of Component: Pipe support 1-63-161, Part No.  
2540 PSA 1/4 attached to 1 1/2" pipe  
in CTMT, Elevation 723' 3", Az. 301° Rad= 36'-0 9/16".

SUPP. SHEET TO AI-9.15  
REV. 11  
PAGE 26 A OF 33  
9/1-21-91

PAGE 338 OF 564

WP KM12976A 1

PAGE IX-14 OF TM 9-13-91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 9-15-90  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000 Sheet<sup>a</sup> 1 of 1  
Spring City, Tennessee Unit 1

3. Work Performed by: TVA Report Tracking No. 91-63-182 <sup>aj</sup>  
Company Type Code Symbol Stamp<sup>b</sup> N/A

P.O. Box 2000 Address Authorization No.<sup>b</sup> N/A JAN 9-15-90  
SPRING CITY, TN City and State Expiration Date<sup>b</sup> N/A JAN 9-15-90

4. Identification of System 063 - SIS; ASME-CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A JAN 9-15-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 1063-A435-674: 3/4" P.

6(B). Name of Manufacturer TVA N/A J.T. 9/24/91  
Address of Manufacturer (if known) SPRING CITY, TN.

6(C). Manufacturer's Serial Number N/A JAN 9-15-90

6(D). National Board Number (if applicable) N/A JAN 9-15-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HT. # W87621

6(F). Year Built 1990

6(G). Repaired  Replaced  Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
ADDED 3/4" THICK STIFFENER

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A JAN 9-15-90 psi Test Temperature N/A JAN 9-15-90 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
9-15-90 Responsible Engr L.E. J. Toak MODS Date 9/24/91  
Organization

ANII B. Carnegh Date 11/3/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>b</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 5-3-91

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 91-63-183  
Type Code Symbol Stamp<sup>b</sup> N/A DNH 5-3-91  
Authorization No.<sup>b</sup> N/A DNH 5-3-91  
Expiration Date<sup>b</sup> N/A DNH 5-3-91

4. Identification of System 063, 515  
5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A DNH 5-3-91

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - WINTER 1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1063-A435-B-73  
RB UNIT 1 ELEV ~ 729' AZ 146° RAD ~ 51'

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A DNH 5-3-91

6(D). National Board Number (if applicable) N/A DNH 5-3-91

6(E). Other Identification (subassembly number, heat number, etc.)  
N/A DNH 5-3-91

6(F). Year Built 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
INCREASE WELD  
N/A J.T. 9/24/91

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A DNH 5-3-91 psi Test Temperature N/A °F  
DNH 5-3-91

9. Remarks: NONE DNH 5-3-91

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr L.E. J. Tash MODS Date 9/24/91  
Organization

ANII B. Carny Date 11/3/91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date 5-3-91

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State  
Report Tracking No. 91-63-184  
Type Code Symbol Stamp<sup>b</sup> N/A DNH 5-3-91  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> 5-3-91

4. Identification of System 063, SIS

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A DNH 5-3-91

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - WINTER 1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1063-1-63-040  
RB UNIT 1, EL 732'-0 A2 287°30 R=45'-9"

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A DNH 5-3-91

6(D). National Board Number (if applicable) N/A DNH 5-3-91

6(E). Other Identification (subassembly number, heat number, etc.)  
BP PART 2200-10 STRUT

6(F). Year Built 1990

6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
ATTACH TUBE STEEL & BP PARTS TO EXIST. WF PER  
WP K-P04633 A-3.

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A DNH 5-3-91 psi Test Temperature N/A °F  
DNH 5-3-91

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
DNH 5-3-91 Responsible Engr L.E. J. Taylor MDS Date 9/24/91  
Organization  
ANII B. Eamugh Date 11/3/91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/24/91 <sup>L.E. J.T.</sup> 9/24/91

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company
- P.O. Box 2000  
Address
- SPRING CITY, TN  
City and State

Report Tracking No. 91-63-185  
Type Code Symbol Stamp<sup>b</sup> N/A <sup>Dm 4-30-91</sup>

Authorization No. N/A <sup>Dm 4-30-91</sup>

Expiration Date<sup>b</sup> N/A <sup>Dm 4-30-91</sup>

- 4. Identification of System 63, SIS ASME-CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A <sup>Dm 4-29-91</sup>

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 1063-1-63-256, RB-1, A2-136°, R=45'-2"  
EL. 740'-6"

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TENN.

6(C). Manufacturer's Serial Number N/A <sup>Dm 4-29-91</sup>

6(D). National Board Number (if applicable) N/A <sup>Dm 4-29-91</sup>

6(E). Other Identification (subassembly number, heat number, etc.) N/A <sup>Dm 4-29-91</sup>

6(F). Year Built 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No  <sup>Dm 5-3-91</sup>

7. Brief description of repair or replacement work performed.  
Modify existing pipe support under Workplan K-P04633A-3.

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A <sup>Dm 4-30-91</sup> psi Test Temperature N/A <sup>Dm 4-30-91</sup> °F

9. Remarks: N/A <sup>J.T. 9/24/91</sup>

(N/A) Applicable manufacturer's data report<sup>c</sup> to be attached.

Responsible Engr L.E. J. Tash 1 MODS Date 9/24/91  
Organization

PAGE 3A2 OF 564  
ANTI B. Esmail Date 11/3/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>b</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.



APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/24/91 L.E. J.T. 9/24/91

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 91-63-186  
Type Code Symbol Stamp<sup>b</sup>

Authorization No.<sup>b</sup> N/A Dm 5-3-91  
Expiration Date<sup>b</sup>

4. Identification of System 063, S15

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A Dm 5-3-91

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - WINTER 1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1063-1-63-084

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A Dm 5-3-91

6(D). National Board Number (if applicable) N/A Dm 5-3-91

6(E). Other Identification (subassembly number, heat number, etc.)  
NONE

6(F). Year Built N/A Dm 5-3-91

6(G). Repaired  Replaced  Replacement   
6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
SUPPORT VOIDED PER DCN P-04633-B

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A Dm 5-3-91 Psi Test Temperature N/A °F  
Dm 5-3-91

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr L.E. J. Taak 1 MODS Date 9/24/91  
Organization

ANII B. Eamaj Date 11/3/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/24/91 L.E. J.T. 9/24/91

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA Company  
P.O. Box 2000 Address  
SPRING CITY, TN City and State

Report Tracking No. 91-63-187 <sup>hlf</sup>  
Type Code Symbol Stamp 9/26/91

Authorization No. N/A  
Expiration Date<sup>b</sup> 5-3-91

- 4. Identification of System 063, SIS
- 5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A Part 5-3-91

- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - WINTER 1981

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1-63-087  
RB Unit 1 AZ 142° EL 724'-9 3/4" RAD=41'-6"

- 6(B). Name of Manufacturer TVA

- 6(C). Address of Manufacturer (if known) SPRING CITY, TN

- 6(D). Manufacturer's Serial Number N/A Part 5-3-91

- 6(E). National Board Number (if applicable) N/A Part 5-3-91

- 6(F). Other Identification (subassembly number, heat number, etc.)  
10" Ø PIPE, 20" Ø SLEEVE

- 6(G). Year Built 1990

- 6(H). Repaired  Replaced  Replacement

- 6(I). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.  
ADD STIFFENERS PER WP K-P04633 A-3  
N/A J.T. 9/24/91

- 8. Tests Conducted: Hydrostatic  Pneumatic

- Nominal operating pressure  Other

- 9. Remarks: NONE Pressure N/A Part 5-3-91 psi Test Temperature N/A °F  
Part 5-3-91

(N/A) Applicable manufacturer's data reports to be attached.  
Responsible Engr L.E. J. Task 1 MDDS Date 9/24/91  
Organization

ANII B. Eamm

Date 11/3/91

PAGE 344 OF 564

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

WP K P 0 4 6 3 3 A - 3  
PAGE 1X-96 OF 1X-145

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/24/91 L.E. 9/24/91

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 91-63-188  
Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> DNH 5-3-94

4. Identification of System 063, SIS

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A DNH 5-3-91

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - WINTER 1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1-63-119, 2"Ø PIPE  
RB UNIT #1 EL 726'-10 1/4" 22 DNH 5-3-91 A2 ~ 146' R ≈ 51'

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A DNH 5-3-91

6(D). National Board Number (if applicable) N/A DNH 5-3-91

6(E). Other Identification (subassembly number, heat number, etc.)  
NONE

6(F). Year Built N/A J.T. 9/24/91

6(G). Repaired  Replaced  Replacement   
ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
ADD TUBE STEEL BRACE PER WP K-P04633 A-3

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A DNH 5-3-91 psi Test Temperature N/A °F  
DNH 5-3-91

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr L.E. J. Tash Date 9/24/91  
Organization MODS

ANII B. Eamigh Date 11/3/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX E  
Page 1 of 1

WORKPLAN M5841-1  
Page 9-56

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power  
Date 9-13-91 BAP 11-6-91 L.E.  
Report Tracking Number 91-62-189

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE  
Sheet 1      of      9/26/91  
Unit       
WID No. M5841-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA  
Company  
WATTS BAR NUCLEAR PLANT Authorization No.<sup>2</sup> N-1480-1  
Address  
SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1974 Edition  
THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91

5. Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) WELD # 1-062B-D033-09  
SEE ATTACHED WELD MAP: WBN E-2879-IC-33 R4

6. (B) Name of manufacturer N/A BAP 9-13-91  
Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
SUBASSEMBLY NUMBER: 62A-CVCS-151 (SN 7396)

6. (F) Year built N/A BAP 9-13-91 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>  N/A BAP 9-13-91

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: N-VT-3 E N-PT-9  
PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION  
AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

Tests Conducted: Hydrostatic  Pneumatic  N/A BAP 9-13-91  
Nominal operating pressure  Other  N/A BAP 9-13-91  
Pressure      psi Test Temperature      F N/A BAP 9-13-91

Remarks: WORKPLAN NO. M5841-1

Applicable Manufacturer's Data Report <sup>5</sup> to be attached. N/A BAP 9-13-91  
Prepared by Bradford K. Purdue / NC-MODS Date 9-13-91 9-13-91  
Organization

ANII M.B. Chapman Date 11-4-91

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by Construction  
Replaced (like or equivalent) Code

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

APPENDIX B  
Page 1 of 1

WORKPLAN M5841-1

Summary Report  
Form NIS-2 Attachment

Page 9-54

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 9-13-91 BAP 11-6-91 L.E.  
Report Tracking Number 91-62-190

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 of  
Unit 1  
WID No. M5841-1

9/26/91

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA  
Company  
WATTS BAR NUCLEAR PLANT Authorization No.<sup>2</sup> N-1480-1  
Address  
SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1971 Edition  
THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-D036-11D  
SEE ATTACHED WELD MAP: WMCR R7A (A) TO WELD MAP WBN E-2879 IC-36 R7

6. (B) Name of manufacturer N/A BAP 9-13-91  
Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
SUBASSEMBLY NUMBER: 62A-CVCS-172 (SN 7417)

6. (F) Year built N/A BAP 9-13-91 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>  N/A BAP 9-13-91

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: N-VT-3 & N-PT-9  
PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION  
AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

Tests Conducted: Hydrostatic  Pneumatic  N/A BAP 9-13-91  
Nominal operating pressure  Other  N/A BAP 9-13-91  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F N/A BAP 9-13-91

Remarks: WORKPLAN No. M5841-1

~~( )~~ Applicable Manufacturer's Data Report <sup>5</sup> to be attached. N/A BAP 9-13-91  
Prepared by Bradford B. Pendue 1 NC-MODS Date 9-13-91

ANII M.B. Chapman Organization \_\_\_\_\_ Date 11-6-91

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by Construction  
Replaced (like or equivalent) Code

APPENDIX E Page 1 of 1

WORKPLAN M5841-1 Page 9-52

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 9-13-91 BAP 11/6/91 L.E. Report Tracking Number 91-62-191

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE Sheet 1 of Unit 1 WID No. M5841-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA Company WATTS BAR NUCLEAR PLANT Authorization No. N-1480-1 Address SPRING CITY, TENNESSEE Expiration Date AUG. 06, 1991 City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1974 Edition THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91 (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-D036-11E SEE ATTACHED WELD MAP: WMCR RTA(A) TO WELD MAP WBN E-2879 IC-36 R.7 6. (B) Name of manufacturer N/A BAP 9-13-91 Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.) SUBASSEMBLY NUMBER: 62-CVCS-172 (SN 7417)

6. (F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]

6. (G) Repaired [ ] Replaced [ ] Replacement [ ] N/A BAP 9-13-91

6. (H) ASME Code Stamped YES [X] NO [ ]

7. Brief description of repair or replacement work performed: N-VT-3 EN-PT-9 PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A BAP 9-13-91 Nominal operating pressure [ ] Other [ ] N/A BAP 9-13-91 Pressure psi Test Temperature F N/A BAP 9-13-91

9. Remarks: WORKPLAN No. M5841-1

( ) Applicable Manufacturer's Data Report 5 to be attached. Prepared by Bradford R. Budge 1 NC-MODS Date 9-13-91 Organization ANII MJB Date 11-6-91

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification) 2 For work performed by certificate holder 5 When required by Construction Code 3 Replaced (like or equivalent)

APPENDIX B Page 1 of 1

WORKPLAN M5841-1 Page 9-50

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 9-13-91 BAP 11/6/91 LE. Report Tracking Number 91-62-192

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE Sheet 1 of 1 Unit 1 WID No. M5841-1 9/26/91

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA Company WATTS BAR NUCLEAR PLANT Address SPRING CITY, TENNESSEE Authorization No. 2 N-1480-1 Expiration Date 2 AUG. 06, 1991 City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

(A) Applicable Construction Code ASME SECTION III 1974 Edition THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91 (P) Applicable Edition of Section XI utilized for repairs or replacements 980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-T183-03 SEE ATTACHED WELD MAP: SK. 406-9 SH. 1 RA

(B) Name of manufacturer N/A BAP 9-13-91 Address of manufacturer (if known) N/A BAP 9-13-91

(C) Manufacturer's Serial Number N/A BAP 9-13-91

(D) National Board Number (if applicable) N/A BAP 9-13-91

(E) Other identification (Subassembly number, heat number, etc.) SUBASSEMBLY NUMBER: 1-62-5-16-2

(F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]

(G) Repaired [ ] Replaced 3 [ ] Replacement 4 [ ]

(H) ASME Code Stamped YES [X] NO [ ] N/A BAP 9-13-91

Brief description of repair or replacement work performed: N-VT-3 & N-PT-9 PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A BAP 9-13-91 Nominal operating pressure [ ] Other [ ] N/A BAP 9-13-91 Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

Remarks: WORKPLAN No. M5841-1 N/A BAP 9-13-91

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A BAP 9-13-91 Prepared by Crawford R. Rindge / NC-MODS Date 11-6-91 Organization

ANII MBS Chapman Date 11-6-91

Sheet nos. filled in by ISI programs 4 Replacement (Modification) or work performed by certificate holder 5 When required by Construction Code replaced (like or equivalent)

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.9 Revision 0 Page 24 of 39

APPENDIX E Page 1 of 1

WORKPLAN M5841-1

Page 9-48

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 9-13-91 BAP 11/6/91 LE. Report Tracking Number 91-62-15300

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE

Sheet 1 of Unit 1 WID No. M5841-1

9/26/91

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA Company WATTS BAR NUCLEAR PLANT Authorization No. N-1480-1 Address SPRING CITY, TENNESSEE Expiration Date AUG. 06, 1991 City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1974 Edition THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-T183-11 SEE ATTACHED WELD MAP: SK. 409 BAP 9-13-91 SK. 406-9 SH. 1 R4

6. (B) Name of manufacturer N/A BAP 9-13-91 Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.) SUBASSEMBLY NUMBER: 1-62-5-16-1

6. (F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]

6. (G) Repaired [ ] Replaced [ ] Replacement [ ] N/A BAP 9-13-91

6. (H) ASME Code Stamped YES [X] NO [ ]

7. Brief description of repair or replacement work performed: N-VT-3 EN-PT-9 PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A BAP 9-13-91

Nominal operating pressure [ ] Other [ ] N/A BAP 9-13-91

Pressure psi Test Temperature F N/A BAP 9-13-91

9. Remarks: WORKPLAN NO. M5841-1

( ) Applicable Manufacturer's Data Report 5 to be attached. Prepared by Bradford A. Bendure 1 NC-MODS Date 9-13-91 N/A BAP 9-13-91

Organization ANII MB Chapman Date 11-6-91

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification) 2 For work performed by certificate holder 5 When required by Construction 3 Replaced (like or equivalent) Code



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

APPENDIX B Page 1 of 1

WORKPLAN M5841-1 Page 9-46

Summary Report Form NIS-2 Attachment

(Owner) Tennessee Valley Authority Nuclear Power Date 9-13-91 BAP 11/6/91 L.E. Report Tracking Number 91-62-194

(Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE Sheet 1 of Unit 1 WID No. M5841-1

Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA Company WATTS BAR NUCLEAR PLANT Authorization No. N-1480-1 Address SPRING CITY, TENNESSEE Expiration Date AUG. 06, 1991 City and State

Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

- (A) Applicable Construction Code ASME SECTION III 1974 Edition THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91
(B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda
(C) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-T217-17 SEE ATTACHED WELD MAP: SK.406-7 SH.21 R.8
(D) Name of manufacturer N/A BAP 9-13-91 Address of manufacturer (if known) N/A BAP 9-13-91
(E) Manufacturer's Serial Number N/A BAP 9-13-91
(F) National Board Number (if applicable) N/A BAP 9-13-91
(G) Other identification (Subassembly number, heat number, etc.) SUBASSEMBLY NUMBER: 1-62-S-15-35
(H) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]
(I) Repaired [ ] Replaced [ ] Replacement [ ] N/A BAP 9-13-91
(J) ASME Code Stamped YES [X] NO [ ]

Brief description of repair or replacement work performed: N-VT-3 N-PT-9 PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A BAP 9-13-91 Nominal operating pressure [ ] Other [ ] N/A BAP 9-13-91 Pressure psi Test Temperature F N/A BAP 9-13-91

Remarks: WORKPLAN NO. M5841-1

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A BAP 9-13-91 Prepared by [Signature] INC-MODS Date 9-13-91

Organization ANII M.B. Chapman Date 11-6-91

Sheet nos. filled in by ISI programs 4 Replacement (Modification) or work performed by certificate holder 5 When required by Construction Code replaced (like or equivalent)

APPENDIX E  
Page 1 of 1

WORKPLAN M5841-1

Summary Report  
Form NIS-2 Attachment

Page 9-44

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 9-13-91 BAP 11/6/91 LE  
Report Tracking Number 91-62-195 AS  
9/24/91

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 of \_\_\_\_\_  
Unit 1  
WID No. M5841-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA  
Company  
WATTS BAR NUCLEAR PLANT Authorization No.<sup>2</sup> N-1480-1  
Address  
SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1971 Edition  
THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91  
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-T217-10  
SEE ATTACHED WELD MAP: SK. 406-7 SH. 21 R.8

6. (B) Name of manufacturer N/A BAP 9-13-91

Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
SUBASSEMBLY NUMBER: 1-62-S-15-37

6. (F) Year built N/A BAP 9-13-91 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>

6. (H) ASME Code Stamped YES  NO  Replacement<sup>4</sup>  N/A BAP 9-13-91

7. Brief description of repair or replacement work performed: PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SUREFACE PREPARATION AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

Tests Conducted: Hydrostatic  Pneumatic  N/A BAP 9-13-91  
Nominal operating pressure  Other  N/A BAP 9-13-91  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F N/A BAP 9-13-91

Remarks: WORKPLAN NO. M5841-1

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A BAP 9-13-91

Prepared by Bradford A. Perdue / NC-MODS Date 9-13-91  
Organization

ANII M.B. Chapman Date 11-6-91  
Sheets filled in by ISI programs 4 Replacement (Modification)  
For work performed by certificate holder 5 When required by Construction  
Replaced (like or equivalent) Code

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

WORKPLAN M5841-1  
Page 9-42

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 9-13-91 BAP 11/6/91 LE.

Report Tracking Number 91-62796

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 of 1  
Unit 1  
WID No. M5841-1

9/26/91

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA  
Company WATTS BAR NUCLEAR PLANT Authorization No.<sup>2</sup> N-1480-1  
Address SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system CHEMICAL VOLUME CONTROL SYSTEM (SYS. 62)

5. (A) Applicable Construction Code ASME SECTION III 1974 Edition  
THROUGH Addenda SUMMER 1973 Code Case N/A BAP 9-13-91  
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) WELD # 1-062B-DO36-07D  
SEE ATTACHED WELD MAP (PORTION): WBN E-2879 IC-36 R7

6. (B) Name of manufacturer N/A BAP 9-13-91  
Address of manufacturer (if known) N/A BAP 9-13-91

6. (C) Manufacturer's Serial Number N/A BAP 9-13-91

6. (D) National Board Number (if applicable) N/A BAP 9-13-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
SUBASSEMBLY NUMBER: 62-CVCS-176 (SN 9508)

6. (F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [ ]

6. (H) ASME Code Stamped YES [X] NO [ ]

7. Brief description of repair or replacement work performed: N-VT-3 E N-PT-9  
PERFORMED FOLLOWING OWNER ACTIVITIES INVOLVING SURFACE PREPARATION  
AND/OR BLEMISH REMOVAL AT OR NEAR WELD.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A BAP 9-13-91  
Nominal operating pressure [ ] Other [ ] N/A BAP 9-13-91  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: WORKPLAN NO. M5841-1

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A BAP 9-13-91  
Prepared by [Signature] NC-MODS Date 9-13-91  
Organization

ANII [Signature] Date 11-6-91  
Sh nos. filled in by ISI programs 4 Replacement (Modification)  
For work performed by certificate holder 5 When required by Construction  
Replaced (like or equivalent) Code

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 4-25-91  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 1 of 1  
Unit 1  
Report Tracking No. 91-74-198  
Type Code Symbol Stamp<sup>b</sup> N/A WBS 4-25-91  
Authorization No.<sup>b</sup> N/A WBS 4-25-91  
Expiration Date<sup>b</sup> N/A WBS 4-25-91

3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

4. Identification of System 74, RHR ASME-CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A WBS 4-25-91

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 1074-A432-3-3, RB-1, AZ ≈ 140°  
R=48', EL. 741'-4" (8" φ Pipe)

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TENN.

6(C). Manufacturer's Serial Number (2) BP-2410-1.5, SN-895 & SN-795

6(D). National Board Number (if applicable) N/A WBS 4-25-91

6(E). Other Identification (subassembly number, heat number, etc.)  
N/A WBS 4-25-91

6(F). Year Built 1990

6(G). Repaired  Replaced  Replacement   
6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
Modify and Relocate pipe support under W.P.C-WBP880173-1.  
(REALIGNED SNUBBERS) LE 9/50/91

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A WBS 4-25-91 psi Test Temperature N/A WBS 4-25-91 °F

9. Remarks: None

(N/A) Applicable manufacturer's data reports to be attached.  
Responsible Engr William L. Lemell Date 4-25-91  
Organization MEANUC

PAGE 354 OF 504  
Date 11-2-91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.  
WP C-WBP880173-1  
PAGE VIII-6A

WP KK06001A-1  
PAGE IX-2 OF IX-39

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 9-19-90  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Unit 1
3. Work Performed by: TVA Report Tracking No. 91-68-199  
Company Type Code Symbol Stamp<sup>b</sup> N/A EB 9-19-90  
P.O. Box 2000 Address Authorization No.<sup>b</sup> N/A EB 9-19-90  
SPRING CITY, TN City and State Expiration Date<sup>b</sup> N/A EB 9-19-90
4. Identification of System GB RCS ASME-CLASS 1
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 9-19-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1068-1-68-333 / RB #1 / AZ 42° 47' / R=34' 10 3/8"  
(2" φ PIPE)
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN
- 6(C). Manufacturer's Serial Number N/A EB 9-19-90
- 6(D). National Board Number (if applicable) N/A EB 9-19-90
- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90
- 6(F). Year Built SUPPORT VOIDED 1990
- 6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
SUPPORT VOIDED PER WORK PLAN # K-K06001A-1  
JEFF GOULART NOTIFIED 5-9-90 TO REMOVE VOIDED SUPPORT FROM TI-50A LIST.
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A EB 9-19-90 psi Test Temperature N/A °F
9. Remarks: \* VIBRATION TEST # TE-103-68-01

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr. [Signature] MEA-NC Date 9-19-90  
Organization

ANII [Signature] Date 11-5-91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 9-19-90  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Unit 1
3. Work Performed by: TVA Report Tracking No. 91-68-200  
Company Type Code Symbol Stamp<sup>b</sup> NA EB 9-19-90  
P.O. Box 2000 Address Authorization No.<sup>b</sup> N/A EB 9-19-90  
SPRING CITY, TN City and State Expiration Date<sup>b</sup> N/A EB 9-19-90
4. Identification of System GB, RCS ASME-CLASS 1
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 9-19-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT #1068-1-68-335/RB#1/EL. 702'-9 3/8" / AZ 42° 47' / R=37'-10 3/8"  
(2" φ PIPE)
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.
- 6(C). Manufacturer's Serial Number N/A EB 9-19-90
- 6(D). National Board Number (if applicable) N/A EB 9-19-90
- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90
- 6(F). Year Built SUPPORT VOIDED IN 1990
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
SUPPORT VOIDED PER WORKPLAN # K-K06001A-1  
JEFF GOULART NOTIFIED ON 5-9-90 TO REMOVE VOIDED SUPPORT FROM TI-SOA LIST.
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 9-19-90 psi Test Temperature N/A °F
9. Remarks: \* VIBRATION TEST # TI-103-68-01 DEP 10/28/91

(N/A) Applicable manufacturer's data report<sup>c</sup> to be attached.  
Responsible Engr [Signature] IMEA-NC Date 9-19-90  
Organization

ANII [Signature] Date 11-5-91

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 9-19-90  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

3. Work\* Performed by: TVA Company  
P.O. Box 2000 Address  
SPRING CITY, TN City and State

Sheet<sup>a</sup> 1 of 1  
Unit 1  
Report Tracking No. 91-68-201  
Type Code Symbol Stamp<sup>b</sup> N/A EB 9-19-90  
Authorization No.<sup>b</sup> N/A EB 9-19-90  
Expiration Date<sup>b</sup> N/A EB 9-19-90

4. Identification of System 68 RCS ASME-CLASS 1

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 9-19-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1068-1-68-334/RB\*1/EL.703'9"/R=29'-2 7/8"/AZ 44° 48' (2" φ PIPE)

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

6(C). Manufacturer's Serial Number N/A EB 9-19-90

6(D). National Board Number (if applicable) N/A EB 9-19-90

6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90

6(F). Year Built SUPPORT MODIFIED 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
MODIFIED SUPPORT PER WORK PLAN # K-K06001A-1 (DELETED SNUBBER)  
\*\* Installed MISSING Spring Rod 9/30/91

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 9-19-90 psi Test Temperature N/A °F

9. Remarks: \* VIBRATION TEST # FE 103-68-01 DEP 10/20/91  
\*\* VT-3 INSPECTED ON 9-14-90. VT-4 TO BE COMPLETED WHEN SPRING CAN IS SET AT A LATER DATE (TRACKED BY OWIN-1-000-5778) DEP 10/20/91

6. Applicable manufacturer's data report<sup>e</sup> to be attached. N/A  
Responsible Engr [Signature] / MEA-NC Date 9-19-90  
Organization

ANII [Signature] Date 11-5-91

<sup>a</sup> Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent).  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code.

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

Page 288 J.T. 10/11/91 WORKPLAN

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 10/11/91

Report Tracking Number 91-68-202

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE

Sheet 1 of 1 Unit 1 WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Company WATTS BAR NUCLEAR PLANT Address SPRING CITY, TENNESSEE City and State Authorization No. 2 N-1480-1 Expiration Date 2 AUG. 06, 1991

4. Identification of system PIPING SYSTEM (SYS. 068), HANGERS

5. (A) Applicable Construction Code ASME SECTION III AISC 1973 Edition THROUGH Addenda SUMMER 1973 Code Case N/A

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1068-A465-8-80

6. (B) Name of manufacturer N/A Address of manufacturer (if known) N/A

6. (C) Manufacturer's Serial Number N/A

6. (D) National Board Number (if applicable) N/A

6. (E) Other identification (Subassembly number, heat number, etc.) DCA K06031-01-0 AND K06031-09-0

6. (F) Year built N/A Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced [ ] Replacement [ ]

6. (H) ASME Code Stamped YES [X] NO [ ]

7. Brief description of repair or replacement work performed: NEW PIPE SUPPORT WHICH IS INSTALLED PER ABOVE DGAS.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other [ ] Pressure [ ] Test Temperature [ ]

9. Remarks: WORKPLAN NO. K-K06031A-1

( ) Applicable Manufacturer's Data Report 5 to be attached.

Prepared by J.T. [Signature] Organization MODS Date 10/11/91

ANII B. Eamigh Date 11/22/91

et nos. filled in by ISI programs 4 Replacement (Modification) work performed by certificate holder 5 When required by Construction Replaced (like or equivalent) Code

WORKPLAN K-K06031A-1

1068-A465-8-84 1068-A465-8-85 1068-A465 81 1068-A465-8-87 1068-A465-8-83



APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/1/91  
Report Tracking Number 91-68-203 <sup>604</sup> <sub>10/1/91</sub>

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 of 1  
Unit 1  
WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA <sup>J.T. 10/1/91</sup>  
Company  
WATTS BAR NUCLEAR PLANT Authorization No. 2 N-14801  
Address  
SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system PIPING SYSTEM (SYS. 068) & HANGERS

5. (A) Applicable Construction Code ASME SECTION III 1973 Edition  
THROUGH Addenda JUNE, SUMMER 1973 Code Case NIA <sup>J.T. 10/1/91</sup>

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) PIPE SUPPORT  
ID. 1068-A465-8-81

6. (B) Name of manufacturer NIA <sup>J.T. 10/1/91</sup>  
Address of manufacturer (if known) NIA <sup>J.T. 10/1/91</sup>

6. (C) Manufacturer's Serial Number NIA <sup>J.T. 10/1/91</sup>

6. (D) National Board Number (if applicable) NIA <sup>J.T. 10/1/91</sup>

6. (E) Other identification (Subassembly number, heat number, etc.)  
DCA K06031-01-0 AND K06031-10-0

6. (F) Year built NIA <sup>J.T. 10/1/91</sup> Code Class 1 [ ] 2

6. (G) Repaired [ ] <sup>10/1/91</sup> Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [ ] NIA <sup>J.T. 10/1/91</sup>

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: REMOVING OLD  
PIPE SUPPORT AND REPLACING WITH A NEW SUPPORT PER ABOVE  
DCA S. <sup>J.T. 10/1/91</sup>

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] NIA <sup>J.T. 10/1/91</sup>  
Nominal operating pressure [ ] Other [ ] NIA <sup>J.T. 10/1/91</sup>  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F NIA <sup>J.T. 10/1/91</sup>

9. Remarks: WORKPLAN NO. K-K06031A-1  
NIA <sup>J.T. 10/1/91</sup>

( ) Applicable Manufacturer's Data Report<sup>5</sup> to be attached. NIA <sup>J.T. 10/1/91</sup>

Prepared by J. Tash MODS Date 10/1/91  
Organization  
ANII B. Earnigh Date 11/22/91

1 Sheet nos. filled in by ISI programs  
2 For work performed by certificate holder  
3 Replaced (like or equivalent)  
4 Replacement (Modification)  
5 When required by Construction Code

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 9/30/91  
Report Tracking Number 91-68-208

809  
10/1/91

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 1 of 1  
Unit 1  
WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA  
Company WATTS BAR NUCLEAR PLANT Authorization No. 2 N-14801  
Address SPRING CITY, TENNESSEE Expiration Date 2 AUG. 06, 1991  
City and State

4. Identification of system PIPING SYSTEM (SYS. 068) & HANGERS

5. (A) Applicable Construction Code ASME SECTION III 1973 Edition  
Addenda JUNE SUMMER 1973 Code Case N/A

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT ID. 1068-A465-B-86

6. (B) Name of manufacturer N/A  
Address of manufacturer (if known) N/A

6. (C) Manufacturer's Serial Number N/A

6. (D) National Board Number (if applicable) N/A

6. (E) Other identification (Subassembly number, heat number, etc.)  
DCA K06031A-01-0 & DCA K06031A-02-0

6. (F) Year built N/A Code Class 1  2

6. (G) Repaired  Replaced

6. (H) ASME Code Stamped YES  NO  Replacement  N/A

7. Brief description of repair or replacement work performed: PIPE SUPPORT MODIFICATION (REMOVED SNUBBER AND REPLACED WITH STRUT). ALSO RETAGED THE SUPPORT WITH A NEW ID

8. Tests Conducted: Hydrostatic  Pneumatic  Other   
Nominal operating pressure  Test Temperature

9. Remarks: WORKPLAN NO. K-K06031A-1

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A

Prepared by J. Tash Organization MODS Date 10/1/91

ANII B Earnest Date 11/22/91

Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
For work performed by certificate holder 5 When required by Construction  
Replaced (like or equivalent)

1068-A465-B-88  
1068-A465-B-87

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 10/11/91 Report Tracking Number 91-68-209 10/11/91

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE Sheet 1 of 1 Unit 1 WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Company WATTS BAR NUCLEAR PLANT Address SPRING CITY, TENNESSEE City and State Type Code Symbol Stamp 2 NA 10/11/91 Authorization No. 2 N-1480-1 Expiration Date 2 AUG. 06, 1991

4. Identification of system PIPING SYSTEM (STS-068) & HAGERS J.T. 10/19/91 AISC J.T. 10/19/91 1973 J.T. 10/19/91
5. (A) Applicable Construction Code ASME SECTION III 1977 Edition THROUGH Addenda SUMMER 1973 Code Case N/A J.T. 10/11/91
5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1068-A465-8-88

6. (B) Name of manufacturer N/A J.T. 10/11/91 Address of manufacturer (if known) N/A J.T. 10/11/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/11/91

6. (D) National Board Number (if applicable) N/A J.T. 10/11/91

6. (E) Other identification (Subassembly number, heat number, etc.) DCA K06031-01-0 & DCA K06031-02-0

6. (F) Year built N/A J.T. 10/11/91 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced 3 [ ] Replacement 4 [-] N/A J.T. 10/11/91

6. (H) ASME Code Stamped YES [X] NO [X] J.T. 10/11/91

7. Brief description of repair or replacement work performed: PIPE SUPPORT MODIFICATION (REPLACED SHIM # AND ADDED A NEW TS 4KX 1/2) X-OUT EXISTING ID# AND REPLACE WITH A NEW ID#

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A J.T. 10/11/91 Nominal operating pressure [ ] Other [-] N/A J.T. 10/11/91 Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F N/A J.T. 10/11/91

9. Remarks: WORKPLAN NO. K-K06031A-1 N/A J.T. 10/11/91

( ) Applicable Manufacturer's Data Report 5 to be attached. N/A J.T. Prepared by J. Traub 1 MODS Date 10/11/91 10/11/91 Organization

ANII B Eason Date 11/22/91

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification)
2 For work performed by certificate holder 5 When required by Construction Code
3 Replaced (like or equivalent)

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 10/1/91 Report Tracking Number 91-68-210

2. (Address) WATTS BAR NUCLEAR PLANT P.O. BOX 2000 SPRING CITY, TENNESSEE Sheet 1 of 1 Unit 1 WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Company WATTS BAR NUCLEAR PLANT Address SPRING CITY, TENNESSEE Type Code Symbol Stamp 2 NA Authorization No. 2 N-1480-1 Expiration Date 2 AUG. 06, 1991 City and State

4. Identification of system PIPING SYSTEM (SYS-068) & HANGERS

5. (A) Applicable Construction Code ASME SECTION III 1973 Edition Addenda THROUGH Addenda JUNE 1973 Code Case N/A

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1068-A465-B-94

6. (B) Name of manufacturer N/A Address of manufacturer (if known) N/A

6. (C) Manufacturer's Serial Number N/A

6. (D) National Board Number (if applicable) N/A

6. (E) Other identification (Subassembly number, heat number, etc.) DCA K06031-01-0 AND K06031-06-0

6. (F) Year built N/A Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced [ ] Replacement [ ]

6. (H) ASME Code Stamped YES [X] NO [ ]

7. Brief description of repair or replacement work performed: PIPE SUPPORT MODIFICATION (ADDED A NEW SHIM & AN ANGLE L5X6X3/8) X-OUT EXISTING ID # AND REPLACED BY A NEW ID #

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other [ ] Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: WORKPLAN NO. K-K06031A-1

Prepared by J. Trish Organization MODS Date 10/1/91

ANII B. Earnigh Date 11/22/91

2 Sheet nos. filled in by ISI programs 4 Replacement (Modification) 3 Replaced (like or equivalent) 5 When required by Construction Code

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 10/11/91 Report Tracking Number 91-68-211 <sup>29</sup> <sub>10/11/91</sub>

2. (Address) WATTS BAR NUCLEAR PLANT Sheet 1 1 of 1  
P.O. BOX 2000 Unit 1  
SPRING CITY, TENNESSEE WID No. K-K06031A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA <sup>J.T.</sup> <sub>10/11/91</sub>  
WATTS BAR NUCLEAR PLANT Company Authorization No. 2 N-14801  
SPRING CITY, TENNESSEE Address Expiration Date 2 AUG. 06, 1991  
City and State

4. Identification of system PIPING SYSTEM (SYS. 068) & HANGERS  
J.T. 10/11/91 ASME SECTION III 1973 J.T. 10/11/91  
5. (A) Applicable Construction Code ASME SECTION III 1973 Edition  
THROUGH Addenda JUNE 1973 Code Case N/A J.T. 10/11/91  
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT  
ID. 1068-A465-8-83

6. (B) Name of manufacturer N/A J.T. 10/11/91  
Address of manufacturer (if known) N/A J.T. 10/11/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/11/91

6. (D) National Board Number (if applicable) N/A J.T. 10/11/91

6. (E) Other identification (Subassembly number, heat number, etc.)  
DCA K06031-12-0 AND K06031-01-0

6. (F) Year built N/A J.T. 10/11/91 Code Class 1 [ ] 2

6. (G) Repaired [ ] 10/11/91 Replaced 3 [ ] Replacement 4 [ ] N/A

6. (H) ASME Code Stamped YES  NO  J.T. 10/11/91

7. Brief description of repair or replacement work performed: PIPE SUPPORT  
MODIFICATION (REPLACING ITEMS 3 & 4 WITH NEW MATERIAL  
T3 X 3 X 1/4 & T34 X 4 X 1/2 ALSO ADDED TOP R 4 X 4 X 1/4)

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] N/A J.T. 10/11/91  
Nominal operating pressure [ ] Other [ ] N/A J.T. 10/11/91  
Pressure psi Test Temperature F N/A J.T. 10/11/91

9. Remarks: WORKPLAN NO. K-K06031A-1  
N/A J.T. 10/11/91  
( ) Applicable Manufacturer's Data Report 5 to be attached. N/A J.T. 10/11/91  
Prepared by J. Taak 1 MODS Date 10/11/91  
Organization  
ANII B. Earmagh Date 11/22/91

1 Sheet nos. filled in by ISI programs  
2 For work performed by certificate holder  
3 Replaced (like or equivalent)  
4 Replacement (Modification)  
5 When required by Construction Code

WORKPLAN K-K06031A-1  
PAGE 363 OF 564 Page IX-45A OF IX-126

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 4/23/91  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 1 of 1  
Unit 1  
Report Tracking No. 91-03-213 10/2/91  
Type Code Symbol Stamp<sup>b</sup> N/A RLO 4/23/91
3. Work Performed by: TVA Company  
PO BOX 2000 Address  
SPRING CITY, TN. City and State  
Authorization No.<sup>b</sup> N/A RLO 4/23/91  
Expiration Date<sup>b</sup> N/A RLO 4/23/91
4. Identification of System 03 FEED WATER 10/1/92
- 5(A). Applicable Construction Code ASME SECTION IX 1980  
Edition THROUGH 1987 WINTER Addenda N/A RLO 4/23/91
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 1003-A401-2-12; BP 2420-.35 SNUBBER PSA 1/4; 10"X10" PLATE; 2"X2" TUBE STEEL; AUX BLDG., EL. 729'-6", 1'-1/4" E OF AI; 13'-11 3/4" N OF U
- 6(B). Name of Manufacturer TVA; BERGEN PATERSON  
Address of Manufacturer (if known) SPRING CITY, TN.; WOBURN, MASS.
- 6(C). Manufacturer's Serial Number FOR SNUBBER S/N-21444
- 6(D). National Board Number (if applicable) N/A RLO 4/23/91
- 6(E). Other Identification (subassembly number, heat number, etc.) TUBE STEEL A500 GR. B HT. # B01A26360; PLATE A36 HT. # B41B4-1D
- 6(F). Year Built 1990
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
THIS SUPPORT IS A NEW INSTALLATION
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A RLO 4/23/91 psi Test Temperature N/A RLO 4/23/91 °F
9. Remarks: THIS SUPPORT WAS INSTALLED BY WORK PLAN K-P04522A-1.

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Ronnie L. Kelley MEA Date 4/23/91  
Organization

ANII B. Eamm Date 1/10/92

1003A-1-03A-520 1003A-1-03A-529

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 4/23/91  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
P. O. Box 2000 Unit 1  
Spring City, Tennessee Report Tracking No. 91-03-214 10/2/91
3. Work Performed by: TVA Type Code Symbol Stamp<sup>b</sup> N/A RLO 4/23/91  
Company Address P.O. Box 2000 Authorization No.<sup>b</sup> N/A RLO 4/23/91  
SPRING CITY, TENN. Expiration Date<sup>b</sup> N/A RLO 4/23/91  
City and State
4. Identification of System 03 FEED WATER LE. 80K 1/6/92
- 5(A). Applicable Construction Code ASME SECTION XI 1980-69  
Edition THROUGH 1981 WINTER Addenda N/A RLO 4/23/91
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
1003A-1-03A-520; BP 2540-135 PSA-1/4; TUBE STEEL, BP 2640-1.5 CLAMP FOR 2" PIPE; EL. 729'-6"; SOUTH VALVE ROOM
- 6(B). Name of Manufacturer TVA & BERGEN PATERSON  
Address of Manufacturer (if known) SPRING CITY, TN.; WOBURN, MASS.
- 6(C). Manufacturer's Serial Number FOR SNUBBER SN-4451
- 6(D). National Board Number (if applicable) N/A RLO 4/23/91
- 6(E). Other Identification (subassembly number, heat number, etc.)  
TUBE STEEL A500 GR. B HT. # (UNKNOWN); PLATE A36 HT. # (UNKNOWN)
- 6(F). Year Built N/A RLO 4/23/91
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
THIS SUPPORT WAS DELETED BY WORK PLAN KPO4522A-1
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A RLO 4/23/91 Test Temperature N/A RLO 4/23/91
9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Ronnie L. O'Keefe MEA Date 4/23/91

Organization B Earmyn  
ANII N/A BME 12/5/91 Date N/A BME 12/5/91  
12/7/95  
BME 12/7/95

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>a</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 4/23/91  
Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
PO Box 2000  
Address  
SPRING CITY, TN.  
City and State

Report Tracking No. 91-03-215  
Type Code Symbol Stamp<sup>b</sup> N/A RLO 4/23/91  
Authorization No.<sup>b</sup> N/A RLO 4/23/91  
Expiration Date<sup>b</sup> N/A RLO 4/23/91

4. Identification of System O3 FEED WATER  
5(A). Applicable Construction Code ASME SECTION XI 1980-69  
Edition THROUGH 1981 WINTER Addenda N/A RLO 4/23/91  
5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980  
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
1003A-1-03A-529; BP SNUBBER 2540-1.5 PSA-1; BP 2640-1.5 CLAMP FOR 2" Ø PIPE; EL. 729'-6"; SOUTH VALVE ROOM  
6(B). Name of Manufacturer TVA & BERGEN PATERSON  
Address of Manufacturer (if known) SPRING CITY, TN.; WOBURN, MASS.  
6(C). Manufacturer's Serial Number FOR SNUBBER SN-3194  
6(D). National Board Number (if applicable) N/A RLO 4/23/91  
6(E). Other Identification (subassembly number, heat number, etc.) TUBE STEEL A 500 GR. B HT.#(UNKNOWN)  
5(F). Year Built N/A RLO 4/23/91  
5(G). Repaired  Replaced  Replacement   
5(H). ASME Code Stamped Yes  No

Brief description of repair or replacement work performed.  
THIS SUPPORT WAS DELETED BY WORK PLAN K-P04522A-1

Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A RLO 4/23/91 psi Test Temperature N/A RLO 4/23/91 °F

Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Ronnie L. O'Keefe MEA Date 4/23/91  
Organization ANII Date 12/5/91

PAGE 366 OF 569

heat Nos. filled in by Testing and Diagnostic Programs Branch.  
or work performed by certificate holder  
eplaced (like or equivalent).  
eplacement (modification).  
en required by Construction Code



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

WORKPLAN K-P04588A-1

APPENDIX E  
Page 1 of 1

Page IX-22 OF IX-58

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10-3-91  
Report Tracking Number 91-062-218

*dy*  
10/19/91

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TN

Sheet 1 of  
Unit #1

WID No. K-P04588A-1

10-3-91

3. Work performed by: TVA

Company

Type Code Symbol Stamp NA

P.O. Box 2000

Address

Authorization No. NA  10-3-91

SPRING CITY, TN

City and State

Expiration Date NA  10-3-91

4. Identification of system 62/CVCS, ASME CLASS 2 (4" Ø PIPE)

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda N/A  10-3-91 Code Case N/A  10-3-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT #1-62A-ISA, REACTOR BLDG., EL 713'-9", RAD 52'-0", AZ. 280°-30'

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6. (C) Manufacturer's Serial Number NA  10-3-91

6. (D) National Board Number (if applicable) NA  10-3-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
BP # 2015 R/1-07, 6202-07, STRUT & CLAMP

6. (F) Year built 1990 Code Class 1  2

6. (G) Repaired  Replaced

6. (H) ASME Code Stamped YES  NO  Replacement

7. Brief description of repair or replacement work performed: MODIFY EXISTING PIPE SUPPORT BY INSTALLING NEW STRUT ASS'Y AND CLAMP PER WP K-P04588A-1

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other  10-3-91  
Pressure NA  10-3-91 psi Test Temperature NA  F

9. Remarks: SUPPORT COMPLETE AND DOCUMENTED

3-91  (NA) Applicable Manufacturer's Data Report 5 to be attached.  
Prepared by Bruce Neal / MOD Date 10-3-91

ANII [Signature] Organization

1 Sheet nos. filled in by ISI programs Date 11-2-91  
2 For work performed by certificate holder 4 Replacement (Modification)  
3 Replaced (like or equivalent) 5 When required by Construction Code

1-62A-0719

VERIFIED FOR USE  
DATE VERIFIED: 5-5-91  
VERIFIED BY: W Russell  
VFU COPY EXPIRES AFTER: 5-27-91

WBN  
AI-9.15  
Revision 11  
Page 26 of 33

18

VERIFIED FOR USE

DATE VERIFIED: 6-5-91  
VERIFIED BY: Dennis E. [Signature]  
VFU COPY EXPIRES AFTER: 6-19-91

APPENDIX D  
Page 1 of 1

MRA 418457  
Page of

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date 5-14-91
  2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Unit 1
  3. Work Performed by: TVA (WBNP) Report Tracking No. 91-63-222  
Company Type Code Symbol Stamp<sup>b</sup> N/A UBR 5/14/91  
P.O. Box 2000.. N/A UBR 5-14-91 Authorization No. <sup>b</sup> N/A UBR 5/14/91  
Address N/A UBR 5-14-91 Expiration Date<sup>b</sup> N/A UBR 5/14/91  
SPRING CITY, TN City and State
  4. Identification of System 063 515
  - 5(A). Applicable Construction Code ASME III 1971 UBR 5/20-91  
Edition 1971 SECTION III Addenda SUMMER 1977 WINTER 1975 by 5
  - 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W81
  - 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
SHELL MANWAY BOLTING; BOLTS 3/4 X 3 3/4 SS ASME SA193  
GR BB, NUTS 3/4" SS ASME SA194 GA B
  - 6(B). Name of Manufacturer PITTSBURGH-DES MOINES  
Address of Manufacturer (if known) \_\_\_\_\_
  - 6(C). Manufacturer's Serial Number CONTRACT NO 56039
  - 6(D). National Board Number (if applicable) 1034
  - 6(E). Other Identification (subassembly number, heat number, etc.)  
REFUELING WATER STORAGE TANK (1-TANK-063-0046)
  - 6(F). Year Built 1980
  - 6(G). Repaired  Replaced <sup>c</sup> Replacement  UBR 5/14/91
  - 6(H). ASME Code Stamped Yes  No
  7. Brief description of repair or replacement work performed.  
REPLACEMENT OF 2 TEMPORARY BOLTS AND 4 TEMPORARY NUTS
  8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ °F
  9. Remarks: VISUAL EXAMINATION OF MANWAY FLANGE TO VERIFY NO  
LEAKS AT SYS. PRESSURE
- ( ) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr D Waters / 1 MPS Date 5/15/91  
Organization \_\_\_\_\_

ANII [Signature] Date 10/13/91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

PAGE 368 OF 564  
MAR 27 1991  
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APPENDIX E  
Page 1 of 1

WORKPLAN K-K06034A-1  
Page IX-11 OF IX-37

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/6/91  
Report Tracking Number 91-68-223

J.T.  
10/7/91

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 1 of 1  
Unit 1  
WID No. K-K06034A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY  
Company  
WATTS BAR NUCLEAR PLANT  
Address  
SPRING CITY, TENNESSEE  
City and State

Type Code Symbol Stamp<sup>2</sup> NA  
Authorization No.<sup>2</sup> N-1480-1  
Expiration Date<sup>2</sup> AUG. 06, 1991

J.T.  
10/6/91

4. Identification of system PIPING SYSTEM (SYS: 068) & SUPPORTS

5. (A) Applicable Construction Code ASME SECTION III Edition 1973  
THROUGH Addenda SUMMER 1973 Code Case N/A

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT  
ID. 1068-1-68-449

(B) Name of manufacturer N/A  
Address of manufacturer (if known) N/A

(C) Manufacturer's Serial Number N/A

(D) National Board Number (if applicable) N/A

(E) Other identification (Subassembly number, heat number, etc.) DCA K06034A PSES 67

(F) Year built N/A Code Class 1 [X] 2 [ ]

(G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [ ]

(H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: SUPPORT HAS BEEN REMOVED AND VOIDED.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: WORKPLAN NO. K-K06034A-1

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.

Prepared by J. Tash Organization MODS Date 10/15/91

\* ANII N/A Date 4/8/96  
Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by Construction  
Replaced (like or equivalent) Code

\* B. Eamigh 4/8/96

APPENDIX E Page 1 of 1

WORKPLAN K-K06034A-1  
Page IX-2b OF IX-37

Summary Report Form NIS-2 Attachment.

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 10/6/91  
Report Tracking Number 91-68-224

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 1 of 1  
Unit 1  
WID No. K-K06034A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp<sup>2</sup> NA  
Company WATTS BAR NUCLEAR PLANT Authorization No. 2 N-1480-1  
Address SPRING CITY, TENNESSEE Expiration Date<sup>2</sup> AUG. 06, 1991  
City and State

4. Identification of system PIPING SYSTEM (SYS 068) & SUPPORTS

5. (A) Applicable Construction Code ASME SECTION III Edition 1973  
THROUGH Addenda SUMMER 1973 Code Case NIA

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT I.D.  
1068-1-68-392

6. (B) Name of manufacturer NIA  
Address of manufacturer (if known) NIA

6. (C) Manufacturer's Serial Number NIA

6. (D) National Board Number (if applicable) NIA

6. (E) Other identification (Subassembly number, heat number, etc.) DCA K06034-127, -128

6. (F) Year built NIA Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>  NIA

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: SUPPORT HAS BEEN REMOVED AND VOIDED.

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: WORKPLAN NO. K-K06034A-1

( ) Applicable Manufacturer's Data Report<sup>5</sup> to be attached. NIA  
Prepared by J. T. Ash Organization MODS Date 10/6/91

ANII B. Egan Date 4/8/96  
ANII Date 4/8/96

Sheet nos. filled in by ISI programs 4 Replacement (Modification) 4/8/96  
For work performed by certificate holder 5 When required by Construction Code  
3 Replaced (like or equivalent)

APPENDIX E Page 1 of 1

WORKPLAN K-K06034A-1  
Page IX-12a of IX-37

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power

Date 10/6/91  
Report Tracking Number 91-68-225 <sup>801</sup> <sub>10/7/91</sub>

2. (Address) WATTS BAR NUCLEAR PLANT  
P.O. BOX 2000  
SPRING CITY, TENNESSEE

Sheet 1 of 1  
Unit 1  
WID No. K-K06034A-1

3. Work performed by: TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp NA <sup>J.T.</sup> <sub>10/6/91</sub>  
Company  
WATTS BAR NUCLEAR PLANT Authorization No. 2 N-1480-1  
Address  
SPRING CITY, TENNESSEE Expiration Date 2 AUG. 06, 1991  
City and State

4. Identification of system PIPING SYSTEM (SYS 068) & SUPPORTS

5. (A) Applicable Construction Code ASME SECTION III <sup>J.T. 10/15/91</sup> <sub>1973</sub> <sup>J.T. 10/15/91</sup> Edition  
THROUGH Addenda SUMMER 1973 Code Case NIA <sup>J.T. 10/6/91</sup>

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID.  
1068-1-68-392 413 <sup>J.T. 10/6/91</sup>

6. (B) Name of manufacturer NIA <sup>J.T. 10/6/91</sup>  
Address of manufacturer (if known) NIA <sup>J.T. 10/6/91</sup>

6. (C) Manufacturer's Serial Number NIA <sup>J.T. 10/6/91</sup>

6. (D) National Board Number (if applicable) NIA <sup>J.T. 10/6/91</sup>

6. (E) Other identification (Subassembly number, heat number, etc.) DCA K06034-63, -641-651-66

6. (F) Year built NIA <sup>J.T. 10/6/91</sup> Code Class 1  2

6. (G) Repaired  Replaced  Replacement  NIA <sup>J.T. 10/6/91</sup>

6. (H) ASME Code Stamped YES  NO  <sup>J.T. 10/15/91</sup>

7. Brief description of repair or replacement work performed: SUPPORT HAS BEEN REMOVED AND VOIDED

8. Tests Conducted: Hydrostatic  Pneumatic  NIA <sup>J.T. 10/6/91</sup>  
Nominal operating pressure  Other  NIA <sup>J.T. 10/6/91</sup>  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F NIA <sup>J.T. 10/6/91</sup>

9. Remarks: WORKPLAN NO. K-K06034A-1 <sup>J.T. 10/6/91</sup>

( ) Applicable Manufacturer's Data Report 5 to be attached. NIA <sup>J.T. 10/6/91</sup>  
Prepared by J. Tark / MDS Date 10/6/91

\* ANII NIA <sup>J.T. 12/5/91</sup> BONE <sup>4/8/96</sup> Date NIA <sup>J.T. 12/5/91</sup>

2. Sheet nos. filled in by ISI programs  
3. Replaced (like or equivalent) For work performed by certificate holder  
4. Replacement (Modification)  
5. When required by Construction Code

\* B. Eamigh 4/8/96

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

APPENDIX B  
Page 1 of 1

WORKPLAN KP04612A-1

Summary Report  
Form NIS-2 Attachment

Page IX-18A

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10-3-91  
Report Tracking Number 91-62-226 *SB 10-3-91*

2. (Address) P.O. BOX 2000  
SPRING CITY TN

Sheet 1 of       
Unit 1

WID No. KP.04612A-1

3. Work performed by: TVA  
Company

Type Code Symbol Stamp<sup>2</sup> NIA SB 10-2-91

P.O. BOX 2000  
Address

Authorization No.<sup>2</sup> NIA SB 10-2-91

SPRING CITY TN  
City and State

Expiration Date<sup>2</sup> NIA SB 10-2-91

4: Identification of system 062, CVCS ASME-CLASS 2

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda NIA SB 10-2-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda NIA SB 10-2-91

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) 1062-62-1CVC-R257 2" X 2" X 3/8" L PIPE SUPPORT NO

6. (B) Name of manufacturer TVA

6. (C) Manufacturer's Serial Number N/A SLK 10-2-91

6. (D) National Board Number (if applicable) NIA SB 10-2-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
HT # 114700

6. (F) Year built 1990

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Code Class 1 [ ] 2 [X]

6. (H) ASME Code Stamped YES [ ] NO [X] Replacement<sup>4</sup> [X]

7. Brief description of repair or replacement work performed:  
INSTALLED ITEM # 2 (STRUCTURAL SHAPE BY 10/10/91)

8. Tests Conducted: 98.104 Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure NIA SB 10-2-91 psi Test Temperature NIA SB 10-2-91 F

9. Remarks:

SB 10-2-91 (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by STAN KELLEY 1 MONS Date 10-2-91

ANII AN Z... Organization Date 2-1-92

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
2 For work performed by certificate holder 5 When required by Construction  
3 Replaced (like or equivalent) Code

PAGE 372 OF 564

APPENDIX B  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

WORKPLAN KP04612A1  
Page IX-36A

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10-3-91  
Report Tracking Number 91-62-227

10/10/91

2. (Address) P. O BOX 2000  
SPRING CITY TN

Sheet 1 of       
Unit 1

WID No. KP04612A-1

3. Work performed by: TVA  
Company  
P. O BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>2</sup> NIA SB 10-2-91

Authorization No.<sup>2</sup> NIA SB 10-2-91

Expiration Date<sup>2</sup> NIA SB 10-2-91

4: Identification of system 062, CVCS ASME-CLASS 2

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda NIA SB 10-2-91 Code Case NIA SB 10-3-91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
1062-62-1CVC-R258 2"X2"X3/8" PIPE SUPPORT NO

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6. (C) Manufacturer's Serial Number NIA SB 10-3-91

6. (D) National Board Number (if applicable) NIA SB 10-3-91

6. (E) Other identification (Subassembly number, heat number, etc.)  
HT # 114 900

6. (F) Year built 1990 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

6. (H) ASME Code Stamped YES [ ] NO [X]

7. Brief description of repair or replacement work performed: HEM #3 (STRUCTURAL SHAPE 10/10/91) INSTALLATION 10/16/92

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure NIA SB 10-2-91 psi Test Temperature NIA SB 10-2-91 F

9. Remarks:

SB 10-2-91 (NIA) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by STAN KELLEY / MODS Date 10-3-91

ANII STAN KELLEY Organization Date 2-1-92

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
For work performed by certificate holder <sup>5</sup> When required by Construction  
<sup>3</sup> Replaced (like or equivalent) Code

APPENDIX B  
Page 1 of 1

WORKPLAN KP04612A-1

Summary Report  
Form NIS-2 Attachment Page IX-122

1. (Owner) Tennessee Valley Authority  
Nuclear Power  
Date 10-3-91  
Report Tracking Number 91-62-228 *201*

2. (Address) P. O BOX 2000  
SPRING CITY TN  
Sheet 1 of       
Unit 1  
WID No. KP04612A-1  
*10/10/91*

3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> NIA SB 10-2-91  
Company  
P O BOX 2000 Authorization No.<sup>2</sup> NIA SB 10-2-91  
Address  
SPRING CITY TN Expiration Date<sup>2</sup> NIA SB 10-2-91  
City and State

4. Identification of system 062, CVCS ASME-CLASS 2

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda NIA SB 10-2-91 Code Case     

6. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) PIPE SUPPORT NO  
1062-62-1CVC-R277 MEM 8 9, (8"3"X3"X1/4") (9 TS 2"X2"X1/4")

(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

(C) Manufacturer's Serial Number NIA SB 10-4-91

(D) National Board Number (if applicable) NIA SB 10-4-91

(E) Other identification (Subassembly number, heat number, etc.)  
MEM 8 TS 3"X3"X1/4" AND # A130520 HT# 49575 FROM 4 TS 2"X2"X1/4" PNO# A128823

(F) Year built 1990 Code Class 1 [ ] 2 [X] *704343*

(G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

(H) ASME Code Stamped YES [ ] NO [ ]

7. Brief description of repair or replacement work performed: Removed 1-8-92  
334 INSTALL 30 ITEMS 2 & 8 (STRUCTURAL SAAPES 20 10/10/91)  
installed 1890

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure NIA SB 10-2-91 psi Test Temperature NIA SB 10-2-91 F

9. Remarks: NONE

10. SB 10-2-91 (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by STAN KELLEY 1 MOOS Date 10-4-91  
Organization

11. Sheet nos. filled in by ISI programs      4 Replacement (Modification)  
For work performed by certificate holder      5 When required by Construction  
Replaced (like or equivalent) Code



APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/15/91  
Report Tracking Number 91-229 *10/15/91*

2. (Address) P.O. Box 2000  
Spring City, TN.  
n/a CR 10/15/91

Sheet 1 of \_\_\_\_\_  
Unit 1  
WID No. K-PO 4704A1

3. Work performed by: TVA  
P.O. Box 2000 Company  
Spring City, TN. Address  
Spring City, TN. City and State

Type Code Symbol Stamp n/a CR 10/15/91  
Authorization No. 2 n/a CR 10/15/91  
Expiration Date 2 n/a CR 10/15/91

4. Identification of system 63 SIS ASME Class 1 3" Pipe

5. (A) Applicable Construction Code AISC  
June 73 Addenda n/a CR 10/15/91 Code Case n/a CR 10/15/91 1973 Edition

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 63-1-63-166  
Cont A2222° EL. 729'4 1/2 3" Pipe

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. Box 2000 Spring City, TN.

6. (C) Manufacturer's Serial Number n/a CR 10/15/91

6. (D) National Board Number (if applicable) n/a CR 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.) Tube Steel  
Ht. to 4343

6. (F) Year built 1990

Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>

6. (H) ASME Code Stamped YES  NO  Replacement<sup>4</sup>

7. Brief description of repair or replacement work performed: Weld Tube  
Steel To Base Plate, Add Addition Anchors

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: n/a CR 10/15/91

(10/15/91) Applicable Manufacturer's Data Report 5 to be attached.  
Prepared by D.F. Powell / MOOS Date 10/15/91

ANII B. Easmith Organization \_\_\_\_\_ Date 12/6/91

Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
For work performed by certificate holder 5 When required by Construction  
Replaced (like or equivalent)

4/H/10  
1-63-171  
4774435-6-8

APPENDIX E Page 1 of 1

Summary Report Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority Nuclear Power Date 10/15/91 Report Tracking Number 91-230 89 10/15/91

2. (Address) P.O. Box 2000 Spring City, TN. n/a CR 10/15/91 Sheet 1 of Unit 1 WID No. KIPD-4704A1

3. Work performed by: TVA Company P.O. Box 2000 Spring City, TN. Address TN. City and State Type Code Symbol Stamp2 n/a CR 10/15/91 Authorization No.2 n/a CR 10/15/91 Expiration Date2 n/a CR 10/15/91

4. Identification of system 63 SIS ASME Class 2 1 1/2" Pipe

5. (A) Applicable Construction Code AISC June '73 Addenda n/a CR 10/15/91 Code Case n/a CR 10/15/91 1973 Edition

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 47A435-6-99 2" Ht. T04343 Base Plate, Pipe Strap

6. (B) Name of manufacturer TVA Address of manufacturer (if known) P.O. Box 2000 Spring City, TN.

6. (C) Manufacturer's Serial Number n/a CR 10/15/91

6. (D) National Board Number (if applicable) n/a CR 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.) Tube Steel

6. (F) Year built 1990 Code Class 1 [ ] 2 [x]

6. (G) Repaired [ ] Replaced3 [ ] Replacement4 [x]

6. (H) ASME Code Stamped YES [ ] NO [x]

7. Brief description of repair or replacement work performed: Install Base Plate with 1/2" Anchor. Welded TS & Pipe Strap

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other [ ] Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: n/a CR 10/15/91

Prepared by D.E. Powell / MDDS Organization ANII B. Eamigh Date 10/15/91

1 Sheet nos. filled in by ISI programs 4 Replacement (Modification) 2 For work performed by certificate holder 5 When required by Construction 3 Replaced (like or equivalent) Code

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/15/91  
Report Tracking Number 91-231 10/15/91

2. (Address) P.O. Box 2000  
Spring City, TN.  
10/15/91

Sheet 1 of       
Unit 1  
WID No. K-PO 4704A-1

3. Work performed by: TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN.  
City and State

Type Code Symbol Stamp n/a 10/15/91  
Authorization No. 2 n/a 10/15/91  
Expiration Date 2 n/a 10/15/91

4. Identification of system 63 SIS ASME Class 1 3" Pipe

5. (A) Applicable Construction Code AISC 1973 Edition  
June '73 Addenda n/a 10/15/91 Code Case n/a DE.P 10/15/91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) 47A435-06-103  
CTMT A2 299.45, EL 730.3" BP Parts, TS

6. (B) Name of manufacturer BP  
Address of manufacturer (if known) n/a 10/15/91

6. (C) Manufacturer's Serial Number     

6. (D) National Board Number (if applicable)     

6. (E) Other identification (Subassembly number, heat number, etc.) TS HT 149575  
BP 2A40 R/2-065, BP 6202-07'81

6. (F) Year built 1990 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Install BP  
Stubber and Pipe Clamp with Tube Steel welded to w-12

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure      psi Test Temperature      F

9. Remarks: n/a 10/15/91

n/a 10/15/91 ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by D.E. Powell / MODS Date 10/15/91

ANII B. Earmagh Organization      Date 12/6/91

Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
<sup>2</sup> For work performed by certificate holder <sup>5</sup> When required by Construction  
<sup>3</sup> Replaced (like or equivalent) Code WORKPLAN K-PO-4704A-7

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/15/91  
Report Tracking Number 91-232 29 10/15/91

2. (Address) P.O. Box 2000  
Spring City, TN.  
N/A DEP 10/15/91

Sheet 1 of \_\_\_\_\_  
Unit 1  
WID No. K-PO-4704A-1

3. Work performed by: TVA Type Code Symbol Stamp N/A DEP 10/15/91  
P.O. Box 2000 Company  
Spring City, TN. Address Authorization No. N/A DEP 10/15/91  
Spring City, TN. City and State Expiration Date N/A DEP 10/15/91

4. Identification of system 63 SIS, ASME Class 1

5. (A) Applicable Construction Code AISC 1973 Edition  
June 73 Addenda N/A DEP 10/15/91 Code Case N/A DEP 10/15/91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 1063-A435-6-102  
LTMT AZ 292° EL. 729'2" 3" Pipe BP Parts

6. (B) Name of manufacturer B.P.  
Address of manufacturer \_\_\_\_\_

6. (C) Manufacturer's Serial Number N/A DEP 10/15/91

6. (D) National Board Number (if applicable) N/A DEP 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.) BP 2440 R12 1.5  
Snubber, BP 6202-1.5 R13 Pipe Clamp

6. (F) Year built 1990 Code Class 1  2

6. (G) Repaired  Replaced  Replacement

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Install  
BP Snubber and Pipe Clamp To 3" Pipe.

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F

9. Remarks: \_\_\_\_\_  
N/A DEP 10/15/91

Applicable Manufacturer's Data Report 5 to be attached.  
Prepared by D.E. Powell / MODS Date 10/15/91

ANII B. Ewing Organization \_\_\_\_\_ Date 12/6/91

2 Sheet nos. filled in by ISI programs 4 Replacement (Modification)  
3 For work performed by certificate holder 5 When required by Construction  
Replaced (like or equivalent) Code \_\_\_\_\_

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power  
Date 10/15/91  
Report Tracking Number 91-23389 101
2. (Address) P.O. Box 2000  
Spring City, TN.  
N/A 10/15/91  
Sheet 1 of       
Unit 1  
WID No. K-PO 4704A-1
3. Work performed by: TVA Type Code Symbol Stamp N/A 101  
Company  
P.O. Box 2000 Address Authorization No. N/A 10/15/91  
Spring City, TN. City and State Expiration Date N/A 10/15/91
4. Identification of system 63 SIS ASME Class 2 (3" Pipe)
5. (A) Applicable Construction Code AISC 1973 Edition  
June '73 Addenda N/A 10/15/91 Code Case N/A 10/15/91
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda
6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) Hanger Support 47A43  
Tube Steel AZ 292°32' EL 735'S"
6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. Box 2000 Spring City TN
6. (C) Manufacturer's Serial Number N/A 10/15/91
6. (D) National Board Number (if applicable) N/A 10/15/91
6. (E) Other identification (Subassembly number, heat number, etc.) N/A 10/15/91
6. (F) Year built 1990 Code Class 1 [ ] 2 [ ]
6. (G) Repaired [ ] Replaced<sup>3</sup> [X] Replacement<sup>4</sup> [ ]
6. (H) ASME Code Stamped YES [ ] NO [X]
7. Brief description of repair or replacement work performed: Support Deleted by Cutting from WB X20.
8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ F
9. Remarks: N/A 10/15/91

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by D.E. Powell / M605 Date 10/15/91

Organization

- \* ANII N/A 12/6/91 12/6/91 Date N/A 12/6/91 4/8/91
- 1 Sheet nos. filled in by ISI programs 4 Replacement (Modification)
- 2 For work performed by certificate holder 5 When required by Construction
- 3 Replaced (like or equivalent) Code

WORKPLAN  
KPO 4704A-1

\* B. Earnigh 4/8/96

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10/15/91  
Report Tracking Number 91-234 80/10/15/91

2. (Address) P.O. Box 2000  
Spring City, TN.  
n/a QP 10/15/91

Sheet 1 of       
Unit       
WID No. KPO 4704A-1

3. Work performed by: TVA  
P.O. Box 2000 Company Type Code Symbol Stamp n/a QP 10/15/91  
Spring City, TN. Address Authorization No. 2 n/a QP 10/15/91  
     City and State Expiration Date 2 n/a QP 10/15/91

4. Identification of system 63 SIS ASME Class 2

5. (A) Applicable Construction Code AISC  
June '73 Addenda n/a QP 10/15/91 Code Case n/a QP 10/15/91 1973 Edition  
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) 3" TS, AZ 293.32 EL. 723' B" - Reactor Bldg.  
BP 2410.35

6. (B) Name of manufacturer BP

Address of manufacturer (if known) n/a QP 10/15/91

6. (C) Manufacturer's Serial Number SN-4530

6. (D) National Board Number (if applicable) n/a QP 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.)  
Hgr. No. 47A 435-10-48 TS Ht. 149575

6. (F) Year built 1990 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]

6. (H) ASME Code Stamped YES [ ] NO [X]

7. Brief description of repair or replacement work performed: Install Support w/ Snubber and Tube Steel to Existing w-12

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure      psi Test Temperature      F

9. Remarks: n/a QP 10/15/91

Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by D.E. Powell MODS Date 10/15/91

ANII B. Earmagh Organization      Date 12/6/91

Sheet nos. filled in by ISI programs      4 Replacement (Modification)  
For work performed by certificate holder      5 When required by Construction  
Replaced (like or equivalent) Code

APPENDIX E  
Page 1 of 1

Summary Report  
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power  
Date 10/15/91  
Report Tracking Number 91-235 10/15/91

2. (Address) P.O. Box 2000  
Spring City, TN.  
Sheet 1 of       
Unit 1  
-WID No. K-PO 4704A-1

3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup>       
Company  
P.O. Box 2000 Authorization No.<sup>2</sup>       
Address  
Spring City, TN. Expiration Date<sup>2</sup>       
City and State

4. Identification of system SIS - 63 Class A

5. (A) Applicable Construction Code AISC 1973 Edition  
June '73 Addenda N/A 10/15/91 Code Case N/A 10/15/91

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) SIS Hangers  
3" Pipe, Steel Tubing, A2 294-45 CMRT.

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. Box 2000 - Spring City, TN.

6. (C) Manufacturer's Serial Number N/A 10/15/91

6. (D) National Board Number (if applicable) N/A 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.) A500 Gr B  
TS 44\* 284905, Support ID ~~AAA435-1009~~ 10/15/91 1063-1-63-168

6. (F) Year built 1990 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: Modify Existing  
Support - using TS Plate Material

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure      psi Test Temperature      F

9. Remarks:      N/A 10/15/91

Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by D.E. Powell / MODS Date 10/15/91

ANII B. Ewing Organization      Date 12/6/91

<sup>1</sup> Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
<sup>2</sup> For work performed by certificate holder <sup>5</sup> When required by Construction  
<sup>3</sup> Replaced (like or equivalent) Code WORKPLAN

APPENDIX E  
Page 1 of 1  
SUMMARY REPORT  
FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Date 10-22-91  
Report Tracking No. 91-236

Sheet<sup>a</sup> 1 of 1  
Unit 1  
WID No. 1062-A406-1-2

Type Code Symbol Stamp<sup>b</sup> N/A 10-22-91  
Authorization No.<sup>b</sup> N-1480-1  
Expiration Date<sup>b</sup> AUG. 6, 1991

4. Identification of system G2 CIVCS ASME CLASS 2 (3" Ø PIPE)

5.(A) Applicable Construction Code ASME SECTION VII  
Edition THROUGH Addenda SUMMER 1973 Code Case N/A 10-22-91

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 4TA406-1-2 LUGS INTEGRAL ATTACHMENT TO PIPE, AUX BLDG, COL U+5A, ELEV. 701'-0"

6.(B) Name of manufacturer TVA

6.(C) Address of manufacturer (if known) SPRING CITY TENN

6.(D) Manufacturer's Serial Number N/A 10-22-91

6.(E) National Board Number (if applicable) N/A 10-22-91

6.(E) Other identification (Subassembly number, heat number, etc.) 1 1/2" EXISTING (A) SA 376 / TP 304 LUGS 3/8" x 1 1/2" x

6.(F) Year built 1990 Code Class 1 2  ✓

6.(G) Repaired NO Replaced<sup>c</sup> YES Replacement<sup>d</sup> YES ✓

6.(H) ASME Code Stamped YES NO ✓

7. Brief description of repair or replacement work performed MODIFY EXISTING SUPPORT TO ADD 1/8" FILLER METAL PER WD KPO4601A-1

8. Tests Conducted: Hydrostatic NO Pneumatic NO  
Nominal operating pressure N/A Other N/A  
Pressure N/A psi Test Temperature N/A F

9. Remarks: N/A 10-22-91 10-22-91  
N/A 10-18-91

W/A Applicable Manufacturer's Data Report<sup>e</sup> to be attached.

Responsible Engr D. Neal / MOD Date 10-22-91  
ANII B. Eavough Organization MOD Date 11/22/91

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code.



APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM HIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date 12-13-90

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA Company  
Report Tracking No. 91-240 <sup>11/15/91</sup>  
Type Code Symbol Stamp<sup>b</sup> N/A EB 12-13-90  
P.O. Box 2000 Address  
SPRING CITY, TN City and State  
Authorization No.<sup>b</sup> N/A EB 12-13-90  
Expiration Date<sup>b</sup> N/A EB 12-13-90

4. Identification of System G3 (SIS) ASME-CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 12-13-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # G3-1S1S-R50 / AUX., EL. 699'-0", 0'-5" N. OF V, 2'-3" E. OF A5.  
(2" Ø PIPE)

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

6(C). Manufacturer's Serial Number N/A JR 3-19-92 LE

6(D). National Board Number (if applicable) N/A EB 12-13-90

6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 12-13-90

6(F). Year Built SUPPORT MODIFIED 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
MODIFIED SUPPORT PER WORK PLAN # E.6259-4  
(ADDED STIFFENER TO BASE) (AND REWELDED LUGS) <sup>11/15/91</sup>

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 12-13-90 psi Test Temperature N/A °F  
<sub>EB 12-13-90</sub>

9. Remarks:  
N/A 12-13-91

(N/A) Applicable manufacturer's data report<sup>c</sup> to be attached.  
Responsible Engr. Burman / MEA-NC Date 12-13-90  
Organization

ANII 12-13-90 Date 1/31/92

<sup>a</sup> Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent).  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 12-13-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 91-241 <sup>69</sup> 11/15/91  
Type Code Symbol Stamp<sup>b</sup> N/A EB 12-13-90

Authorization No.<sup>b</sup> N/A EB 12-13-90

Expiration Date<sup>b</sup> N/A EB 12-13-90

- 4. Identification of System G3 (SIS) ASME-CLASS 2
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 12-13-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT #1063-63-ISIS-RBG/AUX, EL. 699'-0", 2'-3" E. OF A5, 2'-5 7/8" N. OF U.  
(2" φ PIPE)
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.
- 6(C). Manufacturer's Serial Number N/A EB 12-13-90
- 6(D). National Board Number (if applicable) N/A EB 12-13-90
- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 12-13-90

- 6(F). Year Built SUPPORT MODIFIED 1990
- 6(G). Repaired  Replaced  Replacement <sup>d</sup>
- 6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
MODIFIED SUPPORT PER WORK PLAN # E-6259-4.  
(ADDED STIFFENER & RELOCATED LUGS) by 11/15/91

- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
\* VIBRATION TEST. Pressure N/A EB 12-13-90 psi Test Temperature N/A EB 12-13-90 °F

9. Remarks: N/A 12-13-91

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
<sup>EB 12-13-90</sup> Responsible Engr E. B. ... / MEA-NC Date 12-13-90  
Organization

ANTI SH 3 30 50 Date 1/31/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

SECTION XI MATERIAL

APPENDIX E  
Page 1 of 1

WORKPLAN K-PO4700A-1

Summary Report  
Form NIS-2 Attachment

Page IX-61

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 10-6-91  
Report Tracking Number 91-242 *11/25/91*

2. (Address) P.O. BOX 2000  
SPRING CITY, TN

Sheet 1. 1 of 1  
Unit 1  
WID No. K-PO4700A-1

3. Work performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>2</sup> NA <sup>JR</sup> 10-6-91  
Authorization No.<sup>2</sup> NA <sup>JR</sup> 10-6-91  
Expiration Date<sup>2</sup> NA <sup>JR</sup> 10-6-91

4. Identification of system 063 SAFETY INJECTION SYSTEM.

5. (A) Applicable Construction Code AISC, 7<sup>th</sup> 1973 Edition  
JUNE Addenda NA JR 12-2-91 Code Case NA JR 12-2-91  
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) SUPPORT ID# 163-470  
PIPE SIZE 2" Ø, EL. 728'-2 1/2", AZ. 324°-30"

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. BOX 2000, SPRING CITY TN.

6. (C) Manufacturer's Serial Number NA JR. 10-6-91

6. (D) National Board Number (if applicable) NA JR 10-6-91

6. (E) Other identification (Subassembly number, heat number, etc.) TUBE STEEL  
HT # 704343

6. (F) Year built 1990 Code Class 1 [ ] 2 [X]  
6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [X]  
6. (H) ASME Code Stamped YES [ ] NO [X]

7. Brief description of repair or replacement work performed: REMOVED THE  
EXISTING HARDWARE & REPLACED WITH NEW HARDWARE.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure NA JR 10-6-91 psi Test Temperature NA JR 10-6-91 F

9. Remarks: NA JR 10-6-91

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached. NA JR 10-6-91  
Prepared by JAVED RIZVI / MODS Date 10-6-91  
Organization

ANII [Signature] Date 12-2-91

1 Sheet nos. filled in by ISI programs  
2 For work performed by certificate holder  
3 Replaced (like or equivalent)  
4 Replacement (Modification)  
5 When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 4623A-1  
Date 1-15-92  
Report Tracking No. 91-252 <sup>1/15/91</sup>  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
PO Box 2000  
Address  
Spring City, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A SC 1-15-92  
Authorization No.<sup>b</sup> N/A SC 1-15-92  
Expiration Date<sup>b</sup> N/A SC 1-15-92

4. Identification of system CVCS (62) ASME CLASS 2

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SC 1-15-92 Code Case N/A SC 1-15-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) THREE INCH PIPE SUPPORT ~~TO BE~~ INSTALLED IN THE AUXILIARY BUILDING. SUPPORT # 1062-62-1LCV-R44

6.(B) Name of manufacturer N/A SC 1-15-92

Address of manufacturer (if known) N/A SC 1-15-92

6.(C) Manufacturer's Serial Number N/A SC 1-15-92

6.(D) National Board Number (if applicable) N/A SC 1-15-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6 (A)

6.(F) Year built 19N/A SC 1-15-92 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [x] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [x] No

7. Brief description of repair or replacement work performed THIS NEW SUPPORT ~~TO BE~~ INSTALLED (1062-62-1LCV-R44) TO REPLACE OLD ONE PER OCA. PO 4623-34

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A SC 1-15-92 psi Temperature N/A SC 1-15-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [x] None Required

Responsible Engr Stanley Cochran 1 MDDS Date 1-15-92

Organization  
ANII ISI Date 1-21-92

a Sheet Nos. filled in by ISI programs.  
b For work performed by certificate holder  
c Replaced (like or equivalent)

d Replacement (modification)  
e When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Workplan K-P05595A-1  
Page IX-10

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-P05595A-1  
Date 1-15-92  
Report Tracking No. 92-253 *301 11/16/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1 *92-001 301 11/16/92*

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA SRD 1-15-92  
Authorization No.<sup>b</sup> NA SRD 1-15-92  
Expiration Date<sup>b</sup> NA SRD 1-15-92

4. Identification of system ICE CONDENSER (001)  
5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRD 1-15-92 Code Case NA SRD 1-15-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 6" PIPE SUPPORT # 1001-AA62-8-3  
ORIGINALLY INSTALLED IN AUXILIARY BUILDING IS BEING DELETED.

6.(B) Name of manufacturer NA SRD 1-15-92  
Address of manufacturer (if known) NA SRD 1-15-92

6.(C) Manufacturer's Serial Number NA SRD 1-15-92

6.(D) National Board Number (if applicable) NA SRD 1-15-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK (0.(A))

6.(F) Year built 19 NA SRD 1-15-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed SUPPORT # 1001-AA62-8-3  
IS DELETED PER DCN P-05595-B

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA SRD 1-15-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MOOS Date 1-15-92

ANII \* N/A Date 4/8/96 Organization AME  
AME 2/22/92 Date N/A AME 2/22/92 AME 4/8/96

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

\* B. Earring 4/8/96

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Workplan K-PO5595A-1  
Page IX-18

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-PO5595A-1

Date 1-15-92

Report Tracking No. 91-254 <sup>301</sup> 11/16/92

Unit 1

Sheet<sup>a</sup> 1 of 1

92-002  
11/16/92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type, Code Symbol Stamp<sup>b</sup> NA SRD 1-15-92

Authorization No.<sup>b</sup> NA SRD 1-15-92

Expiration Date<sup>b</sup> NA SRD 1-15-92

4. Identification of system ICE CONDENSER

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRD 1-15-92 Code Case NA SRD 1-15-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 0" PIPE SUPPORT # 1061-A462-8-5  
ORIGINALLY INSTALLED IN THE AUXILIARY BUILDING IS BEING MODIFIED.

6.(B) Name of manufacturer NA SRD 1-15-92

Address of manufacturer (if known) NA SRD 1-15-92

6.(C) Manufacturer's Serial Number NA SRD 1-15-92

6.(D) National Board Number (if applicable) NA SRD 1-15-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA SRD 1-15-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed SUPPORT MODIFIED TO REMOVE CLAMP  
(PIPE) AND STANCHIONS PER DCNP-05595A, DCA-PO5595-01-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure NA SRD 1-15-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92

ANII B. Earmugh Organization  
Date 2/22/92

<sup>a</sup> at Nos. filled in by ISI programs.

<sup>b</sup> work performed by certificate holder

<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

APPENDIX G Page 1 of 1 SUMMARY REPORT

Workplan K-PO5595A-1 Page IX-34

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. K-PO5595A-1  
 Date 1-15-92  
 Report Tracking No. 92-003  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
 Company  
D.O. 2000  
 Address  
SPRING CITY, TN.  
 City and State

Type Code Symbol Stamp<sup>b</sup> NA SRD 1-15-92  
 Authorization No.<sup>b</sup> NA SRD 1-15-92  
 Expiration Date<sup>b</sup> NA SRD 1-15-92

- 4. Identification of system ICE CONDENSER (0601)
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda NA SRD 1-15-92 Code Case NA SRD 1-15-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 10" PIPE SUPPORT # 10601-AA6Z-B-11  
ORIGINALLY INSTALLED IN THE AUXILIARY BUILDING IS BEING MODIFIED.
- 6.(B) Name of manufacturer NA SRD 1-15-92
- 6.(C) Address of manufacturer (if known) NA SRD 1-15-92
- 6.(D) Manufacturer's Serial Number NA SRD 1-15-92
- 6.(E) National Board Number (if applicable) NA SRD 1-15-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK (A).

- 6.(F) Year built 19NA SRD 1-15-92 Code Class  1  2
- 6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT # 10601-AA6Z-B-11 MODIFIED TO REMOVE 3"x3" TS MEMBER. INSTALL NEW 3"x3" TS MEMBER TO OBTAIN PROPER CLAMP TO SUPPORT PER DCN-PO5595A, DCN-1-15-92

- 8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal operating pressure  Other
- Test Pressure NA SRD 1-15-92 psi Temperature NA °F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92

ANII B. Everage Organization MECH. MODS Date 2/22/92

Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Workplan K-PO5595A-1  
Page IX-43

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
P.O. Box 2000  
SPRING CITY, TN  
City and State

WID No. K-PO5595A-1  
Date 1-15-92  
Report Tracking No. 92-004  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA SRD 1-15-92  
Authorization No.<sup>b</sup> NA SRD 1-15-92  
Expiration Date<sup>b</sup> NA SRD 1-15-92

4. Identification of system ICE CONDENSER (0001)  
5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRD 1-15-92 Code Case NA SRD 1-15-92  
5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda  
6.(A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) 6" PIPE SUPPORT # 10001-A46Z-8-13  
ORIGINALLY INSTALLED IN THE AUXILIARY BUILDING IS BEING MODIFIED.  
6 Name of manufacturer NA SRD 1-15-92  
Address of manufacturer (if known) NA SRD 1-15-92  
6.(C) Manufacturer's Serial Number NA SRD 1-15-92  
6.(D) National Board Number (if applicable) NA SRD 1-15-92  
6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA SRD 1-15-92 Code Class  1  2  
6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT # 10001-A46Z-8-13  
MODIFIED TO ADD SPACER PLATES PER DCLD P-056016-A, DCA-PO56016-04-0.

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure NA SRD 1-15-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92  
Organization  
ANII B. Eamigh Date 2/22/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



APPENDIX G Page 1 of 1 SUMMARY REPORT

Workplan K-P05595A-1  
Page IX-69

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-P05595A-1  
Date 1-15-92  
Report Tracking No. 92-005  
Unit 1  
Sheet<sup>a</sup> 1 of 1

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA SRD 1-15-92  
Authorization No.<sup>b</sup> NA SRD 1-15-92  
Expiration Date<sup>b</sup> NA SRD 1-15-92

Identification of system ICE CONDENSER

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA SRD 1-15-92 Code Case NA SRD 1-15-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 6" PIPE SUPPORT #1061-A462-8-35  
ORIGINALLY INSTALLED IN CONTAINMENT IS BEING DELETED.

Name of manufacturer NA SRD 1-15-92  
Address of manufacturer (if known) NA SRD 1-15-92

(C) Manufacturer's Serial Number NA SRD 1-15-92

(D) National Board Number (if applicable) NA SRD 1-15-92

(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK (C.(A)).

(F) Year built 19NA Code Class  1  2

(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed SUPPORT #1061-A462-8-35  
IS DELETED PER DCN P-05616-B.

Tests Conducted:<sup>e</sup>  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other SRD 1-15-92  
Test Pressure NA SRD 1-15-92 psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Stu Dicken / MECH. MODS Date 1-15-92

Organization B Eumgk  
Date NA SRD 1-15-92  
BoE 12/7/95

filled in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

1061-A462-8-37  
1061-A462-8-41

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. E 6429-9  
Date 1-20-92  
Report Tracking No. 92-006 1/1/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
PO Box 2000  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A SC 1-20-92  
Authorization No.<sup>b</sup> N/A SC 1-20-92  
Expiration Date<sup>b</sup> N/A SC 1-20-92

4. Identification of system UPPER HEAD INJECTION SYSTEM. PEN X108 & X109

5.(A) Applicable Construction Code ASME SECTION III 1971  
Edition THROUGH Addenda SUMMER 1973 Code Case N/A SC 1-20-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) X108 & X109, 12" Sch. 140 PIPE SA 376 TP316, 12" R/F w/w FLANGE 15016, 12" R/F Blind FLANGE 15016, PLATE SA 240 TYPE 304. TVA CLASS 13.

6.(B) Name of manufacturer DRAVO CORP  
Address of manufacturer (if known) N/A SC 1-20-92

6.(C) Manufacturer's Serial Number N/A SC 1-20-92

6.(D) National Board Number (if applicable) N/A SC 1-20-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6 (A)

6.(F) Year built 1971 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed INSTALLATION OF PORT FLANGES X108 & X109 WAS REQUIRED BY THE DELETION OF THE UHI SYSTEM. EREC N 6429

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A SC 1-20-92 psi Temperature N/A SC F

9. Remarks LEAK RATE TEST FOR CONTAINMENT VESSEL TO BE PERFORMED UNDER PRE-START TEST PLAN

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Stanley Cahell 1 MECH/MODS Date 1-20-92

Organization  
ANII ISI Date 1-24-92

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company POB2000 Address Spring City, TN City and State

WID No. E6476-3- Date 5-20-92 Report Tracking No. 42-007 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp Authorization No. N/A Expiration Date

Identification of system 15-SGBD/63 SIS 4" PIPE, ASME CL II

(A) Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda NA Code Case NA

(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

(C) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT - 1001-A400-6-69 RB 702 AZ 340° RADIUS 20' ±

(D) Name of manufacturer TVA

(E) Address of manufacturer (if known) SPRING CITY, TN

(F) Manufacturer's Serial Number NA

(G) National Board Number (if applicable) NA

(H) Other identification (Subassembly number, heat number, etc.) N/A

(I) Year built 1990 Code Class [ ] 1 [X] 2

(J) [X] Repaired [ ] Replaced [ ] Replacement

(K) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed N-VT-2 FOR REPAIR OF REMOVAL AREA & JOINTS 47A400-6-69-1 thru 3, B.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure NONE [ ] Other Test Pressure psi Temperature F

Remarks REPAIR AND WELD DATA SHEETS WERE TRANSFERRED FROM PACKAGE E-6476-2 UNDER WORK WAS PERFORMED. ALL DATA SHEETS REFLECT ASME XI WORK, AND ARE ENCLOSED IN PACKAGE E6476-3.

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr CR Brumley / MODS. Date 5-18-92

Organization Date 5/31/92

Sheet Nos. filled in by ISI programs. For work performed by certificate holder Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

PAGE 393 OF 564

WORKPLAN E6476-3

Page IX-25A

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN  
City and State

WID No. K-PO5595A-1  
Date 1-23-92  
Report Tracking No. 92-008  
Unit 1  
Sheet<sup>a</sup> 1 of 1

1/23/92

Type Code Symbol Stamp<sup>b</sup> NA SRP 1-23-92  
Authorization No.<sup>b</sup> NA SRP 1-23-92  
Expiration Date<sup>b</sup> NA SRP 1-23-92

4. Identification of system ICE CONDENSER (061)  
5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRP 1-23-92 Code Case NA SRP 1-23-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 6" PIPE SUPPORT #1061-A462-8-85  
INSTALLED IN THE CONTAINMENT BUILDING.

6.(B) Name of manufacturer NA SRP 1-23-92  
Address of manufacturer (if known) NA SRP 1-23-92

6.(C) Manufacturer's Serial Number NA SRP 1-23-92

6.(D) National Board Number (if applicable) NA SRP 1-23-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA SRP 1-23-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed NEW SUPPORT  
#1061-A462-8-85 INSTALLED PER D.N. PO5595-B & D.N.E.10515-A

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other SRP 1-23-92  
Test Pressure NA SRP 1-23-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Scott Dickson / MECH. MODS Date 1-23-92

ANII B. Earnigh Organization MECH. MODS  
Date 2/22/92

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-PO5595A-1

Page IX-186a

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

WID No. K-PO5595A-1  
Date 1-23-92  
Report Tracking No. 92-009 1/23/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA SRD 1-23-92  
Authorization No.<sup>b</sup> NA SRD 1-23-92  
Expiration Date<sup>b</sup> NA SRD 1-23-92

4. Identification of system ICE CONDENSER  
5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA SRD 1-23-92 Code Case NA SRD 1-23-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 6" PIPE SUPPORT # 10601-AA62-8-86  
INSTALLED IN CONTAINMENT BUILDING.

Name of manufacturer NA SRD 1-23-92  
Address of manufacturer (if known) NA SRD 1-23-92

6.(C) Manufacturer's Serial Number NA SRD 1-23-92

6.(D) National Board Number (if applicable) NA SRD 1-23-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA SRD 1-23-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed NEW SUPPORT  
# 10601-AA62-8-86 INSTALLED PER DCN PO5595A

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other SRD 1-23-92  
Test Pressure NA SRD 1-23-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Sally Dicken / MECH. MODS Date 1-23-92

Organization B Eurnigh Date 2/22/92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. E 6476-3  
 Date 5-20-92  
 Report Tracking No. 92-010  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
 Company  
POB 2000  
 Address  
SPRING CITY, TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> \_\_\_\_\_  
 Authorization No.<sup>b</sup> \_\_\_\_\_  
 Expiration Date<sup>b</sup> \_\_\_\_\_

4. Identification of system 15-SGBD / 63 SIS, 4" Ø PIPE, ASME II

5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda NA Code Case NA

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 1001-A400-6-71 RB 702'  
AZ 346° RADIUS 20' ±

6.(B) Name of manufacturer TVA  
 Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number NA

6.(D) National Board Number (if applicable) NA

6.(E) Other identification (Subassembly number, heat number, etc.) N/A

6.(F) Year built 1990 Code Class [ ] 1 [X] 2

6.(G) [X] Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed WELDS 47A 400-6-71-1 & 2  
WERE PERFORMED

8. Tests Conducted: [X] Hydrostatic [ ] Pneumatic  
 [ ] Nominal operating pressure [ ] Other  
 Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks WELD DATA SHEETS WERE TRANSFERRED FROM PACKAGE E-6476-2  
WHERE WORK WAS PERFORMED. ALL DATA SHEETS REFLECT ASME XI  
WORK, AND ARE ENCLOSED IN PACKAGE E6476-3  
NA

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr CR Brumley / MODS. Date 5-20-92

ANII [Signature] Organization \_\_\_\_\_ Date 5-31-92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company PO BOX 2000  
Address SPRING CITY, TN  
City and State

WID No. EG476-3  
Date 5-20-92  
Report Tracking No. 92-111  
Unit 1 011 12/3/92  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> /  
Authorization No.<sup>b</sup> NA  
Expiration Date<sup>b</sup> /

4. Identification of system 15 SGBD / 63 SIS, 4" Ø PIPE, ASME II

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA Code Case NA

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 1001-A400-6-265, RB 702  
AZ 25° RADIUS 20" ±

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number NA

6.(D) National Board Number (if applicable) NA

6.(E) Other identification (Subassembly number, heat number, etc.) NA

6.(F) Year built 1990 Code Class [ ] 1 [X] 2

6.(G) [X] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed WELD 47A400-6-265-1,2,3,4  
WERE PERFORMED

8. Tests Conducted: [ ] Hydrostatic NONE [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature F

9. Remarks WELD DATA SHEETS WERE TRANSFERRED FROM PACKAGE EG476-2  
WHERE WORK WAS PERFORMED. ALL DATA SHEETS REFLECT ASME XI  
WORK AND ARE ENCLOSED IN PACKAGE EG476-3  
NA

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr CB Brumley / MODS Date 5-20-92

ANII [Signature] Date 5/31/92  
Organization

<sup>a</sup> Set Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

1001-A400-6-399

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. MR A-667136  
Date 1/27/92  
Report Tracking No. 92-012 *gg* 1/27/92  
Unit 1  
Sheet<sup>a</sup>      of     

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TENNESSEE VALLEY AUTHORITY  
Company  
PO BOX 2000  
Address  
SPRING CITY, TN. 37381  
City and State

Type Code Symbol Stamp<sup>b</sup> NIA *gg* 1/27/92  
Authorization No.<sup>b</sup> NIA *gg* 1/27/92  
Expiration Date<sup>b</sup> NIA *gg* 1/27/92

4. Identification of system 6B - REACTOR COOLANT

5.(A) Applicable Construction Code ASME - 7TH EDITION 19 NIA *gg* 1/27/92

Edition NA *gg* 1/27/92 Addenda NA *gg* 1/27/92 Code Case NA *gg* 1/27/92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) 1-6B-026 (COMPONENT SUPPORT)

6.(B) Name of manufacturer TYA - WBN - CONSTRUCTION  
Address of manufacturer (if known) PO. BOX 2000, SPRING CITY, TN 37381

6.(C) Manufacturer's Serial Number NONE

6.(D) National Board Number (if applicable) NONE

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1985 Code Class [ ] 1 [X] 2

6.(G) [X] Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed REPAIRED MIN WALL  
VIOLATION ON TUBE STEEL BY WELDING

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other NA *gg* 1/27/92  
Test Pressure      psi Temperature     

9. Remarks     

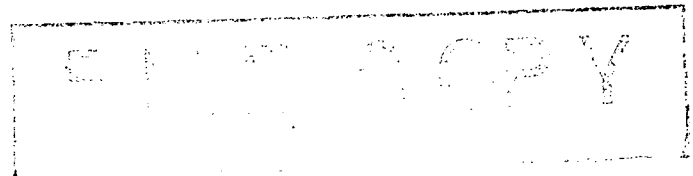
Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr K.W. Miller 1 MAINTENANCE Date 1/27/92

Organization       
Date 1-27-92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code





APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY Nuclear Power

Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. K-K05791A-1 Date 1-29-92 Report Tracking No. 92-013 Unit 1 Sheet 1 of 1

Work performed by TVA Company P.O. BOX 2000 Address SPRING CITY TN City and State

Type Code Symbol Stamp Authorization No. N/A SMD Expiration Date 1-29-92

XI 002-4-92

Identification of system 68, 2" phi PIPE, ASME CLASS-1, TVA CLASS-A Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92 Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1-68-347, REACTOR BLDG. AZ-137-13', FL. EL. 702'-9"

Name of manufacturer TVA Address of manufacturer (if known) SPRING CITY TN Manufacturer's Serial Number N/A SMD 1-29-92 National Board Number (if applicable) N/A SMD 1-29-92 Other identification (Subassembly number, heat number, etc.) N/A SMD

Year built 1990 Code Class [X] 1 [ ] 2 [ ] Repaired [ ] Replaced [X] Replacement

ASME Code Stamped [ ] Yes [X] No Brief description of repair or replacement work performed DELETED SUPPORT

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure N/A SMD psi Temperature F

Remarks NONE

Applicable Manufacturer's Data Report attached [ ] Yes [X] None Required

Responsible Engr Sundar M. Dalki / MODS Date 1-29-92

ANII N/A Chandra P. Dorek / DE Date 1-29-92 Organization N/A BME 12/7/95

B. Earmish 12/7/95

Sheet Nos. filled in by ISI programs. For work performed by certificate holder Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

WID No. K-K05791A-1

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-K05791A-1  
Date 1-29-92  
Report Tracking No. 92-014 *809*  
Unit 1 *1/30/92*  
Sheet<sup>a</sup>      of     

Type Code Symbol Stamp<sup>b</sup>       
Authorization No.<sup>b</sup> N/A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Identification of system 68, 2φ PIPE, ASME CLASS-1, TVA CLASS-A

6.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

6.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(C) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) PIPE SUPPORT ID: 1-68-349, REACTOR BLDG  
FL. EL. 702'-9" AZ 137°-13'

Name of manufacturer TVA

6.(D) Address of manufacturer (if known) SPRING CITY TN

6.(E) Manufacturer's Serial Number N/A SMD 1-29-92

6.(F) National Board Number (if applicable) N/A SMD 1-29-92

6.(G) Other identification (Subassembly number, heat number, etc.) N/A SMD  
/A 1-29-92

6.(H) Year built 1990 Code Class  1  2

6.(I)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(J) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 1-29-92  
Test Pressure      psi Temperature      °F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sundar m. Daki / MODS Date 1-29-92

ANII Charles K. Lynch, QE Organization      Date 2-4-92 *PONE 12/7/95*

Sheet Nos. filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-K05791A-1

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-K05791A-1

Date 1-29-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-015 *2/1/92*

Unit 1

Sheet<sup>a</sup>      of     

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>

Authorization No.<sup>b</sup> N A  
SMD

Expiration Date<sup>b</sup> 1-29-92

4. Identification of system 68, 2"  $\phi$  PIPE, ASME CLASS-1, TVA CLASS-A

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1-68-350, REACTOR BLDG.  
FL-FL 702'-9", AZ 137°-13'

6.(B) Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92  
/A

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other N/A SMD 1-29-92

Test Pressure      psi Temperature     

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sundar m. Dahi / MCDS Date 1-29-92

ANII NA Charles K. Smith, PE Organization      Date 2-4-92 12/7/95

B Earring 12/7/95

Sheet Nos. filled in by ISI programs.

For work performed by certificate holder  
replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

WORKPLAN K-K05791A-1

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

WID No. K-K05791A-1  
Date 1-29-92  
Report Tracking No. 92-016 *1/30/92*  
Unit i  
Sheet<sup>a</sup>      of     

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

4. Identification of system 6B, 2"  $\phi$  PIPE, ASME CLASS 1, TVA CLASS-A

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1-6B-351, REACTOR BLDG.  
FL. EL 702'-9", AZ-135°-30'

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92  
A

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 1-29-92  
Test Pressure      psi Temperature F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Eng Sunder m. Dalk IMCDS Date 1-29-92

ANII NA Charles K. Smith Organization APAC Date 2-4-92 12/7/95

Sheet Nos. filled in by ISI programs.  
work performed by certificate holder  
aced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-K05791A-1

PAGE 402 OF 564

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-K05791A-1  
Date 1-29-92  
Report Tracking No. 92-017 <sup>301</sup> 1130/92  
Unit 1  
Sheet<sup>a</sup>      of     

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>       
Authorization No.<sup>b</sup> N A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

4. Identification of system GB, 2" Ø PIPE, ASME CLASS-2, TVA CLASS-B

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A465-1-30A, REACTOR BLDG. FL. EL. 716'-0", AZ-338'-0"

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92

6.(F) Year built 1990 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [x] No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 1-29-92  
Test Pressure      psi Temperature     

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [x] None Required

Responsible Engr. Sunderm. D. Del / MODS Date 1-29-92

ANII NA Charles H. Dimock, Jr Organization BME Date 2-4-92 12/7/95

B Eamigh 12/7/95

Nos. filled in by ISI programs. <sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code

Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

WID No. K-K05791A-1

4 1A400-1-30B  
100-381  
100-000

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-K05791A-1  
Date 1-29-92  
Report Tracking No. 92-018 1/30/92  
Unit 1  
Sheet<sup>a</sup>      of     

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

4. Identification of system 68, 2"  $\Phi$  PIPE, ASME CLASS-2, TVA CLASS-B

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A465-1-306, REACTOR BLDG. FL. EL. 716'-0", AZ. 338°-0'

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92

6.(F) Year built 1990 Code Class [ ] 1 [  ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [  ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [  ] No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 1-29-92  
Test Pressure      psi Temperature      °F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr Sunder M. Datta / MCTS Date 1-29-92

ANII NA Charles K. Dornick Organization BNE  
B Eavens Date 2-4-92 12/7/95

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-K05791A-1

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

WID No. K-KOS791A-1  
Date 1-29-92  
Report Tracking No. 92-019 1130192  
Unit 1  
Sheet<sup>a</sup>      of     

Type Code Symbol Stamp<sup>b</sup> \_\_\_\_\_  
Authorization No.<sup>b</sup> N A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

1 08 2-4-92

4. Identification of system 68. 2"  $\phi$  PIPE, ASME CLASS-2. TVA CLASS-A

5.(A) Applicable Construction Code AISC 1973

5.(B) Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

6.(A) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1-68-37B, REACTOR BLDG.

FL. EL. 702'-9", AZ 317° i3'-25"

6.(C) Name of manufacturer TVA

6.(C) Address of manufacturer (if known) SPRING CITY, TN

6.(D) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 1-29-92

Test Pressure      psi Temperature      F

9. Remarks NO

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder m. Dabel MUIS Date 1-29-92

ANII NA Charles Smith, PE Organization      Date 2-6-92

B Eamigh 12/7/95

Set Nos. filled in by ESI programs.  
Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-KOS791A-1

1-68-379  
1-68-381

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

WID No. K-KOS791A-1  
Date 1-29-92  
Report Tracking No. 92-020  
Unit 1  
Sheet<sup>a</sup>      of     

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N A  
SMD  
Expiration Date<sup>b</sup> 1-29-92

4. Identification of system 68, 2"  $\phi$  PIPE, ASME CLASS-1, TVA CLASS-A

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1-68-380, REACTOR BLDG.  
FL. EL. 702'-9", AZ 317°-13'-25"

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMD 1-29-92

6.(D) National Board Number (if applicable) N/A SMD 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 1-29-92  
/A

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed DELETED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 1-29-92  
Test Pressure      psi Temperature     

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sundar m. Dakki MOCS Date 1-29-92

ANII NA Charles R. Daniels, OE Organization Boyle  
Date 2-4-92 12/7/95

Work performed by certificate holder B Earmigh 12/7/95

Work performed by certificate holder       
Replaced (like or equivalent)     

WORKPLAN K-KOS791A-1



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-PO5636A-1  
Date 1-29-92  
Report Tracking No. 92-023  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 1-29-92  
Authorization No.<sup>b</sup> \_\_\_\_\_  
Expiration Date<sup>b</sup> \_\_\_\_\_

Identification of system 6" PIPE, ASME CLASS 2, SYS. 3  
Applicable Construction Code ATSC 1973  
Edition JUNE 1973 Addenda N/A J.T. 1-29-92 Code Case N/A J.T. 1-29-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 47A401-7-39, SOUTH VALVE ROOM, EL. 737'-0", 8'-7 1/4" WEST OF 0° E, 6'-10" - 7 3/16" SOUTH OF 90°

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number B.P. 6101-6" Φ PIPE CLAMP ASSEMBLY  
National Board Number (if applicable) N/A J.T. 1-29-92  
Other identification (Subassembly number, heat number, etc.) NONE

Year built 19\_\_\_\_ Code Class [ ] 1 [X] 2  
[ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>  
ASME Code Stamped [ ] Yes [X] No  
Brief description of repair or replacement work performed INSTALLED NEW PIPE SUPPORT PER DCA PD4528-69-0

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

Remarks N/A  
J.T. 1-29-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required  
Responsible Engr J. Tush IMECH. MODES Date 1-29-92  
ANII B. Eamigh Organization \_\_\_\_\_ Date 3/5/92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A401-7-30

1-03A-427

1-03A-423

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P05636A-1  
Date 11-23-92  
Report Tracking No. 92-023 204 11/30/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> NIA 1-23-92  
Expiration Date<sup>b</sup>

Identification of system 6" PIPE, ASME CLASS 2, SYS. 3

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA J.T. 1-23-92 Code Case NIA J.T. 1-23-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1-03A-423; RB1, NORTH VALVE ROOM 1 EL. 736'-0"

(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

(C) Manufacturer's Serial Number 2540-15 (STRUT ASSY. ISNUBBER)

(D) National Board Number (if applicable) NIA J.T. 1-23-92

(E) Other identification (Subassembly number, heat number, etc.) NONE

(F) Year built 1940 Code Class  1  2

(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed MODIFICATION REMOVED THIS SUPPORT AND REUSED SOME OF THE PARTS FOR SUPT. 47A401-7-30.

Tests Conducted:  Hydrostatic NIA  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure J.T. 1-23-92 psi Temperature F

Remarks THIS SUPPORT WAS REMOVED AND REPLACED BY SUPPORT 47A401-7-30.  
DCA P05636-51-0 VIDEOS PIPE SUPT. 1-03A-423  
NIA J.T. 1-23-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr J. Tash MECH. MODS. Date 1-23-92

ASME 4/8/96 Organization AME  
Date 2-20-92 4/8/96  
B. Earmyngham 4/8/96

<sup>a</sup> filled in by ISI programs.

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

For work performed by certificate holder replaced (like or equivalent)

WORKPLAN K-P05636A-1

Page IX-102

PAGE 408 OF 568

UPL 7-100147

1-03A-427

47A060-3-95

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P05636A-1  
Date 1-29-92  
Report Tracking No. 92-025 1/20/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> 5-T 1-29-92

1 Identification of system 6" PIPE, ASME CLASS 2, SYS. 3  
2 (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A J.T. 1-29-92 Code Case N/A J.T. 1-29-92  
3 (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda  
4 (A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) PIPE SUPPORT ID. 1-03A-427, NORTH VALVE  
ROOM, EL. 733', 12' NORTH OF SHIELD WALL & 15' WEST OF & CONTHT.  
5 Name of manufacturer TVA  
6 Address of manufacturer (if known) SPRING CITY, TN  
7 (C) Manufacturer's Serial Number PART 2940-6 LESS STRUT (w/PSA-3)  
8 (D) National Board Number (if applicable) N/A J.T. 1-29-92  
9 (E) Other identification (Subassembly number, heat number, etc.) NONE

10 (F) Year built 1990 Code Class  1  2  
11 (G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
12 (H) ASME Code Stamped  Yes  No  
13 Brief description of repair or replacement work performed THIS PIPE SUPPORT  
HAS BEEN REMOVED AND VOIDED.  
14 Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A psi Temperature F  
15 Remarks J.T. 1-29-92

16 Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required  
17 Responsible Engr J. Tash 1 MECH. MODS. Date 1-29-92  
18 ANII NA Cheryl R. Brack, QE Organization Bmk  
B. Eamigh 4/8/96 Date 2-20-92 4/8/96

Nos. filled in by ISI programs.  
Work performed by certificate holder  
Replaced (like or equivalent)  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A060-3-45

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P05636A-1  
Date 1-29-92  
Report Tracking No. 92-026 88  
Unit 1 1130/92  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No. <sup>b</sup>  
Expiration Date<sup>b</sup>

~~NIA  
J.T. 1-29-92~~

1(A)  
1(B)  
1(A)  
1(B)  
1(C)  
1(D)  
1(E)

Identification of system 4" PIPE, ASME CLASS 2 SYS. 3

Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA J.T. 1-29-92 Code Case NIA J.T. 1-29-92

Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 47A060-3-45, RB1  
EL. 727'-3" AZ 143° 44'

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY, TN

Manufacturer's Serial Number NIA J.T. 1-29-92

National Board Number (if applicable) NIA J.T. 1-29-92

Other identification (Subassembly number, heat number, etc.) NONE

1(F)  
1(G)  
1(H)

Year built 1990 Code Class [ ] 1  2

[ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed THIS SUPPORT REPLACED  
SUPPORT ID 47A427-5-21 IN WORKPLAN K-P05636A-1

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature F NIA J.T. 1-29-92

Remarks WORKPLAN K-P05636A-1 REMOVED PIPE SUPPORT  
47A427-5-21 AND REPLACED IT BY PIPE SUPPORT 47A060-3-45.  
THIS SUPPORT WAS INSTALLED BY DCA P-05636A 2 FDCN  
F-09381-A THRU F-09381-I.

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr J. T. [Signature] Organization MECH. MODS Date 1-29-92

ANII B. Earnigh Date 3/5/92

Nos. filled in by ISI programs.  
Work performed by certificate holder  
<sup>a</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A401-7-30

ANI

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. W.P. K P05600A-1  
 Date 2-22-92  
 Report Tracking No. 92-028  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1 2/24/92

3. Work performed by TVA  
 Company  
P.O. BOX 2000  
 Address  
SPRING CITY TN  
 City and State

Type Code Symbol Stamp<sup>b</sup>  
 Authorization No.<sup>b</sup>  
 Expiration Date<sup>b</sup>

4. Identification of system 3"Ø ASME CLASS 2 PIPING (TVA CL. "B"), SYS. 072

5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda N/A J.T. 2-22-92 Code Case N/A J.T. 2-22-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1072-72-1CS-R52, 1'-4" S. OF V" & 2'-0" W. OF A5, EL. 714'-6", AUX. BLDG.

6.(B) Name of manufacturer TVA  
 Address of manufacturer (if known) SPRING CITY, TENNESSEE

6.(C) Manufacturer's Serial Number N/A

6.(D) National Board Number (if applicable) N/A J.T. 2-22-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT HAS BEEN MODIFIED BY REMOVING A 2"X1/4" BENT PLATE AND ADDING TWO TS 2X2X1/4".

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other

Test Pressure \_\_\_\_\_ psi Temperature F N/A J.T. 2-22-92

9. Remarks DCA P05600-02-0 AND DCN F-10994A MODIFIES THIS PIPE SUPPORT, W.P. K-P05600A-1

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr N. Task / MECH. MODS. Date 2-22-92

ANI S.A. Heater Organization \_\_\_\_\_ Date 4-13-92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. WP. KPO5600A-1  
 Date 2-22-92  
 Report Tracking No. 92-029  
 Unit 1 of 1  
 Sheet 1 of 1

3. Work performed by TVA  
 Company  
P. O. BOX 2000  
 Address  
SPRING CITY, TN  
 City and State

Type Code Symbol Stamp 2-22-92  
 Authorization No. NIA  
 Expiration Date 5/1

- 4. Identification of system 3" ASME CL. 2 PIPING (TVA CL. B), SYS. 072
- 5.(A) Applicable Construction Code AISC Code Case 1973
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1072-72-1CS-R70, 5'-9 1/8" NORTH OF "U", 4'0" EAST OF "A3" IEL. 708'0", AUX. BLDG.
- 6.(B) Name of manufacturer TVA
- 6.(C) Address of manufacturer (if known) 1990 SPRING CITY, TN.
- 6.(D) Manufacturer's Serial Number J.T. 2-22-92
- 6.(E) National Board Number (if applicable) NIA
- 6.(E) Other identification (Subassembly number, heat number, etc.) NONE
- 6.(F) Year built 1990 Code Class  1  2
- 6.(G)  Repaired  Replaced  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No
- 7. Brief description of repair or replacement work performed SUPPORT HAS BEEN MODIFIED BY REMOVING WAX 13.
- 8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_

9. Remarks DCA P05600-03-0 MODIFIES THIS SUPPORT  
W.P. K-PO5600A-1  
 Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required  
 Responsible Engr J. Tash / MECH. MODS. Date 2-22-92  
 ANII S.B. Heater Organization \_\_\_\_\_ Date 4-19-92

a Sheet Nos. filled in by ISI programs.  
 b For work performed by certificate holder  
 c Replaced (like or equivalent)

d Replacement (modification)  
 e When required by Construction Code

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. WP. KPO5600A1  
 Date 2-22-92  
 Report Tracking No. 92-030  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1 2/24/92

3. Work performed by TVA  
 Company  
P.O. BOX 2000  
 Address  
SPRING CITY, TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> \_\_\_\_\_  
 Authorization No.<sup>b</sup> \_\_\_\_\_  
 Expiration Date<sup>b</sup> \_\_\_\_\_

- 4. Identification of system 3" ASME CL. 2 PIPING (TVA CL. B), SYS. 072
- 5.(A) Applicable Construction Code AISC <sup>1973</sup>  
 Edition JUNE 1973 Addenda NIA J.T. 2-22-92 Code Case NIA J.T. 2-22-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1078-A454-1-204, 10'-2 1/4" NORTH OF "U", 4'-0" EAST OF "A3", EL. 708'0", AUX-BLDG.
- 6.(B) Name of manufacturer TVA
- 6.(C) Address of manufacturer (if known) SPRING CITY, TN
- 6.(D) Manufacturer's Serial Number \_\_\_\_\_
- 6.(E) National Board Number (if applicable) \_\_\_\_\_
- 6.(E) Other identification (Subassembly number, heat number, etc.) NONE

- 6.(F) Year built 19\_\_\_\_ Code Class [ ] 1  2
- 6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes  No
- 7. Brief description of repair or replacement work performed INSTALLING A NEW PIPE SUPPORT (1078-A454-1-204), PER DCA PO5600-04-0
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
 [ ] Nominal operating pressure [ ] Other  
 Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F NIA J.T. 2-22-92

9. Remarks THIS IS A NEW PIPE SUPPORT BUILT PER DCA NO. PO5600-04-0 & DCA F-13178A.

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr J. Tash Organization 1MEGH. MODS Date 2-22-92

ANII S. B. [Signature] Date 4/8-92

Sheet Nos. filled in by ISI programs. For work performed by certificate holder Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. W.P. KPO5600A-1  
Date 2-22-92  
Report Tracking No. 92-0310/MA  
Unit 1 2/24/92  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup> MA 5-T  
2-22-92

4. Identification of system 10" ASME CL 2 PIPING (TVA CL. B), SYS. 072

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA JT. 2-22-92 Code Case NIA JT. 2-22-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1072-A437-5-2, AZ 304°, RAD. 61'-0" IEL. 833'-0 3/4", RBI

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN.

6.(C) Manufacturer's Serial Number

6.(D) National Board Number (if applicable) JT. 2-22-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT HAS BEEN MODIFIED BY REPLACING EXISTING MECH. SNUBBER PSA 3 WITH A NEW MECH. SNUBBER PSA 3.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature F NIA JT. 2-22-92

9. Remarks DIA NO. POS 602-01-0 & DCN F-10832-C MODIFIES THIS SUPPORT, W.P. K-PO5600A-1  
NIA  
JT. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr J. Task MECH. MODS. Date 2-22-92

Organization  
ANII S.B. Harte Date 4-13-92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. W.P. KPO5600A-1  
Date 2-22-92  
Report Tracking No. 92-032  
Unit 1  
Sheet<sup>a</sup> 1 of 1

W 2/24/92

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

NIA 5" 2-22-92

4. Identification of system 10" ASME CL. 2 PIPING (TVA CL. B.) 1STS. 072

5.(A) Applicable Construction Code ATSC 1973  
Edition JUNE 1973 Addenda NIA J.T. 2-22-92 Code Case NIA J.T. 2-22-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1072-A437-5-7, AZ 304°, RAD. 55'-0 1/16", EL. 843'-35/8", RBI

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number NIA

6.(D) National Board Number (if applicable) J.T. 2-22-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed SUPPORT HAS BEEN REMOVED AND DELETED.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_

9. Remarks DCA P05602-02-0 REMOVES AND DELETE THIS SUPPORT, W.P. KPO5600A-1.  
NIA  
J.T. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr J. Tash Organization 1 MECH. MODS. Date 2-22-92

ANII NA Charles Smith, OE Date 2-18-92 Organization NIA  
B Eamigh 12/7/95 Date APR 12/7/95

Sheet Nos. filled in by ISI programs.  
Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-PO5600A-1  
Date 2-22-92  
Report Tracking No. 92-033  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

4. Identification of system 14"Ø ASME CL.2 PIPING (TVA CL. "B"), SYS. 072

5.(A) Applicable Construction Code ASME 1973  
Edition JUNE 1973 Addenda N/A J.T. 2-22-92 Code Case N/A J.T. 2-22-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1072-72-1CS-R126 / 5'-6 1/16 S. OF "W", 1'-03/16 EAST OF "A4" EL. 746'-4", AUX. BLDG

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number N/A

6.(D) National Board Number (if applicable) J.T. 2-22-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN MODIFIED BY REMOVING TWO PLATES AND ADDING A WGX25 AND FOUR LUGS AND STIFFENER PLATES.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature F N/A J.T. 2-22-92

9. Remarks DCA NO. P05602-04-0 THRU P05602-06-0 AND DCN F-11890-A THRU F-11890-D MODIFIES THIS SUPPORT  
N/A  
J.T. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr J. Tash / MECH. MODS. Date 2-22-92

Organization  
ANII S. B. Heater Date 4-13-90

<sup>a</sup> et Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. W.P. K P05600A-1  
Date 2-22-92  
Report Tracking No. 92-034  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

4. Identification of system 5"Ø ASME CL. 2 PIPING (TVA CL. B"), SYS. 072

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA J.T. 2-22-92 Code Case NIA J.T. 2-22-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1072-A060-72-23, 7'-7 3/4" NORTH OF "U", 1'-0 1/4" WEST OF "AS" / EL. 695'-10", AUX. BLDG.

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number NIA

6.(D) National Board Number (if applicable) J.T. 2-22-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class [ ] 1  2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN REMOVED AND VOIDED.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F NIA J.T. 2-22-92

9. Remarks DCA POS620-55-0 AND DCN F-11564A REMOVES AND VOIDES THIS PIPE SUPPORT.  
NIA  
J.T. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr J. Taah / MECH. MODS. Date 2-22-92

ANII NA Charles F. Arnold Organization RE Date 2-18-92 NIA  
B. Earmagh 12/7/95 APR 12/7/95

Work performed by certificate holder  
Replaced (like or equivalent) <sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-POS600A-1

Page IX-1060-107 5.T. 2-23-92

PAGE 417 OF 564

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

er) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
nt) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. W.P. KPO5600A-1  
Date 2-22-92  
Report Tracking No. 92-035  
Unit 1  
Sheet<sup>a</sup> 1 of 1

performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

Identification of system 5" ASME CL. 2 PIPING (TVA CL. B<sup>4</sup>), SYS. 072  
Applicable Construction Code AISC  
Edition JUNE 1973 Addenda N/A J.T. 2-22-92 Code Case N/A J.T. 2-22-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as <sup>5-T</sup>  
needed to aid in identification) PIPE SUPPORT ID. 1072 - AD600-72-2B, 2-22-92

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number N/A  
National Board Number (if applicable) J.T. 2-22-92  
Other identification (Subassembly number, heat number, etc.) NONE

Year built 1990 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No  
Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN  
REMOVED AND VOIDED

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature F N/A J.T. 2-22-92

Remarks DCA NO. P05620-54-0 AND DCN E-115644  
REMOVES AND VOIDES THIS PIPE SUPPORT.  
N/A  
J.T. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr J. Tack 1 MECH. MODS Date 2-22-92

ANII NA Charles R. Dandy, RE Organization N/A  
Date 3-10-92 BME 12/7/95

<sup>e</sup> filled in by ISI programs.  
work performed by certificate holder  
placed (like or equivalent)

WORKPLAN K-P05600A-1  
Page IX-109a

PAGE 418 OF 564

47A435-1-1

47A435-1-20

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. WP. K P05600A-1  
Date 2-22-92  
Report Tracking No. 92-036  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2/24/92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

2-22-92  
NIA J.T. 2-22-92

Identification of system 5" ASME CL. 2 PIPING (TVA CL. 'B'), SYS. 072

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA J.T. 2-22-92 Code Case NIA J.T. 2-22-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1063-A435-1-20, 1'-8 1/4" WEST OF "A5", 10'-8 1/2" NORTH OF "U", EL. 696'-1", AUX. BLDG.

(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

(C) Manufacturer's Serial Number

(D) National Board Number (if applicable) NIA J.T. 2-22-92

(E) Other identification (Subassembly number, heat number, etc.) NONE

(F) Year built 1990 Code Class [ ] 1  2

(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN REMOVED AND VOIDED.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_

Remarks DCA # P05620-56-0 VOIDES THIS SUPPORT.

NIA J.T. 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr J. Tash MECH. MODS Date 2-22-92

NII NA Charles R. ... Organization NIA Date 3-18-92 BMC 12/7/95

B. E... 12/7/95

For work performed by certificate holder Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-P05600A-1

Page IX-110a

PAGE 419 OF 500

22-105-V142

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. W.P. KPO5600A-1  
Date \_\_\_\_\_  
Report Tracking No. 92-037000  
Unit 1  
Sheet<sup>a</sup> 1 of 1 2/24/92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> \_\_\_\_\_  
Authorization No.<sup>b</sup> \_\_\_\_\_  
Expiration Date<sup>b</sup> NIA JIT 2-22-92

Identification of system 5" ASME CL. 2 PIPING (TVA CL. B), SYS. 027 072 JT 2-22-92  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA JIT 2-22-92 Code Case NIA JIT 2-22-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1063-A435-1-22, 1-8 1/4" WEST OF AS, 7'-7 3/4" NORTH OF "U", EL. 695'-10", AUX. BLDG.

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number NIA  
National Board Number (if applicable) JIT 2-22-92  
Other identification (Subassembly number, heat number, etc.) NONE

Year built 19\_\_\_\_ Code Class [ ] 1  2  
[ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped [ ] Yes  No  
Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN REMOVED & VOIDED.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature F NIA JIT 2-22-92

Remarks DCA # P05620-57-0 VOIDES THIS SUPPORT.  
NIA  
JIT 2-22-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr J. Tash 1 MECH. MODS Date 2-22-92

ANII NA Charles K. Arnold, QE Organization NIA  
Date 3-18-92 AME 12/7/95

Work performed by certificate holder  
Replaced (like or equivalent)

WORKPLAN K-P05600A-1

72-1CS-V142

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN City and State

WID No. W.P. KPO5600A-1 Date Report Tracking No. 92-038 Unit 1 Sheet 1 of 1 2/24/92

Type Code Symbol Stamp Authorization No. Expiration Date

4. Identification of system 10" ASME CL. 2 PIPING (TVA CL. B), SYS. 072

5. (A) Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda N/A J.T. 2-22-92 Code Case N/A J.T. 2-22-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 107272 ICS-142, 17 1/16" WEST OF "A4" 12'-10 1/4" SOUTH OF W. EL. 752'-0" / AUX BLDG.

6. (B) Name of manufacturer TVA Address of manufacturer (if known) SPRING CITY, TN

6. (C) Manufacturer's Serial Number

6. (D) National Board Number (if applicable) N/A J.T. 2-22-92

6. (E) Other identification (Subassembly number, heat number, etc.) NONE

6. (F) Year built 1992 Code Class [ ] 1 [X] 2

6. (G) [ ] Repaired [ ] Replaced [X] Replacement

6. (H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT HAS BEEN MODIFIED BY REMOVING EXISTING WELD, WELDED BEAM ATTACH. & 10" U-BOLT AND REPLACING WITH NEW ITEMS.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure psi Temperature F N/A J.T. 2-22-92

9. Remarks DCA P05623-08-0 & -09-0 & DCN F-10256-A MODIFIES THIS PIPE SUPPORT, WORKPLAN K-P05600A-1 N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr J. Tash MECH. MODS Date 2-22-92

ANII S.B. Hester Date 4/18/92

Nos. filled in by ISI programs. For work performed by certificate holder Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P05600A-1  
Date 2-22-92  
Report Tracking No. 92-039  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2/24/92

Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup>  
Expiration Date<sup>b</sup>

NIA J.T. 2-22-92

Identification of system 6" ASME CLASS 2 PIPING (TVA CL. B), SYS. 072

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NIA J.T. 2-22-92 Code Case NIA J.T. 2-22-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID. 1072-72-1CS-R43, 3'-0" NORTH OF "U", 5'-0" WEST OF "A5", EL. 713'-2", AUX. BLDG.

(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TENNESSEE

(C) Manufacturer's Serial Number NIA J.T. 2-22-92

(D) National Board Number (if applicable) NIA J.T. 2-22-92

(E) Other identification (Subassembly number, heat number, etc.) CONTAINMENT SPRAY SYS. NIA J.T. 2-22-92

(F) Year built 1990 Code Class  1  2

(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed SUPPORT WAS REMOVED AND VOIDED

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature F NIA J.T. 2-22-92

Remarks DCA P05600-01-0 VOIDES THIS SUPPORT, WP. K-P05600A-1

NIA J.T. 2-20-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr J. Taah / MECH. MODS. Date 2-22-92

ANII NA Chula R. Smith, QE Organization \_\_\_\_\_ Date 3-18-92 Paul 4/8/96

B. Eemigh 4/8/96 filled in by ISI programs.

Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-P05600A-1

Page IX-14a

PAGE 422 OF 564

1072-72-1CS-R52  
1072-72-1CS-R70  
1072-A45A-1-204  
1127 C 7



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KK05792A-1

Date 2-26-92

Report Tracking No. 92-040

Unit 1

Sheet<sup>a</sup> N/A AGC of N/A AGC 2-26-92  
2-26-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-26-92

Authorization No.<sup>b</sup> N/A AGC 2-26-92

Expiration Date<sup>b</sup> N/A AGC 2-26-92

4. Identification of system 68 REACTOR COOLANT SYSTEM ASME-CLASS 1

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A AGC 2-26-92 Code Case N/A AGC 2-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT # 1068-1-68-024/RB#1/EL.735'-7"  
AZ 104° 09' / R=39'-8" (VALVE SUPPORT)

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY, TN

5.(C) Manufacturer's Serial Number N/A AGC 2-26-92

5.(D) National Board Number (if applicable) N/A AGC 2-26-92

5.(E) Other identification (Subassembly number, heat number, etc.) N/A AGC 2-26-92  
N/A AGC 2-26-92

5.(F) Year built 1990  Code Class  1  2  SUPPORT VOIDED 1990

5.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

5.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT VOIDED PER  
WORKPLAN # K-K05792A-1

Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other \*

Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC F

Remarks \* VIBRATION TEST # TI-103.68.01 2-26-92

N  
A AGC 2-26-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92

ANII N/A Charles K. Drieder Organization N/A ASME Date 3-25-92 12/7/95

B Earnright 12/7/95

Sheet Nos. filled in by ISI programs.

k performed by certificate holder

l (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 423 OF 564

Workplan KK05792A-1

Page IX-46

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-19-90

Sheet<sup>a</sup> N/A AGC 2-17-92 of N/A AGC 2-17-92  
Unit 1 92 2/24/92

Report Tracking No. 92-041 2/24/92

3. Work Performed by: TVA  
Company

Type Code Symbol Stamp<sup>b</sup> N/A EB 9-19-90

P.O. Box 2000

Authorization No.<sup>b</sup> N/A EB 9-19-90

Address  
SPRING CITY, TN

Expiration Date<sup>b</sup> N/A EB 9-19-90

City and State

4. Identification of System GB, RCS ASME-CLASS 1

5(A). Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A EB 9-19-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)

PIPE SUPPORT #1068-1-68-039/RB #1/EL. 720'-4 3/4"/14'-10 1/16 S. OF 90'/  
34'-3" W. OF O. (4" Ø PIPE)

6(B). Name of Manufacturer TVA

Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A EB 9-19-90

6(D). National Board Number (if applicable) N/A EB 9-19-90

6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90

N/A AGC 2-17-92

6(F). Year Built SUPPORT VOIDED 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.

SUPPORT VOIDED PER WORKPLAN # K-K05792A-1.

JEFF GOULART NOTIFIED 5-1-90 TO REMOVE VOIDED SUPPORT FROM TI-50A LIST.

8. Tests Conducted: Hydrostatic  Pneumatic

Nominal operating pressure  \*Other

Pressure N/A EB 9-19-90 psi Test Temperature N/A EB 9-19-90 °F

9. Remarks: \* VIBRATION TEST # TI-103.68.01

N

A AGC 2-21-92

(N/A) Applicable manufacturer's data report<sup>c</sup> to be attached.

EB 9-19-90

Responsible Engr El Brannon / MEA-NC Date 9-19-90

Organization

ANII NA Chuck R. Dovich, PE Date 3-25-92

B Eamigh 12/7/95

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

For work performed by certificate holder

Replaced (like or equivalent).

Replacement (modification).

When required by Construction Code.

WORKPLAN KK05792A-1

SUMMARY REPORT-FORM HIS-2 ATTACHMENT

PAGE IX-141 of III  
AGC 2-17-92

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-19-90

- 3. Work Performed by: TVA  
P.O. Box 2000  
SPRING CITY, TN

Company

Address

City and State

Sheet <sup>a</sup> N/A of <sup>AGC</sup> N/A  
Unit 1

Report Tracking No. 9K-042

Type Code Symbol Stamp N/A EB 9-19-90

Authorization No. <sup>b</sup> N/A EB 9-19-90

Expiration Date <sup>b</sup> N/A EB 9-19-90

- 4. Identification of System GB RCS ASME-CLASS 1
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 9-18-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 10GB-1-GB-044 / RB# 1, EL. 733'-11" / AZ 107'33" / R=40'-9"  
(2"  $\phi$  PIPE)

- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

- 6(C). Manufacturer's Serial Number N/A EB 9-18-90

- 6(D). National Board Number (if applicable) N/A EB 9-19-90

- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90  
N/A AGC 2-17-92

- 6(F). Year Built SUPPORT MODIFIED 1990

- 6(G). Repaired  Replaced

- 6(H). ASME Code Stamped Yes  Replacement   
No

- 7. Brief description of repair or replacement work performed.  
SUPPORT MODIFIED PER WORK PLAN # K-K05792A-1 (REMOVED SNUBBER ADDED STRUT)  
(PRESERVICES INSPECTION VT-3)

- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 9-19-90 psi Test Temperature N/A °F

- 9. Remarks: \* VIBRATION TEST # TI-103.68.01

N  
A AGC 2-21-92

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Ed [Signature] Date 9-19-90  
Organization OMEA-NC

ANTI [Signature] Date 4/3/92

a Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
b For work performed by certificate holder  
c Replaced (like or equivalent).  
d Replacement (modification).  
e When required by Construction Code.

APPENDIX D  
Page 1 of 1

WP K-K05792A-1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

PAGE IX-156 OF \_\_\_\_\_  
AGC 2-17-92

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-19-90

- 3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Sheet<sup>a</sup> N/A AGC 2-17-92 of N/A AGC 2-17-92  
Unit 1 2018-2/29/92  
Report Tracking No. 98-043 2/28/92  
Type Code Symbol Stamp<sup>b</sup> N/A EB 9-19-90  
Authorization No.<sup>d</sup> N/A EB 9-19-90  
Expiration Date<sup>d</sup> N/A EB 9-19-90

- 4. Identification of System GB RCS ASME-CLASS 1
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 9-19-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1068-1-GB-045/RB\*1/EL. 733'-11"/AZ 108° 30'/R=40'-9"  
(2" φ PIPE)
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.
- 6(C). Manufacturer's Serial Number N/A EB 9-19-90
- 6(D). National Board Number (if applicable) N/A EB 9-19-90
- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 9-19-90  
N/A AGC 2-17-92
- 6(F). Year Built SUPPORT VOIDED 1990
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.  
SUPPORT VOIDED PER WORK PLAN # K-K05792A-1  
JEFF GOULART NOTIFIED 7-2-90 TO REMOVE VOIDED SUPPORT FROM TI-50A LIST.
- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 9-19-90 psi Test Temperature N/A EB 9-19-90 °F
- 9. Remarks: \* VIBRATION TEST # TI-103.68.01

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr [Signature] / MEA-NC Date 9-19-90  
Organization

ANII N/A Charles [Signature] / OE Date 3-25-92  
B. Eamery 12/7/95

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KK05792A-1  
Date 2-26-92  
Report Tracking No. 92-045  
Unit 1  
Sheet <sup>a</sup> N/A of <sup>b</sup> 2 of N/A

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Type Code Symbol Stamp <sup>b</sup> N/A AGC 2-26-92

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Authorization No. <sup>b</sup> N/A AGC 2-26-92

Expiration Date <sup>b</sup> N/A AGC 2-26-92

4. Identification of system GB REACTOR COOLANT SYSTEM ASME CLASS I

5. (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A AGC 2-26-92 Code Case N/A AGC 2-26-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT # 1068-1-68-021/RB #1/EL. 733'-0"  
AZ 104° 8' / R=39'-8" (4" Ø PIPE)

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6. (C) Manufacturer's Serial Number N/A AGC 2-26-92

6. (D) National Board Number (if applicable) N/A AGC 2-26-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A AGC 2-26-92  
N/A AGC 2-26-92

6. (F) Year built 1990 <sup>a</sup> Code Class  1  2 <sup>a</sup> VOIDED 1990

6. (G)  Repaired  Replaced <sup>c</sup>  Replacement <sup>d</sup>

6. (H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT VOIDED PER WORKPLAN  
K-K05792A-1 JEFF GOULART NOTIFIED 5-1-90 TO REMOVE VOIDED SUPPORT FROM TI-50A LIST

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other \* <sup>a</sup> AGC  
Test Pressure N/A AGC 2-26-92 psi Temperature N/A 2-26-92 F

9. Remarks \* VIBRATION TEST # TI-103.68.01  
N  
A AGC 2-26-92

Applicable Manufacturer's Data Report attached <sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92

ANII NA Charles F. Smith <sup>a</sup> QE Organization N/A Date 3-25-92 ASME 12/7/95

B. Eamigh 12/7/95

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 427 OF 564  
Workplan KK05792A-1  
Page IX-47 32  
AGC 2-26-92

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-K05792A-1  
Date 2-26-92  
Report Tracking No. 92-046  
Unit 1  
Sheet <sup>AGC</sup> N/A 2-26-92 of <sup>AGC</sup> N/A 2-26-92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-26-92  
Authorization No.<sup>b</sup> N/A AGC 2-26-92  
Expiration Date<sup>b</sup> N/A AGC 2-26-92

4. Identification of system GB REACTOR COOLANT SYSTEM ASME-CLASS I

5. (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A AGC 2-26-92 Code Case N/A AGC 2-26-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT # 1068-1-68-020/RB # 1/EL. 733'-0"  
AZ=104°-8'/R=39'-8" (4" Ø PIPE)

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6. (C) Manufacturer's Serial Number N/A AGC 2-26-92

6. (D) National Board Number (if applicable) N/A AGC 2-26-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A AGC 2-26-92  
N/A AGC 2-26-92

6. (F) Year built 1990 Code Class  1  2

6. (G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6. (H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT MODIFIED PER  
WORKPLAN # K-K05792A-1 (REMOVED SNUBBER ADDED STRUT) (PRESERVICE INSPECTION VT-3)

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other \* <sup>AGC</sup>  
Test Pressure N/A AGC 2-26-92 psi Temperature N/A 2-26-92 F

9. Remarks \*VIBRATION TEST # TI-103.68.01  
N  
A AGC 2-26-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Arton G. Colman / MODIFICATIONS Date 2-26-92

ANII B. Ewing Organization  
Date 12/7/95

PAGE 428 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

WID No. KK05792A-1  
Date 2-26-92  
Report Tracking No. 92-047  
Unit 1  
Sheet <sup>a</sup> N/A AGC of N/A AGC 2-26-92  
<sub>2-26-92</sub>

Type Code Symbol Stamp <sup>b</sup> N/A AGC 2-26-92  
Authorization No. <sup>b</sup> N/A AGC 2-26-92  
Expiration Date <sup>b</sup> N/A AGC 2-26-92

4. Identification of system G8 REACTOR COOLANT ASME-CLASS 1

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A AGC 2-26-92 Code Case N/A AGC 2-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) PIPE SUPPORT # 1068-1-68-026/RB#i/EL.733'  
AZ 108/R=34' (4" Ø PIPE)

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number N/A AGC 2-26-92

6.(D) National Board Number (if applicable) N/A AGC 2-26-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A AGC 2-26-92  
N/A AGC 2-26-92

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed MODIFIED SUPPORT PER WORKPLAN  
# K-K05792A-1; DELETED CLAMP, ADDED STRUCTURAL

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other \*  
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC F  
<sub>2-26-92</sub>

9. Remarks \* VIBRATION TEST # TI-103.68.01  
N  
A AGC 2-26-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92

Organization  
Date 4-3-92

ANII Alton G. Coleman

PAGE 429 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

▲ Date 10-1-90

▲ DATE ADDED 1/18/91  
WMO

Sheet<sup>a</sup> N/A 2-20-92 of N/A 2-20-92  
Unit 1

- 3. Work Performed by: TVA  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 92-048  
Type Code Symbol Stamp<sup>b</sup> N/A EB 10-1-90

Authorization No.<sup>d</sup> N/A EB 10-1-90

Expiration Date<sup>d</sup> N/A EB 10-1-90

- 4. Identification of System GB, RCS ASME-CLASS 1
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A EB 10-1-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19P1

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT # 1068-1-68-027/RB#1/EL 733/AZ 108°/R=34'  
(4" Ø PIPE)

- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

- 6(C). Manufacturer's Serial Number N/A EB 10-1-90

- 6(D). National Board Number (if applicable) N/A EB 10-1-90

- 6(E). Other Identification (subassembly number, heat number, etc.) N/A EB 10-1-90  
N/A AGC 2-15-92

- 6(F). Year Built SUPP. MODIFIED IN 1990

- 6(G). Repaired  Replaced  Replacement

- 6(H). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.  
MODIFIED SUPPORT PER WORK PLAN # K-K5792A-1  
N/A AGC 2-15-92

- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \*Other   
Pressure N/A EB 10-1-90 psi Test Temperature N/A EB 10-1-90 °F

- 9. Remarks: \* VIBRATION TEST # TI-103.68.01

N  
A AGC 2-15-92

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr [Signature] MEA-NC Date 10-1-90  
Organization

ANTI [Signature] PAGE 430 OF 564  
Date 1/2/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

WP K-K05792A-1



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KK05792A-1

Date 2-26-92

Report Tracking No. 92-049

Unit 1

Sheet <sup>a</sup> N/A of <sup>AGC</sup> N/A AGC 2-26-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TENNESSEE  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-26-92

Authorization No.<sup>b</sup> N/A AGC 2-26-92

Expiration Date<sup>b</sup> N/A AGC 2-26-92

4. Identification of system GB REACTOR COOLANT SYSTEM ASME CLASS 1

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A AGC 2-26-92 Code Case N/A AGC 2-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT # 1068-1-68-012/RB # 1/EL. 778'-7"/AZ 104' 08' / R = 39'-8" (6" Ø PIPE)

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN

6.(C) Manufacturer's Serial Number N/A AGC 2-26-92

6.(D) National Board Number (if applicable) N/A AGC 2-26-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A AGC 2-26-92  
N/A AGC 2-26-92

6.(F) Year built 1990 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT VOIDED PER WORKPLAN  
KK05792A-1 JEFF GOULART NOTIFIED 7-2-90 TO REMOVE VOIDED SUPPORT FROM TI-50A LIST

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [X] Other \*  
Test Pressure N/A AGC 2-26-92 psi Temperature <sup>AGC</sup> N/A 2-26-92 F

9. Remarks \* VIBRATION TEST # TI-103.68.01  
N  
A AGC 2-26-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92

ANII NA Chaple R. Smith Organization QA Date 3-25-92 PAVE 12/7/95

Work performed by certificate holder  
filled in by CSI programs.  
filled (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date 12/5/90

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> N/A <sup>AGC</sup> 2-7-92 of N/A <sup>AGC</sup> 2-7-92  
Unit 1

3. Work Performed by: TVA Company  
Report Tracking No. 92-050  
Type Code Symbol Stamp<sup>b</sup> N/A <sup>wmo</sup> 12/5/90  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State  
Authorization No.<sup>b</sup> N/A <sup>wmo</sup> 12/5/90  
Expiration Date<sup>b</sup> N/A <sup>wmo</sup> 12/5/90

4. Identification of System 6B, RCS, ASME CODE CLASS 1

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A <sup>wmo</sup> 12/5/90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT #1-6B-055, RB #1, AZ 104° 08', R=39'-8", EL. 750'-0", 6" Ø PIPE

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) P.O. BOX 2000, SPRING CITY, TN.

6(C). Manufacturer's Serial Number N/A <sup>wmo</sup> 12/5/90

6(D). National Board Number (if applicable) N/A <sup>wmo</sup> 12/5/90

6(E). Other Identification (subassembly number, heat number, etc.) N/A <sup>wmo</sup> 12/5/90

6(F). Year Built SUPPORT MODIFIED 1990

6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
SUPPORT MODIFIED PER W.P. K-K05792A-1, REMOVED SNUBBER AND INSTALLED STRUT. ADDED ADDITIONAL STRUCTURAL STEEL BRACING.

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  \* Other   
Pressure N/A <sup>wmo</sup> 12/5/90 psi Test Temperature N/A <sup>wmo</sup> 12/5/90

9. Remarks: \* PRESERVICE INSPECTION VT-3, \* VIBRATION TEST # TI-103.68.01  
N/A <sup>wmo</sup> 12/5/90

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
<sup>wmo</sup> 12/5/90 Responsible Engr M.L. Dodd 12/5/90 MEA-NC Date 12/5/90  
Organization

ANII [Signature] Date 4/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

ADDITIONAL INFORMATION

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-RC4229A-1  
Date 2-24-92  
Report Tracking No. 92-051 2/25/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
P.O. BOX 2000  
SPRING CITY, TN  
Company  
Address  
City and State

Type Code Symbol Stamp<sup>b</sup> NA JAK 2-24-92  
Authorization No.<sup>b</sup> NA JAK 2-24-92  
Expiration Date<sup>b</sup> NA JAK 2-24-92

Identification of system Sys. 74 RESIDUAL HEAT REMOVAL

(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA JAK 2-24-92 Code Case NA JAK 2-24-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) W4X13, SUPPORT NO. 74-TRHR-R59  
6'-3" S of Y, 3'-3" W of AS, FL. 688'

(B) Name of manufacturer NA JAK 2-24-92  
Address of manufacturer (if known) N/A JAK 2-24-92

(C) Manufacturer's Serial Number N/A JAK 2-24-92

(D) National Board Number (if applicable) N/A JAK 2-24-92

(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

(F) Year built 19 NA JAK 2-24-92 Code Class [ ] 1 [ ] 2

(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed CUT SOUTH FLANGE  
ONLY OF W4X13 TO PROVIDE CLEARANCE PER NSA-M23350-01-1

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA JAK 2-24-92 psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Jimmy Knott 1 MECH. MODS Date 2-24-92  
Organization

ANII [Signature] Date 2-29-92

<sup>a</sup> et Nos. filled in by ISI programs.  
<sup>b</sup> or work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09 Revision 4 Page 27 of 47

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee
3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN. City and State

WID No. KPO5240A-1 Date 2-26-92 Report Tracking No. 92-052 99 2/26/92 Unit 1 Sheet 1 of 1 Type Code Symbol Stamp NA SRD 2-26-92 Authorization No. NA SRD 2-26-92 Expiration Date NA SRD 2-26-92

4. Identification of system 070 COMPONENT COOLING WATER
5.(A) Applicable Construction Code ATSC 1973 Edition JUNE 1973 Addenda NA SRD 2-26-92 Code Case NA SRD 2-26-92
5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda
5.(C) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT # 1-70-171 ORIGINALLY INSTALLED IN THE CONTAINMENT BUILDING IS BEING MODIFIED.
5.(D) Name of manufacturer NA SRD 2-26-92
5.(E) Address of manufacturer (if known) NA SRD 2-26-92
5.(F) Manufacturer's Serial Number NA SRD 2-26-92
5.(G) National Board Number (if applicable) NA SRD 2-26-92
5.(H) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

5.(I) Year built 19 NA SRD 2-26-92 Code Class [ ] 1 [ ] 2
5.(J) [ ] Repaired [ ] Replaced [X] Replacement
5.(K) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT MODIFIED BY REMOVING EXISTING SNUBBER CLAMP AND REAR BRACKET, AND INSTALLING NEW STRUT CLAMP AND REAR BRACKET.
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic PER DEN P05240-B, DCA'S P05240-14-0, -15-0 AND -16-0. [ ] Nominal operating pressure [ ] Other Test Pressure NA SRD 2-26-92 psi Temperature NA SRD 2-26-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required
Responsible Engr Scotty Dicken / MECH. MODS Date 2-26-92
Organization S.A. Hatcher Date 4-12-92

Sheet Nos. filled in by ISI programs. For work performed by certificate holder Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

1-70-198

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-PO4633A-1  
Date 2-27-92  
Report Tracking No. 92-053 2/27/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 2-27-92

Identification of system 63  
Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 2-27-92 Code Case NA <sup>SRD</sup> 2-27-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT # 1-63-049 ORIGINALLY INSTALLED IN CONTAINMENT, AZ 20° 38' 42" RADIUS 46'-2", ELEV. 741'-5"

Name of manufacturer NA <sup>SRD</sup> 2-27-92  
Address of manufacturer (if known) NA <sup>SRD</sup> 2-27-92  
Manufacturer's Serial Number NA <sup>SRD</sup> 2-27-92  
National Board Number (if applicable) NA <sup>SRD</sup> 2-27-92  
Other identification (Subassembly number, heat number, etc.) SEE BLOCK (A)

Year built 19 NA <sup>SRD</sup> 2-27-92 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No #1-63-049

Brief description of repair or replacement work performed SUPPORT MODIFIED BY DCA PO4633-14, -15 & -16 TO INCREASE WELD SIZE / CONFIGURATION. AND ADD LOGS. <sup>SRD</sup> 2-27-92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure NA <sup>SRD</sup> 2-27-92 psi Temperature NA <sup>SRD</sup> 2-27-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 2-27-92  
Organization  
Date 3-21-92

filled in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

Workplan KPO4633A-1  
Page IX-38

PAGE 435 OF 564

AA  
51 Inspected  
I-7 Complete

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

*[Handwritten signature]*

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP03655A-1

Date 2-27-92

Report Tracking No. 92-054 *80* 2/28/92

Unit 1

Sheet <sup>a</sup> N/A AGC of <sup>b</sup> N/A AGC  
2-26-92 7-26-92

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp <sup>b</sup> N/A AGC 2-27-92

Authorization No. <sup>b</sup> N/A AGC 2-27-92

Expiration Date <sup>b</sup> N/A AGC 2-27-92

Identification of system 063 SAFETY INJECTION; ASME-CLASS 2

(A) Applicable Construction Code AISC  
Edition JUNE 1973 Addenda N/A AGC 2-27-92 Code Case 1973

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1063-1-63-473; 3/4" SA 307 GR-A ROD; 3/4" SA 563 GR-A NUTS, 3/4" A36 PL, 1" A36 PL, 3/8" TS 6X3 A500 GR-B

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY, TN

Manufacturer's Serial Number N/A AGC 2-27-92

National Board Number (if applicable) N/A AGC 2-27-92

Other identification (Subassembly number, heat number, etc.) HT# 4-7479 (ROD), LOT# 8605601-2 (NUTS), HT# 481605 (3/4" PL), HT# 522183 (1" PL)

Year built 1990 Code Class  1  2

Repaired  Replaced  Replacement

ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed MODIFY/INSTALL SUPPORT (NEW SUPPORT) *99* 2/28/92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other

Test Pressure N/A AGC 2-27-92 psi Temperature N/A AGC 2-27-92

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92

Organization B Easman Date 5/25/92

Work performed in by ISI programs.

Work performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 436 OF 569

WORKPLAN KP03655A-1

1-63-472

75N



APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. KP03655A-1  
 Date 2-27-92  
 Report Tracking No. 92-055 <sup>90/</sup> <sub>2/28/92</sub>  
 Unit 1  
 Sheet<sup>a</sup> N/A of N/A <sub>2-26-92</sub> <sup>2-26-92</sup>

3. Work performed by TVA  
 Company P.O. Box 2000  
 Address SPRING CITY TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-27-92  
 Authorization No.<sup>b</sup> N/A AGC 2-27-92  
 Expiration Date<sup>b</sup> N/A AGC 2-27-92

- 4. Identification of system 063 SAFETY INJECTION; ASME-CLASS
- 5.(A) Applicable Construction Code ATSC 1973
- 5.(B) Edition JUNE 1973 Addenda N/A AGC 2-27-92 Code Case N/A AGC 2-27-92
- 5.(C) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1063-A435-B-31: 1/2" PL, PLOGG UNISTRUT, 1/2" SA193 GR B7 ROD, SA563 GRA 1/2" NUTS, 1/4" A307 GRA BOLTS, P2558-7 CLAMP
- 6.(B) Name of manufacturer TVA
- 6.(C) Address of manufacturer (if known) SPRING CITY, TN
- 6.(D) Manufacturer's Serial Number N/A AGC 2-27-92
- 6.(E) National Board Number (if applicable) N/A AGC 2-27-92
- 6.(F) Other identification (Subassembly number, heat number, etc.) SEE ITEM 6(A)
- 6.(G) Year built 1990 Code Class [ ] 1 [ ] 2
- 6.(H) [ ] Repaired [X] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>
- 6.(I) ASME Code Stamped [ ] Yes [ ] No
- 7. Brief description of repair or replacement work performed REPLACE ENTIRE EXISTING SUPPORT (EXCEPT SSD SHELLS) WHILE REWORKING PIPE
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other
- 9. Test Pressure N/A <sup>AGC</sup> 2-27-92 psi Temperature N/A <sup>F</sup> 2-26-92
- Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92

Organization \_\_\_\_\_

ANII N/A 5/25/92 <sup>4/8/96</sup> Date \_\_\_\_\_

Sheet Nos. filled in by ESI programs.  
 Work performed by certificate holder replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

0199 0-11

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX 6  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP03655A-1  
Date 2-27-92  
Report Tracking No. 92-056 2/28/92  
Unit 1  
Sheet<sup>a</sup> N/A AGC of N/A AGC  
2-26-92 2-26-92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-27-92  
Authorization No.<sup>b</sup> N/A AGC 2-27-92  
Expiration Date<sup>b</sup> N/A AGC 2-27-92

Identification of system 063 SAFETY INJECTION; ASME-CLASS 2  
Applicable Construction Code ATSC  
Edition JUNE 1973 Addenda N/A AGC 2-27-92 Code Case N/A AGC 2-27-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as  
led to aid in identification) PIPE SUPPORT 1063-A435-7-81: 1/2"  $\phi$  BOLTS; 1/2" A36 PL, 3/4"  
PL, 1/2" TS 4x4 A500 GR-B; TS 6 X 3 X 3/8 A500 GR-B

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number N/A AGC 2-27-92  
National Board Number (if applicable) N/A AGC 2-27-92  
Other identification (Subassembly number, heat number, etc.) HT# 411S77810(1/2" PL),  
HT# WB7621(3/4" PL), TB2948(1/2" TS), 038029(3/8" TS)

Year built 1990 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No  
Brief description of repair or replacement work performed INSTALLED NEW SUPPORT  
N/A AGC 2-27-92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A AGC 2-27-92 psi Temperature N/A AGC F  
2-27-92

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92  
B. Eumigh Organization  
Date 5/25/92

<sup>f</sup>led in by ISI programs.  
<sup>g</sup>ed by certificate holder  
<sup>h</sup> or equivalent)  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORK PLAN PAGE 438 OF 569  
KP03655A-1

47A435-8-10

47A435-8-18

47A435-6-39

47A435-8-30



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

WID No. KP03655A-1  
Date 2-27-92  
Report Tracking No. 92-057 2/28/92  
Unit 1  
Sheet<sup>a</sup> N/A AGC of N/A AGC  
2-27-92 2-27-92

Type Code Symbol Stamp<sup>b</sup> N/A AGC 2-27-92  
Authorization No. <sup>b</sup> N/A AGC 2-27-92  
Expiration Date<sup>b</sup> N/A AGC 2-27-92

4. Identification of system 063 SAFETY INJECTION; ASME-CLASS

5. (A) Applicable Construction Code ASCE 1973  
Edition JUNE 1973 Addenda N/A AGC 2-27-92 Code Case N/A AGC 2-27-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1063-A435-6-39; 1/2"  $\phi$  SA563 GR-A NUTS; 1/2" 6A193 GR-B7 ROD; P2258-07 UNISTRUT CLAMP; 1/4" P1006-1420 SPRING NUTS; 1/4" x 1" LG. A307 BOLTS

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY, TN

Manufacturer's Serial Number N/A AGC 2-27-92

National Board Number (if applicable) N/A AGC 2-27-92

Other identification (Subassembly number, heat number, etc.) SEE ITEM 6(A)  
N/A AGC 2-27-92

Year built 1990 Code Class  1  2

Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REPLACED SUPPORT BOLTING MATERIAL WHILE REWORKING PIPE

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A AGC 2-27-92 psi Temperature N/A AGC 2-27-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92

Organization \_\_\_\_\_ Date \_\_\_\_\_

N/A DATE 5/25/92 4/8/96  
B. Eumigh 4/8/96

Filed in by ISI programs.  Replacement (modification)  
Performed by certificate holder  When required by Construction Code  
(or equivalent)

PAGE 439 OF 564

WORKPLAN KP03655A-1

47A435-8-30  
47A435-8-31  
47A435-8-31  
47A435-8-31

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

WID No. K-PO4633A-1  
Date 2-27-92  
Report Tracking No. 92-058 *by 3/2/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 2-27-92

4. Identification of system 603

\* 5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 2-27-92 Code Case NA <sup>SRD</sup> 2-27-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT # 1-63-047 ORIGINALLY INSTALLED IN CONTAINMENT, AZ. 339, RADIUS 46'-2", ELEV. 741'-5".

6.(B) Name of manufacturer NA <sup>SRD</sup> 2-27-92  
Address of manufacturer (if known) NA <sup>SRD</sup> 2-27-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 2-27-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 2-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA <sup>SRD</sup> 2-27-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed SUPPORT # 1-63-047 MODIFIED PER PCA PO4633-11, -12 & -13 TO INCREASE WELD SIZES, ADD SPACER PLATES AND

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic LUGS\*  
[ ] Nominal operating pressure [ ] Other <sup>SRD</sup> 2-27-92  
Test Pressure NA <sup>SRD</sup> 2-27-92 psi Temperature NA <sup>F</sup>

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTT D. DAVENPORT Date 2-27-92

Organization SRD  
ANII SRD Date 3-21-92

Sheet Nos. filled in by ISI programs.  
or work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 440 OF 569

Workplan KPO4633A-1

Page IX-31a

\* APPLICABLE PRESSURE BOUNDARY WELDING (LUGS TO PIPE)  
PERFORMED IN ACCORDANCE WITH NCA CODE OF RECORD  
ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER  
AGC ADDENDA. SRD 2-21-92

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-P04633A-1

Date 2-27-92

Report Tracking No. 92-059 <sup>SLY</sup> 3/2/92

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 2-27-92

Authorization No.<sup>b</sup> NA <sup>SRD</sup> 2-27-92

Expiration Date<sup>b</sup> NA <sup>SRD</sup> 2-27-92

4. Identification of system 603

5.(A) Applicable Construction Code AISC 19 73

Edition JUNE 1973 Addenda NA <sup>SRD</sup> 2-27-92 Code Case NA <sup>SRD</sup> 2-27-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT #1-63-051 ORIGINALLY INSTALLED IN CONTAINMENT, AZ 57° 19', RADIUS 43'-8", ELEV. 741'-5"

Name of manufacturer NA <sup>SRD</sup> 2-27-92

Address of manufacturer (if known) NA <sup>SRD</sup> 2-27-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 2-27-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 2-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19NA <sup>SRD</sup> 2-27-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed SUPPORT # 1-63-051 MODIFIED PER DCA P04633-17, -18 & -19 TO ADD LUGS AND SPACER PLATES.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA <sup>SRD</sup> 2-27-92 psi Temperature NA <sup>SRD</sup> 2-27-92

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 2-27-92

ANII [Signature] Organization [Signature] Date 3-21-92

<sup>a</sup> os. filled in by ISI programs.  
<sup>b</sup> k performed by certificate holder  
<sup>c</sup> laced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

\* PRESSURE BOUNDARY WELDING (LUGS TO PIPE) PERFORMED IN ACCORDANCE WITH THE ASME CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. <sup>SRD</sup> 2-21-92

K 2 complete

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-PO4633A-1  
Date 2-27-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-060 *3/2/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 2-27-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 2-27-92

4. Identification of system 603

5. (A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 2-27-92 Code Case NA <sup>SRD</sup> 2-27-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

5. (A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) 8" PIPE SUPPORT # 1-63-053 ORIGINALLY  
INSTALLED IN CONTAINMENT, AZ. 95°, RADIUS 45'-2", ELEV. 741'-5"

5. (C) Name of manufacturer NA <sup>SRD</sup> 2-27-92

5. (C) Address of manufacturer (if known) NA <sup>SRD</sup> 2-27-92

5. (C) Manufacturer's Serial Number NA <sup>SRD</sup> 2-27-92

5. (D) National Board Number (if applicable) NA <sup>SRD</sup> 2-27-92

5. (E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK (C)(A)

5. (F) Year built 19 NA <sup>SRD</sup> 2-27-92 Code Class  1  2

5. (G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

5. (H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed SUPPORT # 1-63-053 MODIFIED  
PER DCA PO4633-20, -21 & -22 TO INCREASE WELD SIZE'S AND ADD LUGS\*

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 2-27-92  
Test Pressure NA <sup>SRD</sup> 2-27-92 psi Temperature NA <sup>F</sup>

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SMITHY DICKEN / MECH. MODS Date 2-27-92

Organization  
ANII [Signature] Date 3-26-92

<sup>a</sup> s. filled in by ISI programs.  
For performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

\* PRESSURE BOUNDARY WELDING (LUGS TO PIPE) PERFORMED  
IN ACCORDANCE WITH THE <sup>SRD</sup> 2-27-92 ASME  
SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER  
ADDENDA. <sup>SRD</sup> 3-21-92

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

WORKPLAN KM  
Page TX-49a

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power

Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KM124654 - 1  
Date 3-3-92  
Report Tracking No. 92-061  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A 3/3/92  
Expiration Date<sup>b</sup>

Identification of system Chemical & Volume Control System  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A 3/3/92 Code Case N/A 3/3/92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1062-1-62A-558  
in Reactor Bldg. Fl. Elev. 702'-9 3/8" Az. 43°-01'  
(33'-0 1/2")

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN  
Manufacturer's Serial Number N/A 3/3/92  
National Board Number (if applicable) N/A 3/3/92  
Other identification (Subassembly number, heat number, etc.) N/A 3/3/92

Year built 19 91 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed Support Deleted  
(per DEA P04593-41-42)  
N/A 3-3-92

Tests Conducted.  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

Remarks None

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Ronald G. [Signature] Mech. Mods. Date 3/3/92

ANII N/A B. Corry Organization MTI  
Date 3-17-92 12/7/95

Nos. filled in by ISI programs.  
Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

1062-1-62A-558-11-5

1062-1-62A-355

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. WPK P05600A-1  
Date 3-3-92  
Report Tracking No. 92-062 3/3/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 3-3-92  
Authorization No.<sup>b</sup> \_\_\_\_\_  
Expiration Date<sup>b</sup> \_\_\_\_\_

4. Identification of system 10" ASME CL. 2 PIPING (TVA CL. "B"), SYS 072

5.(A) Applicable Construction Code ASCE 1973  
Edition JUNE 1973 Addenda N/A J.T. 3-3-92 Code Case N/A J.T. 3-3-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1072-A437-5-8, R.B. UNIT 1, AZ-304°, RAD.=55'-0 11/16", EL 843'-3 5/8"

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN.

6.(C) Manufacturer's Serial Number \_\_\_\_\_

6.(D) National Board Number (if applicable) \_\_\_\_\_

6.(E) Other identification (Subassembly number, heat number, etc.) \_\_\_\_\_

6.(F) Year built 90 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT WAS MODIFIED BY REMOVING EXISTING SNUBBER, END BR-KT., & CLAMP AND REPLACING BY A RIGID STRUT.

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature F N/A J.T. 3-3-92

9. Remarks DCA P05602-03-0 AND DCN F-11741A & F-11741B MODIFIES THIS PIPE SUPPORT

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr J. Traub 1 MECH. MODS Date 3-3-92

Organization  
ANII S.B. Aaker Date 4-13-92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-PO4684A-1  
Date 3/3/92  
Report Tracking No. 92-063 *3/4/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
PO Box 2000  
Address  
Spring City, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A *U.R.M. 3/3/92*  
Expiration Date<sup>b</sup> /

4. Identification of system 03-AFW 4" φ Pipe, ASME CLASS-2  
5.(A) Applicable Construction Code AISC 1973  
Edition June 1973 Addenda N/A U.R.M. 3/3/92 Code Case N/A U.R.M. 3/3/92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) Pipe Support I.D. 1003B-03B-1AFW-R212 REACTOR BLDG. Elev. 745'-5 1/15" / 15'-6 1/16" NORTH "U" & 5'-1 1/4" EAST "AZ"

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) Spring City, TN

6.(C) Manufacturer's Serial Number N/A U.R.M. 3/3/92

6.(D) National Board Number (if applicable) N/A U.R.M. 3/3/92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A U.R.M. 3/3/92

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE STRUT, BRACKET AND CLAMP. REMOVE OLD W4X13, REPLACE WITH NEW MATERIAL AND SNUBBER W/COMPONENTS

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A U.R.M. 3/3/92  
Test Pressure \_\_\_\_\_ psi Temperature F

Remarks SUPPORT COMPLETED AND DOCUMENTED 3/3/92 U.R.M. 3/3/92  
N/A U.R.M. 3/3/92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr George R. McLeod / MODS Date 3/3/92

Organization U.R.M.  
Date 4-13-92

filled in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 445 OF 564

WORKPLAN K-PO4684A-1

Page IX-666

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN.  
City and State

WID No. KPO-4684A-1  
Date 3/3/92  
Report Tracking No. 92-0604  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> 3/3/92

4. Identification of system 03-AFW 6" φ Pipe ASME CLASS-2

5. (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A H.R.M. 3/3/92 Code Case N/A H.R.M. 3/3/92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID 1003A-1-03A-490, REACTOR BLDG. FE. ELEV. 738'-11 5/16" / 0'-7 1/4" EAST 0° & 38'-0 1/2" SOUTH 270°

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) Spring City, TN

6. (C) Manufacturer's Serial Number N/A H.R.M. 3/3/92

6. (D) National Board Number (if applicable) N/A H.R.M. 3/3/92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A H.R.M. 3/3/92  
N/A H.R.M. 3/3/92

6. (F) Year built 1990 Code Class [ ] 1 [X] 2

6. (G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6. (H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed REMOVED SPACER. REMOVED 4x4 TUBE STEEL AND REPLACED WITH NEW MATERIAL.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other H.R.M. 3/3/92  
Test Pressure \_\_\_\_\_ psi Temperature N/A F

9. Remarks SUPPORT COMPLETE AND DOCUMENTED 3/3/92 H.R.M. 3/3/92  
N/A H.R.M. 3/3/92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr George R. M. [Signature] MDDS Date 3/3/92

Organization [Signature] Date 4-13-92

<sup>a</sup> Test Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1 (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2 (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. M-5802-3  
Date \_\_\_\_\_  
Report Tracking No. 92-066  
Unit 1  
Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_

3 Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> \_\_\_\_\_  
Authorization No.<sup>b</sup> N/A GW 3/10/92  
Expiration Date<sup>b</sup> N/A GW 3/10/92

4 Identification of system 063-SIS, ASME-CLASS II

5(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A GW 3/10/92 Code Case ASME GW 3/10/92 N/A

5(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

5(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1063-63-15IS-V180  
A36 THRD ROD 1/4" (BP133) & BP274 WELDLESS EYENUT.

Name of manufacturer TVA & BERGEN-PATERSON PIPE SUPPORT CORP.

Address of manufacturer (if known) SPRING CITY, TN. & WOBURN, MASS.

5(C) Manufacturer's Serial Number N/A GW 3/10/92

5(D) National Board Number (if applicable) N/A GW 3/10/92

5(E) Other identification (Subassembly number, heat number, etc.) BP133 (ROD) &  
BP274 (EYENUT)

5(F) Year built 1990 Code Class [ ] 1 [ ] 2

5(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

5(H) ASME Code Stamped [ ] Yes [X] No

7 Brief description of repair or replacement work performed REMOVE WELDED EYE ROD  
AND INSTALLED WELDLESS EYENUT, THRD. ROD, AND TRIM CLAMP EARS

8 Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A GW 3/10/92 psi Temperature N/A GW 3/10/92 F

9 Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr Joe Wright 1 MOD/SNR Date 3/10/92

ANII [Signature] Organization \_\_\_\_\_ Date 3-11-92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code  
WORKPLAN M-5802-3

1067-67-1ERCW-1303  
1067-67-1ERCW-2787  
1065-62-1000 N 110

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04537A-1  
Date 3/16/92 L.E.  
Report Tracking No. 92-069  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Performed by TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A H.R.M. 3/16/92 L.E.  
Expiration Date<sup>b</sup>

Identification of system 15, SG Blowdown, ASME CLASS 2 (4" Ø Pipe)  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A H.R.M. 3/16/92 Code Case N/A H.R.M. 3/16/92 L.E.  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 47A400-6-103, RB, ELEV. 733'  
Azimuth 160°

Name of manufacturer TVA  
Address of manufacturer (if known) Spring City, TN  
Manufacturer's Serial Number N/A H.R.M. 3/16/92 L.E.  
National Board Number (if applicable) N/A H.R.M. 3/16/92 L.E.  
Other identification (Subassembly number, heat number, etc.) N/A H.R.M. 3/16/92 L.E.  
N/A H.R.M. 3/16/92 L.E.

Year built 1990 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed WORK WAS TRANSFERRED FROM  
W.P. E-6476-2. Additional Weld Added AND Bolted Connections & Studbolts inspected

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other H.R.M. L.E.  
Test Pressure N/A 3/16/92 L.E. psi Temperature N/A 3/16/92 L.E.

Remarks SUPPORT COMPLETED AND DOCUMENTED 3/16/92 L.E.  
N/A H.R.M. 3/16/92 L.E.

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr George P. McKibbin MODS Date 3/16/92 L.E.  
Organization

ANII PHR 200 SW Date 3-16-92

Nos. filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)<sup>f</sup>

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 448 OF 564

WORKPLAN KPO-4537A-1  
Page IX-103A H.R.M. 3/16/92 L.E.

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP03655A-1  
Date 3-18-92  
Report Tracking No. 92-070 3/18/92  
Unit 1  
Sheet<sup>a</sup> N/A AGC of N/A AGC  
3-18-92 3-18-92

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A AGC 3-18-92  
Authorization No. <sup>b</sup> N/A AGC 3-18-92  
Expiration Date<sup>b</sup> N/A AGC 3-18-92

Identification of system 063 SAFETY INJECTION; ASME-CLASS-2  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A AGC 3-18-92 Code Case N/A AGC 3-18-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) PIPE SUPPORT 1063-1-63-472  
N/A AGC 3-18-92

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number N/A AGC 3-18-92  
National Board Number (if applicable) N/A AGC 3-18-92  
Other identification (Subassembly number, heat number, etc.) N/A AGC 3-18-92

Year built 1992 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT SUPPORT  
INSTALL NEW SUPPORT AGC 3-18-92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A AGC 3-18-92 psi Temperature N/A AGC F  
3-18-92

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Alton G. Colson / MODIFICATIONS Date 3-18-92  
B. Earnings Organization Date 5/25/92

ed in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-071 3/23/92  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code-Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> SMD 3-21-92

4. Identification of system 062, 2"  $\phi$  PIPE, ASME CLASS-2

5. (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 62-1CVC-R120, AUX. BLDG.  
PIPE EL. 736'-6 1/2", 5'-5 1/2" NORTH OF (U), 3'-1" EAST OF (A5)

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6. (C) Manufacturer's Serial Number N/A SMD 3-21-92

6. (D) National Board Number (if applicable) N/A SMD 3-21-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92  
/A

6. (F) Year built 1990 Code Class [ ] 1 [x] 2

6. (G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6. (H) ASME Code Stamped [ ] Yes [x] No

7. Brief description of repair or replacement work performed REMOVE DELETED  
SUPPORT DER DCA.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92  
Test Pressure      psi Temperature      F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [x] None Required

Responsible Engr Sunder M. Dalki MDCS Date 3-21-92

ANII N/A 5/11/92 Date       
B Eamigh 12/7/95 Organization

Nos. filled in by ISL programs. <sup>d</sup> Replacement (modification)  
Work performed by certificate holder <sup>e</sup> When required by Construction Code  
<sup>c</sup> Replaced (like or equivalent)

37  
4  
3-38  
62-1CVC-R122  
47A060-62-162  
47A406-5-1

APPENDIX 6  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
S:  
(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee  
ASME

WID No. K-PO4602A-1  
Date 3-21-92  
Report Tracking No. 92-071 <sup>2</sup> 3/23/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1 <sup>88</sup> 3/23/92

Work performed by TVA  
Company  
Supply P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No. N/A  
Expiration Date<sup>b</sup> SMD 3-21-92

Identification of system OGZ, 2"  $\phi$  PIPE, ASME CLASS-2  
Applicable Construction Code AISC 1973

Applicable Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92  
Applicable Edition of Section XI utilized for repairs or replacements  
Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 62-1CVC-RIZZ, AUX. BLDG.  
PIPE EL: 736'-11 1/2", 8'-1" NORTH OF (U), 3'-1" EAST OF (AS)

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN  
Manufacturer's Serial Number N/A SMD 3-21-92  
National Board Number (if applicable) N/A SMD 3-21-92  
Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

ASME Code 1990 Code Class [ ] [  ] 2  
[ ] Repaired [ ] Replaced<sup>c</sup> [  ] Replacement<sup>d</sup>  
Code Stamped [ ] Yes [  ] No  
Description of repair or replacement work performed REMOVE DELETED  
SUPPORT PER DCA.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_  
NONE

Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [  ] None Required

Responsible Engr Sender m. Dajal MSDS Date 3-21-92  
N/A Pine 12/7/95 Organization  
N/A 5/11/92 Date

Designed by ISI programs. <sup>d</sup> Replacement (modification)  
Designed by certificate holder <sup>e</sup> When required by Construction Code  
(or equivalent)

WORKPLAN K-PO4602A-1

37  
47A406-3-38  
47A406-3-39  
47A406-3-40  
47A406-3-41  
47A406-3-42  
47A406-3-43  
47A406-3-44  
47A406-3-45  
47A406-3-46  
47A406-3-47  
47A406-3-48  
47A406-3-49  
47A406-3-50  
47A406-3-51  
47A406-3-52  
47A406-3-53  
47A406-3-54  
47A406-3-55  
47A406-3-56  
47A406-3-57  
47A406-3-58  
47A406-3-59  
47A406-3-60

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-073 89 3/23/92  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> SMD 3-21-92

- (A) Identification of system OG2, 2" Ø PIPE AT ASME CLASS-2  
Applicable Construction Code AISC SMD 3-21-92 1973
- (B) Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92
- (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda
- (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A060-62-162, AUX. BLDG. EL. 736'-6 1/2", 5'-7 1/2" NORTH OF (U), 3'-1" EAST OF (AS)
- (C) Name of manufacturer TVA
- (C) Address of manufacturer (if known) SPRING CITY TN
- (C) Manufacturer's Serial Number
- (D) National Board Number (if applicable) N/A SMD 3-21-92
- (E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92
- (F) Year built 1990 Code Class [ ] 1 [  ] 2
- (G) [ ] Repaired [ ] Replaced<sup>c</sup> [  ] Replacement<sup>d</sup>
- (H) ASME Code Stamped [ ] Yes [  ] No
- Brief description of repair or replacement work performed INSTALL SUPPORT PER DCA. (NEW SUPPORT) 8/3/23/92 SMD 3-21-92
- Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92  
Test Pressure      psi Temperature      F
- Remarks SUPPORT COMPLETED AND DOCUMENTED 8-21-90 SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [  ] None Required  
Responsible Engr Sunder M. Dalali MOTUS Date 3-21-92  
Organization  
Date 3-24-92

Sheet Nos. filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-P04602A-1

Page IX-24A

PAGE 452 OF 564

3-37  
47A406-3-38  
47A406-3-40  
62-10VC-RS1  
47A406-3-9

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power

Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-074 *8/23/92*  
Unit 1  
Sheet<sup>a</sup>      of     

Type Code Symbol Stamp<sup>b</sup>       
Authorization No.<sup>b</sup> N/A  
SMD 3-21-92  
Expiration Date<sup>b</sup>     

Performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Classification of system OGZ, 2"  $\phi$  PIPE, ASME CLASS-2  
Table Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92  
Table Edition of Section XI utilized for repairs or replacements  
Winter 1981 Addenda

Component(s) and description (include size, capacity, material, and location as  
indicated in identification) PIPE SUPPORT ID: 47A406-3-9, AUX. BLDG.  
LEVEL 736'-6 1/2", 5'-7 1/2" NORTH OF (U), 3'-1" EAST OF (V)

Manufacturer TVA  
Manufacturer (if known) SPRING CITY TN  
Manufacturer's Serial Number N/A SMD 3-21-92  
Manufacturer's Board Number (if applicable) N/A SMD 3-21-92  
Manufacturer's Identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92  
1/A

Code Class  [ ]  [X] 2  
Repaired  [ ] Replaced<sup>c</sup>  [ ] Replacement<sup>d</sup>  
Code Stamped  [ ] Yes  [X] No  
Description of repair or replacement work performed REMOVE DELETED  
SUPPORT PER DCA

Tests Conducted:  [ ] Hydrostatic  [ ] Pneumatic  
 [ ] Nominal operating pressure  [ ] Other N/A SMD 3-21-92  
Test Pressure      psi Temperature F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  [ ] Yes  [X] None Required

Responsible Engr Sunder m. Dalci / M&DS Date 3-21-92  
N/A 12/7/95 Organization  
Date     

Performed in by ISI programs. B. Earmyngham 12/7/95  
Performed by certificate holder <sup>d</sup> Replacement (modification)  
(or equivalent) <sup>e</sup> When required by Construction Code

41  
3-37  
47A406-3-38  
47A406-3-40  
47A406-3-41  
62-1/CVC-RS1  
47A406-3-36

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
  
Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-075 20 3/23/92  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>       
Authorization No.<sup>b</sup> N A  
SMD 3-21-92  
Expiration Date<sup>b</sup>     

Identification of system 06Z, 2"  $\phi$  PIPE - ASME CLASS-2  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92  
Applicable Edition of Section XI utilized for repairs or replacements

1980-Winter 1981 Addenda  
Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A406-3-38, AUX. BLDG.  
EL. 734'-8 1/2", 2'-2" NORTH OF (U), 4'-2 1/2" EAST OF (S)  
Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN  
Manufacturer's Serial Number NONE  
National Board Number (if applicable) N/A SMD 3-21-92  
Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

Year built 1990 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No  
Brief description of repair or replacement work performed INSTALL SUPPORT PER  
DCA. (ENTIRE NEW SUPPORT) 3/23/92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 3-21-92  
Test Pressure      psi Temperature      F

Remarks SUPPORT COMPLETED AND DOCUMENTED ON 7-26-90  
SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder M. Dakhl MOSIS Date 3-21-92  
Organization  
Date 5-11-92

<sup>a</sup> Filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> (like or equivalent)  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A406-3-40  
47A406-3-27  
62-ICVC-RS1  
47A406-3-36



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
  
(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-076 <sup>80</sup> 3/23/92  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>       
Authorization No.<sup>b</sup> N/A  
SMD 3-21-92  
Expiration Date<sup>b</sup>     

Identification of system 06Z, 3"  $\phi$  PIPE ASME CLASS-7  
(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A406-3-40, AUX. BLDG. EL. 716'-4 1/4", 7'-6 1/4" WEST OF (AS), 5'-8 3/4" NORTH OF (U)

Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

(D) Manufacturer's Serial Number N/A SMD 3-21-92

(D) National Board Number (if applicable) N/A SMD 3-21-92

(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

(F) Year built 1990 Code Class  1  2

(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT AND INSTALL NEW SUPPORT PER DCA.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 3-21-92  
Test Pressure      psi Temperature F

Remarks SUPPORT COMPLETED AND DOCUMENTED ON 8-21-90. SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder M. Dakl MDCS Date 3-21-92

ANII S. B. ... Date 5/1/92 Organization     

Nos. filled in by ISI programs.  
Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

62-10VC-R51

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-077 <sup>89</sup> 3/23/92  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
SMD 3-21-92  
Expiration Date<sup>b</sup>     

Identification of system 06Z, 2"  $\phi$  PIPE, ASME CLASS 2

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 6Z-1CVC-R51, AUX. BLDG. EL. 731'-9 1/2", 6'-4" NORTH OF (T) 8'-8" EAST OF (AS)

(B) Name of manufacturer TVA

(C) Address of manufacturer (if known) SPRING CITY TN

(C) Manufacturer's Serial Number N/A SMD 3-21-92

(D) National Board Number (if applicable) N/A SMD 3-21-92

(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92  
/A

(F) Year built 1990 Code Class  1  2

(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT AND INSTALL NEW SUPPORT PER DCA.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 3-21-92  
Test Pressure      psi Temperature      F

Remarks SUPPORT COMPLETED AND DOCUMENTED ON 4-7-90. SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder M. Dolek MODS Date 3-21-92

Organization

ANII      Date 5-11-92

<sup>a</sup> pos. filled in by ISI programs.

<sup>b</sup> Work performed by certificate holder

<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

471406-1-21  
471406-5-50

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-078 <sup>20</sup>/<sub>3/23/92</sub>  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> SMD 3-21-92

Identification of system 062, 3" Ø PIPE ASME CLASS-2

(A) Applicable Construction Code AISC 1975

Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A406-3-36, AUX. BLDG. EL. 737'-75/8", 8'-1" NORTH OF (U), 3'-1" EAST OF (AS)

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY TN

(D) Manufacturer's Serial Number N/A SMD 3-21-92

(D) National Board Number (if applicable) N/A SMD 3-21-92

(D) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

(D) Year built 1990 Code Class  1  2

(D)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

(D) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed INSTALL SUPPORT PER DCA. (ENTIRE NEW SUPPORT) 20-3123/92

(D) Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other N/A SMD 3-21-92

Test Pressure      psi Temperature      F

(D) Remarks SUPPORT COMPLETED AND DOCUMENTED ON 8-7-90 SMD 3-21-92

N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder M. Dinkel Organization MEDS Date 3-21-92

ANTI [Signature] Date 3-24-92

Nos. filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-P04602A-1

Page IX-86A 85A  
SMD 3-21-92

47A406-1-2-1

ANI  
ANII

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-PO4602A-1  
Date 3-21-92  
Report Tracking No. 92-079 203/2111  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No. b N A  
SMD 3-21-92  
Expiration Date<sup>b</sup>

Identification of system 062, 2" Ø PIPE, ASME CLASS-2

(A) Applicable Construction Code AISC 1975  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 47A406-1-27 AUX. BLDG.  
EL. 699'-6", 2'-6" NORTH OF (U) 5'-7" WEST OF (AS)

(B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

(C) Manufacturer's Serial Number N/A SMD 3-21-92

(D) National Board Number (if applicable) N/A SMD 3-21-92

(E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92  
/A

(F) Year built 1990 Code Class [ ] 1 [X] 2

(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

(H) ASME Code Stamped [ ] Yes [X] No  
Brief description of repair or replacement work performed INSTALL SUPPORT PER  
DCA. (ENTIRE NEW SUPPORT)

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92  
Test Pressure      psi Temperature F

Remarks SUPPORT COMPLETED AND DOCUMENTED ON 8-7-90. SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr Sunder M. Dalki 3-21-92 Date     

Organization       
Date 3-24-92

<sup>a</sup> As filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WORKPLAN K-PO4602A-1

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

ANL

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1  
Date 3-21-92  
Report Tracking No. 92-080 *2/23/92*  
Unit 1  
Sheet<sup>a</sup>      of     

Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
SMD 3-21-92  
Expiration Date<sup>b</sup>     

Identification of system 06Z, 3"Ø PIPE, ASME CLASS-2  
A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92

B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 6Z-1CVL-R86, AUX. BLDG. EL. 721'-0", 10'-0" SOUTH OF (U), 11'-8 1/4" WEST OF (AS)

B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

C) Manufacturer's Serial Number N/A SMD 3-21-92

D) National Board Number (if applicable) N/A SMD 3-21-92

E) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

F) Year built 1990 Code Class  1  2

G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE SUPPORT & REINSTALL PER DCA. (REPLACED LUGS WITH LARGER SIZE) 5/12/92

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 3-21-92  
Test Pressure      psi Temperature      F

Remarks SUPPORT COMPLETED AND DOCUMENTED ON 8-15-90 SMD 3-21-92  
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Sunder M. Dast MDCS Date 3-21-92

ANII      Organization       
Date 5-12-92

<sup>a</sup> filled in by ISI programs.  
<sup>b</sup> performed by certificate holder  
<sup>c</sup> replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-P4602A-1

Date 3-21-92

Report Tracking No. 92-081 8/23/92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Unit 1 92-081 8/23/92

Sheet<sup>a</sup>      of      8/23/92

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>

Authorization No.<sup>b</sup> N/A

Expiration Date<sup>b</sup> 3-21-92

4. Identification of system 06Z 3"Ø PIPE, ASME CLASS-2

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda N/A SMID 3-21-92 Code Case N/A SMID 3-21-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 6Z-1CVC-R67, AUX. BLDG. PIPE EL. 717'-7", 7'-6 1/4" N.O.F(T), 11'-8 1/4" WEST OF (AS)

6.(B) Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number N/A SMID 3-21-92

6.(D) National Board Number (if applicable) N/A SMID 3-21-92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A SMID 3-21-92

6.(F) Year built 1990 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [x] No

7. Brief description of repair or replacement work performed MODIFY SUPPORT PER DCA. (CHANGED STRUTS TO LARGER SIZE AND REPLACED LUGS AND CLAMP) 8/23/92

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other N/A SMID 3-21-92

Test Pressure      psi Temperature F

9. Remarks SUPPORT COMPLETED AND DOCUMENTED. 10-4-90 SMD 3-21-92

N/A SMID 3-21-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [x] None Required

Responsible Engr Samuel M. Delel / MECS Date 3-21-92

Organization

ANII      Date 5-11-92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. K-P04602A-1 <sup>3/24/92</sup>  
Date 3-21-92 <sup>082</sup>  
Report Tracking No. 92-075 <sup>0/2/92</sup>  
Unit 1  
Sheet<sup>a</sup>      of     

performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> SMD 3-21-92

Identification of system 062, 2"Ø PIPE, ASME CLASS-2  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A SMD 3-21-92 Code Case N/A SMD 3-21-92  
Applicable Edition of Section XI utilized for repairs or replacements  
Winter 1981 Addenda

Component(s) and description (include size, capacity, material, and location as  
aid in identification) PIPE SUPPORT ID: 47A406-3-37 AUX. BLDG.  
36'-6 1/2" 2'-2" NORTH OF (U), 3'-7 3/4" EAST OF (AS)  
Manufacturer TVA  
Manufacturer (if known) SPRING CITY TN  
Manufacturer's Serial Number N/A SMD 3-21-92  
Board Number (if applicable) N/A SMD 3-21-92  
Identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92  
/A

Code Class  1  2  
Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
Code Stamped  Yes  No  
Description of repair or replacement work performed INSTALL SUPPORT PER  
OCA (ENTIRE NEW SUPPORT) 3/23/92  
Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other N/A SMD 3-21-92  
Test Pressure      psi Temperature       
SUPPORT COMPLETED AND DOCUMENTED ON 7-26-90 SMD 3-21-92

Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required  
Responsible Engr Sunderm. Delo M6DS Date 3-21-92  
Organization  
Date 5-11-92

<sup>a</sup> Filled in by ISI programs.  
<sup>b</sup> Filled in by certificate holder  
or equivalent)  
<sup>c</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A406-3-38

47A406-5-40

62-1CVC-RS1

47A406-1-27

47A406-5-36

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KPO4591A-1  
Date 3-25-92  
Report Tracking No. 92-083 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL

Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-26-92

Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT 1-62A-244 ORIGINALLY INSTALLED IN THE  
CONTAINMENT BLDG, EL. 711'-6"; AZ. 99°; R=52'-6"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2

[ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-244

DELETED PER DCADO 4591-110, -12-00 <sup>SRD</sup> 3-25-92

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> / MECH. MODS Date 3-25-92

Organization NA <sup>SRD</sup> 3-25-92 Date 4-10-92

<sup>a</sup> filled in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 462 OF 564

WORKPLAN KPO4591A-1

Page IX-17

1-62A-252  
1-62A-258  
1-62A-259  
1-62A-260  
1-62A-266



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

**Owner** TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
**Plant** Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KPO4591A-1  
Date 3-25-92  
Report Tracking No. 92-084 *ag 3/26/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

Applicable Edition of Section XI utilized for repairs or replacements  
Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT 1-62A-252 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 704'-0"; AZ. 54°; R= 52'-0"

Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92  
Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92  
National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92  
Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA <sup>SRD</sup> Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-252 DELETED PER DCA PO 4591-16-0, -17-0, -18-0 AND -19-0.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 3-25-92  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-25-92

Organization NA <sup>SRD</sup> 3-25-92 Date 4-10-92 <sup>SRD</sup> 3-25-92 ME 12/7/95

Work performed by ISI programs.  
Work performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 463 OF 564

WORKPLAN KPO4591A-1

Page IX-19

1-177A-759A  
1-177A-759A  
1-177A-759A

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. KPO4591A-1  
 Date 3-25-92  
 Report Tracking No. 92-085 <sup>20</sup> 3/26/92  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
 Company P.O. Box 2000  
 Address SPRING CITY, TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
 Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
 Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system OG2 CHEMICAL AND VOLUME CONTROL  
 5.(A) Applicable Construction Code AISC 19 73  
 Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-258 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 711'-6"; AZ. 48°; R=52'-2"  
 Name of manufacturer BERGEN PATERSON <sup>4</sup> <sup>SRD</sup> 3-25-92

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-258 DELETED PER DCA PO4591-27-0 AND -28-0.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
 Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>F</sup>

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> 3-25-92 / MECH. MODS Date 3-25-92

Organization NA Date 4-10-92 <sup>SRD</sup> 3-25-92 AME 12/7/95

Work performed by certificate holder (like or equivalent) B. Eamigh 12/7/95  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 464 OF 569

WORKPLAN KPO4591A-1

Page 1X-21

1-62A-259  
266  
1-62A-259

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KPO4591A-1  
Date 3-25-92  
Report Tracking No. 92-086 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Identification of system OG2 CHEMICAL AND VOLUME CONTROL

A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-259 ORIGINALLY INSTALLED  
THE CONTAINMENT BLDG.; EL. 711'-6"; AZ. 44°; R= 54'-2"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2

Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-259  
DELETED PER DCA PO 4591-29-0 AND -30-0.

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> / MECH. MODS Date 3-25-92

Organization NA Charles F. Ames, Q.E. Date 4-10-92 <sup>AME</sup> 2/2/95

Performed by certificate holder B. Earnest 12/7/95  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 465 OF 564

WORKPLAN KPO4591A-1

Page IX-30

A-  
1-62A-271  
1-62A-273  
1-62A-274  
1-62A-266  
1-62A-269

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO4591A-1  
Date 3-25-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-087 20/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

5.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-2660 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 44°; R=55'-2 1/2"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

5.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

5.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

5.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

5.(F) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class  1  2

5.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

5.(H) ASME Code Stamped  Yes  No

6. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-2660 DELETED PER DCA PO 4591-41-0 AND - 42-0.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 3-25-92  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>F</sup>

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-25-92

WIT: NA Charles K. Smith, QE Organization N/A Date 4-10-92 <sup>SRD</sup> 12/17/95

filled in by ISI programs.  
performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 466 OF 569

WORKPLAN KPO4591A-1

Page IX-32

1-62A-271  
1-62A-273  
1-62A-274  
1-62A-276

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN City and State

WID. No. KPO4591A-1 Date 3-25-92 Report Tracking No. 92-088 2/26/92 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp NA SRD 3-25-92 Authorization No. NA SRD 3-25-92 Expiration Date NA SRD 3-25-92

4. Identification of system 0602 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda NA SRD 3-25-92 Code Case NA SRD 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-267 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 440; R = 55'-2 1/2"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA SRD 3-25-92

6.(C) Manufacturer's Serial Number NA SRD 3-25-92

6.(D) National Board Number (if applicable) NA SRD 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced [X] Replacement

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-267 DELETED PER DCA PO 4591-43-0 AND -44-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other SRD 3-25-92 Test Pressure NA SRD 3-25-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached SRP [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-25-92

ANII NA Charles R. Smith, PE Date 4/10/92 N/A BONE 12/7/95

Form filled in by ISI programs. B. Smith 12/7/95

Work performed by certificate holder (like or equivalent)

d Replacement (modification)

e When required by Construction Code

PAGE 467 OF 564

WORKPLAN KPO4591A-1

Page IX-41

1-62A-271 1-62A-273 1-62A-274 276 1-62A-276

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN City and State

WID No. KPO4591A-1 Date 3-25-92 Report Tracking No. 92-089 3/26/92 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp NA SRD 3-25-92 Authorization No. NA SRD 3-25-92 Expiration Date NA SRD 3-25-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

\* 5.(A) Applicable Construction Code ATSC Edition JUNE 1973 Addenda NA SRD 3-25-92 Code Case NA SRD 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-271 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 705'-10 5/8"; AZ. 440; R=56'-2 3/16"

Name of manufacturer NA SRD 3-25-92 Address of manufacturer (if known) NA SRD 3-25-92

6.(C) Manufacturer's Serial Number NA SRD 3-25-92

6.(D) National Board Number (if applicable) NA SRD 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced [X] Replacement

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT 1-62A-271 MODIFIED PER DCA P04591-500 AND -51-0 TO REMOVE EXISTING CLAMP, INSTALL LUGS AND NEW ASSEMBLY.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure NA SRD 3-25-92 psi Temperature NA SRD 3-25-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr SOTTY DICKEN SRD MECH. MODS Date 3-25-92

AMII B. Eamys Organization Date 6/4/92

WORKPLAN KPO4591A-1

Page IX-56

\* Nos. filled in by ISI programs. Work performed by certificate holder (like or equivalent)

d Replacement (modification) e When required by Construction Code

\* LUG WELDS TO PIPE MADE PER CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA, SRD 3-26-92

1-67A-776 776 1-67A-776

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. RPO4591A-1

Date 3-25-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-090 <sup>SRD</sup> 3/26/92

Unit 1

Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system OG2 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73

Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-273 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 44°; R = 50'-2 3/16"

6.(B) Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-273 DELETED PER DCA PO 4591-52-0, -53-0, -54-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> / MECH. MODS Date 3-25-92

ANII NA Charlie K. Dymally, PE Organization N/A Date 1-10-92  
B. Earmigh 12/7/95 12/7/95

<sup>a</sup> Work performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 469 OF 564

WORKPLAN KPO4591A-1

Page IX-58

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO4591A-1  
Date 3-25-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-091 20 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL  
5.(A) Applicable Construction Code ATSC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-274 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ 44°; R=50'-2 3/16"  
Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

5.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

5.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

5.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

5.(F) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class  1  2  
5.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

5.(H) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed SUPPORT 1-62A-274 DELETED PER DCA PO4591-55-0 AND -56-0.

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-25-92

Organization AME Date 4-10-92  
B. Earnigh 12/17/95 12/17/95

<sup>a</sup> Filled in by ISI programs.  
<sup>b</sup> performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 470 OF 564

WORKPLAN KPO4591A-1

Page IX-60

1-62A-274  
1-62A-282  
1-62A-282  
1-62A-276



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

WID No. KPO4591A-1  
Date 3-25-92  
Report Tracking No. 92-092 29 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system 0602 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-276 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711', AZ. 53°-10', R=48'-7 11/16

Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2  
[ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(G) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-276 DELETED PER DCA PO4591-57-0 AND -58-0

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>SRD</sup> 3-25-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-25-92

Organization N/A Date 4-10-92 <sup>SRD</sup> 12/7/95

filled in by ISI programs.  
performed by certificate holder B. Eumigh 12/7/95

(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code **PAGE 471 OF 564**

WORKPLAN KPO4591A-1  
Page IX-62

1-172-9071-1-171  
523A  
1-62A-523A

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 4591A-1  
Date 3-25-92  
Report Tracking No. 92-093 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system CO2 CHEMICAL AND VOLUME CONTROL

5. (A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-277 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-7", AZ. 55°, R=47'-1"

6. (B) Name of manufacturer BERGEN PATERSON

6. (C) Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6. (D) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6. (E) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6. (F) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

7. (A) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class  1  2

7. (B)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

7. (C) ASME Code Stamped  Yes  No

8. Brief description of repair or replacement work performed SUPPORT 1-62A-277 MODIFIED BY ADDING STRUCTURAL MATERIAL, BP STRUTS & FRICTION ANCHOR PER DCA P04591-131-1E-132-1

9. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 3-25-92  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA F

10. Remarks NONE

11. Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

12. Responsible Engr SLOTTY DICKEN / MECH. MODS Date 3-25-92

13. Date 6/4/92 Organization

14. <sup>a</sup> Filled in by ISI programs.  
<sup>b</sup> Performed by certificate holder  
<sup>c</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 472 OF 564

WORKPLAN KPO 4591A-1

Page IX-83

1-62A-278 82  
1-62A-278 82  
1-62A-281 182  
1-62A-282 282  
1-62A-282 282  
1-62A-282 282  
523 A

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 4591A-1  
Date 3-25-92  
Report Tracking No. 92-094 8/3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA SRO 3-25-92  
Authorization No.<sup>b</sup> NA SRO 3-25-92  
Expiration Date<sup>b</sup> NA SRO 3-25-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL  
5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRO 3-25-92 Code Case NA SRO 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPESUPPORT 1-62A-278 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 712'; AZ 53°; R=45'-6"  
Name of manufacturer BERGEN PATERSON

6.(B) Address of manufacturer (if known) NA SRO 3-25-92  
6.(C) Manufacturer's Serial Number NA SRO 3-25-92  
6.(D) National Board Number (if applicable) NA SRO 3-25-92  
6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA SRO 3-25-92 Code Class [ ] 1 [ ] 2  
[ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>  
ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-278 DELETED PER DCA PO 4591-59-0 AND -60-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA SRO 3-25-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required  
Responsible Engr SLATTY DICKEN / MECH. MODS Date 3-25-92

Organization N/A  
Date 4-16-92  
B. Eamigh 12/7/95

Work performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 473 OF 564  
WORKPLAN KPO4591A-1  
Page IX-85

701  
1-17A  
573

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO4591A-1  
Date 3-25-92  
Report Tracking No. 92-095 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system CO2 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-523 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 712'-2 1/2"; AZ. 301; R = 48'-0"

6.(B) Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2  
[ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed SUPPORT 1-62A-523 DELETED PER DCA P04591-608-0 AND -609-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>F</sup>

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr SCOTT DICKEN <sup>SRD</sup> / MECH. MODS Date 3-25-92

AMT NA Charles J. Dineen <sup>SRD</sup> Organization Point  
Date 4-10-92 <sup>12/7/95</sup>

B. Eamigh 12/7/95

Sheet Nos. filled in by ISI programs.  
Work performed by certificate holder  
replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 474 OF 564  
WORKPLAN KPO4591A-1  
Page IX-89

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 4591A-1

Date 3-25-92

Report Tracking No. 92-096 80 2/26/92

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-25-92

Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-25-92

4. Identification of system OG2 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-25-92 Code Case NA <sup>SRD</sup> 3-25-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-528 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 72', AZ. 302°-45', R = 48'-6"

6.(B) Name of manufacturer NA <sup>SRD</sup> 3-25-92

6.(C) Address of manufacturer (if known) NA <sup>SRD</sup> 3-25-92

6.(D) Manufacturer's Serial Number NA <sup>SRD</sup> 3-25-92

6.(E) National Board Number (if applicable) NA <sup>SRD</sup> 3-25-92

6.(F) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(G) Year built 19 NA <sup>SRD</sup> 3-25-92 Code Class [ ] 1 [ ] 2

6.(H) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(I) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT 1-62A-528 MODIFIED TO REMOVE EXISTING STRUCTURAL MATERIAL AND INSTALL NEW MATERIAL\* PER DCA PO4591-

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic 70-09-71-0.

[ ] Nominal operating pressure [ ] Other <sup>SRD</sup> 3-25-92

Test Pressure NA <sup>SRD</sup> 3-25-92 psi Temperature NA <sup>F</sup>

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> / MECH. MODS Date 3-25-92

AWI B. Eampli Organization WORKPLAN KPO4591A-1  
Date 6/4/92

Page IX-103

\* Not filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

\* PIPE TO PIPE PAD WELDS MADE PER CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA.

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by: TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

WID No. KPO4591A-1  
Date 3-26-92  
Report Tracking No. 92-097 <sup>SRD</sup> 2/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-26-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-26-92 Code Case NA <sup>SRD</sup> 3-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-531 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 440; R=56'-2 3/16"

6.(B) Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) NA <sup>SRD</sup> 3-26-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-26-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-26-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA <sup>SRD</sup> 3-26-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT 1-62A-531 DELETED PER DCA PO4591-72-0 AND -73-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA <sup>SRD</sup> 3-26-92 psi Temperature NA <sup>SRD</sup> 3-26-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN <sup>SRD</sup> / MECH. MODS Date 3-26-92

ANII NA Charles R. Donald, PE Organization MIA BOONE  
Date 4-18-92 <sup>SRD</sup> 12/7/95

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> or work performed by certificate holder  
<sup>c</sup> replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO4591A-1  
Date 3-26-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-09829 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-26-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5. (A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-26-92 Code Case NA <sup>SRD</sup> 3-26-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 1-62A-537 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 14°18', R= 48'-0"  
Name of manufacturer NA <sup>SRD</sup> 3-26-92

6. (B) Address of manufacturer (if known) NA <sup>SRD</sup> 3-26-92

6. (C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-26-92

6. (D) National Board Number (if applicable) NA <sup>SRD</sup> 3-26-92

6. (E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6. (F) Year built 19 NA <sup>SRD</sup> 3-26-92 Code Class [ ] 1 [ ] 2

6. (G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6. (H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed REMOVED EXISTING SUPPORT 1-62A-537, INSTALLED NEW K STRUCTURAL MATERIAL AND LUGS FOR SUPPORT 1-62A-537 PER DCN F-11794D.

8. Tests Conducted: <sup>SRD</sup> 3-26-92 [ ] Hydrostatic [ ] Pneumatic DCN F-11794D, DCA PO4591-82, -83, -84  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKIN <sup>SRD</sup> / MECH. MODS Date 3-26-92

ANII B. Earmagh Organization SRD Date 6/4/92

Sheet Nos. filled in by ISI programs.

\* performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code <sup>Page</sup> IX-131

WORKPLAN KPO4591A-1

\* LUGS TO PIPE WELDS MADE PER CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. <sup>SRD</sup> 3-26-92

1-62A-539  
620  
1-62A-

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO4591A-1

Date 3-26-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-099 <sup>20</sup> 2/26/92

Unit 1

Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-26-92

Company  
P.O. Box 2000

Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-26-92

Address  
SPRING CITY, TN

Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-26-92

City and State

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-26-92 Code Case NA <sup>SRD</sup> 3-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) TWO (2") PIPE SUPPORT 1-62A-539 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 712', AZ. 530', R=45'-6"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-26-92

6.(C) Manufacturer's Serial Number NA <sup>SRD</sup> 3-26-92

6.(D) National Board Number (if applicable) NA <sup>SRD</sup> 3-26-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA <sup>SRD</sup> 3-26-92 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-539 DELETED PER DCA PO4591-138-0 AND -139-0.

8. Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other

Test Pressure NA <sup>SRD</sup> 3-26-92 psi Temperature NA <sup>F</sup>

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKIN / MECH. MODS Date 3-26-92

Organization NA <sup>N/A</sup> Date 4-16-92 <sup>12/7/95</sup>

Sheet Nos. filled in by CSI programs.  
work performed by certificate holder  
aced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 478 OF 504

WORKPLAN KPO4591A-1

Page IX-133



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 4591A-1  
Date 3-26-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-100 803/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA  
P.O. Box 2000  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA SRD 3-26-92  
Authorization No.<sup>b</sup> NA SRD 3-26-92  
Expiration Date<sup>b</sup> NA SRD 3-26-92

4. Identification of system CO<sub>2</sub> CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA SRD 3-26-92 Code Case NA SRD 3-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A400-7-5 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 704', AZ. 83°-7'-30", R=57'-11/4"

6.(B) Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) NA SRD 3-26-92

6.(C) Manufacturer's Serial Number NA SRD 3-26-92

6.(D) National Board Number (if applicable) NA SRD 3-26-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

6.(F) Year built 19 NA SRD 3-26-92 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed PIPE SUPPORT 47A400-7-5 DELETED PER DCA PO4591-108-0

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other SRD 3-26-92  
Test Pressure NA SRD 3-26-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92

ANII NA Charles R. Amick, PE Organization N/A Date 4-10-92 12/7/95

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN City and State

WID No. KPO4591A-1 Date 3-26-92 Report Tracking No. 92-102 3/26/92 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp NA SRD 3-26-92 Authorization No. NA SRD 3-26-92 Expiration Date NA SRD 3-26-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5.(A) Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda NA SRD 3-26-92 Code Case NA SRD 3-26-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A406-7-138 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 45°; R= 48'-0"

Name of manufacturer NA SRD 3-26-92

6.(C) Address of manufacturer (if known) NA SRD 3-26-92

6.(D) Manufacturer's Serial Number NA SRD 3-26-92

6.(E) National Board Number (if applicable) NA SRD 3-26-92

Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

6.(F) Year built 19 NA SRD 3-26-92 Code Class [ ] 1 [ ] 2

[ ] Repaired [ ] Replaced [X] Replacement

6.(G) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed INSTALLED SUPPORT 47A406-7-138 STRUCTURAL MATERIAL AND MADE WELD TO PIPE PER PCA PO 4591-133-0, -134-0 AND

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other SK 406-754.36

Test Pressure NA SRD 3-26-92 psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92

ANTI B. Eammah Organization WORKPLAN KPO4591A-1 Date 6/4/92

Nos. filled in by ISI programs. k performed by certificate holder (like or equivalent) d Replacement (modification) Page IX-189 e When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

WID No. KPO 4591A-1  
Date 3-26-92  
Report Tracking No. 92-103 <sup>28</sup> 5/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-26-92

3. Identification of system 0602 CHEMICAL AND VOLUME CONTROL

4. (a) Applicable Construction Code AISC 19 73

Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-26-92 Code Case NA <sup>SRD</sup> 3-26-92

5. (b) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (c) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A400-7-139 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-6 3/16"; AZ 54°; R=45'-5"

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA <sup>SRD</sup> 3-26-92

7. (d) Manufacturer's Serial Number NA <sup>SRD</sup> 3-26-92

8. (e) National Board Number (if applicable) NA <sup>SRD</sup> 3-26-92

9. (f) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

10. (g) Year built 19 NA <sup>SRD</sup> 3-26-92 Code Class  1  2

11. (h) Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped  Yes  No

12. Brief description of repair or replacement work performed INSTALLED SUPPORT 47A400-7-139 STRUCTURAL MATERIAL AND STRUT ASSEMBLY PER DCA PO4591-115-0

13. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 3-26-92  
Test Pressure NA <sup>SRD</sup> 3-26-92 psi Temperature NA <sup>F</sup>

14. Remarks NONE

15. Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92

ANII B. Eamugli Organization SRD  
Date 6/4/92

WORKPLAN KPO4591A-1

16. Sheet Nos. filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

Page IX-206

47A 400-7-140

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KPO4591A-1  
Date 3-20-92  
Report Tracking No. 92-104 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. Box 2000  
Address SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-20-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-20-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-20-92

Identification of system 0602 CHEMICAL AND VOLUME CONTROL  
3. (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-20-92 Code Case NA <sup>SRD</sup> 3-20-92

3. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

3. (C) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A 406-7-141 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-5 7/8"; AZ 440; R= 57'-1 1/2"

3. (D) Name of manufacturer BERGEN PATERSON

3. (E) Address of manufacturer (if known) NA <sup>SRD</sup> 3-20-92

3. (F) Manufacturer's Serial Number NA <sup>SRD</sup> 3-20-92

3. (G) National Board Number (if applicable) NA <sup>SRD</sup> 3-20-92

3. (H) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

3. (I) Year built NA <sup>SRD</sup> 3-20-92 Code Class  1  2

3. (J)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

3. (K) ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed INSTALLED PIPE SUPPORT 47A 406-7-141 STRUCTURAL MATERIAL, 2-SNUBBERS (2440) AND FRICTION ANCHOR PER DCA P04591-117-0  
Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other <sup>SRD</sup> 3-20-92  
Test Pressure NA <sup>SRD</sup> 3-20-92 psi Temperature NA <sup>SRD</sup> 3-20-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SOTTY DICKIN / MECH. MODS Date 3-20-92

WII B. Eamly Date 6/4/92 Organization WORKPLAN KPO4591A-1

filled in by ISI programs. <sup>d</sup> Replacement (modification) Page 1X-232

performed by certificate holder <sup>e</sup> When required by Construction Code

(like or equivalent)

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

WID No. KPO 4591A-1

Date 3-26-92

Report Tracking No. 92-105 3/26/92

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA  
P.O. Box 2000  
Spring City, TN

Type Code Symbol Stamp<sup>b</sup> NA SRO 3-26-92

Authorization No.<sup>b</sup> NA SRO 3-26-92

Expiration Date<sup>b</sup> NA SRO 3-26-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL

5. (A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA SRO 3-26-92 Code Case NA SRO 3-26-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A406-7-142 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6", AZ. 59°, R=48'

Name of manufacturer BERGEN PATERSON

Address of manufacturer (if known) NA SRO 3-26-92

6. (C) Manufacturer's Serial Number NA SRO 3-26-92

6. (D) National Board Number (if applicable) NA SRO 3-26-92

6. (E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6. (F) Year built 19 NA 74 Code Class [ ] 1 [ ] 2

6. (G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6. (H) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed INSTALLED SUPPORT 47A406-7-142 STRUCTURAL MATERIAL, (2) SNUBBERS (2440) AND FRICTION ANCHORS PER DCA PO 4591-118

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA SRO 3-26-92 psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92

Organization AMII Date 6/4/92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> performed by certificate holder (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

47A406-7-146  
47A406-7-147  
47A406-7-148  
47A406-7-149  
47A406-7-150

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KPO4591A-1  
Date 3-26-92  
Report Tracking No. 92-106 <sup>SRD</sup> 3/26/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Authorization No.<sup>b</sup> NA <sup>SRD</sup> 3-26-92  
Expiration Date<sup>b</sup> NA <sup>SRD</sup> 3-26-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL  
Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA <sup>SRD</sup> 3-26-92 Code Case NA <sup>SRD</sup> 3-26-92  
Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A 406-7-147 ORIGINALLY INSTALLED IN THE CONTAINMENT, EL. 711'-17/16", AZ. 440, R=56'-2 3/16"  
Name of manufacturer NA <sup>SRD</sup> 3-26-92  
Address of manufacturer (if known) NA <sup>SRD</sup> 3-26-92  
Manufacturer's Serial Number NA <sup>SRD</sup> 3-26-92  
National Board Number (if applicable) NA <sup>SRD</sup> 3-26-92  
Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA <sup>SRD</sup> 3-26-92 Code Class  1  2  
 Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>  
ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed INSTALLED SUPPORT 47A 406-7-147 STRUCTURAL MATERIAL PER DCA PO4591-120-0

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure NA <sup>SRD</sup> 3-26-92 psi Temperature NA <sup>SRD</sup> 3-26-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92

Organization B Eumgh Date 6/4/92

Not filled in by ISI programs.  
Work performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 484 OF 564

WORKPLAN KPO4591A-1  
Page IX-27A

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-197

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date 9-17-90
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 2 of 1  
Unit 1 *AK 2/21/92*
3. Work Performed by: TVA  
Company  
Report Tracking No. 92-108  
Type Code Symbol Stamp<sup>b</sup> N/A CH 32292  
P.O. BOX 2000  
Address  
Authorization No.<sup>b</sup> N/A 30792  
SPRING CITY, TN  
City and State  
Expiration Date<sup>b</sup> N/A CH 32292
4. Identification of System 074, RHR, ASME CLASS 2
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - W1981
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R6, REPLACE STRUTS & END BRACKETS  
STRUT# 2200-3 R6, BRACKETS# 2003-3 R3
- 6(B). Name of Manufacturer BERGEN PATTERSON  
Address of Manufacturer (if known) BOSTON MASS
- 6(C). Manufacturer's Serial Number N/A with 9-17-90
- 6(D). National Board Number (if applicable) N/A with 9-17-90
- 6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT# 84103, 32EG
- 6(F). Year Built REPLACE STRUTS 1990
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
REPLACED STRUTS & BRACKETS PER DCN P-05698A & N.P.K-POS698A-2
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90 F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Charles W. Brown 1 MEA Date 9-17-90  
Organization

ANII B. Eamigh Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY TENN  
City and State

WID No. KPO5698 A-2  
Date 3-27-92  
Report Tracking No. 92-109 3/27/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> N/A 3.27.92  
Authorization No.<sup>b</sup> N/A 3.27.92  
Expiration Date<sup>b</sup> N/A 3.27.92

4. Identification of system 074 RHR ASME class 2

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda N/A 3.27.92 Code Case N/A 3.27.92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) RIGID STRUT PN 2252-1.5  
8" PIPE CLAMP PN 6202-1.5 MODIFIED SUPPORT 1074-1-RHR R16

6.(B) Name of manufacturer BERGEN PATTERSON  
Address of manufacturer (if known) BOSTON MASS

6.(C) Manufacturer's Serial Number N/A 3.27.92

6.(D) National Board Number (if applicable) N/A 3.27.92

6.(E) Other identification (Subassembly number, heat number, etc.) MATERIAL 575'S N/A'S  
A 197052, AND A136176

6.(F) Year built 19 90 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed MODIFIED SUPPORT BY  
MOVING OUT STRUT AND CLAMP

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A 3.27.92 psi Temperature      F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr Tom Kelly, MODS Date 3/27/92  
Organization

ANII B. Eamigh Date 6/3/92

PAGE 486 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WID No. KPO5698 A-2

IX-227



APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-237

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

Report Tracking No. 92-110 3126192

- 3. Work Performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA LAM 050391

Authorization No.<sup>b</sup> NA LAM 050391

Expiration Date<sup>b</sup> NA LAM 050391

4. Identification of System 074, BHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R19 REPLACE STRUT, STRUT#2252-4BZ  
WELDING LUG PART#-6410-4 R\*\*

6(B). Name of Manufacturer BERGEN PATERSON  
Address of Manufacturer (if known) BOSTON, MASS

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT#ZC822AG01

6(F). Year Built STRUT REPLACED 1990

6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
REPLACED STRUT PER DCN P-05698-A & W.P. K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
<sup>with</sup> 9-17-90 Responsible Engr Charles L. Brown MEA Date 9-17-90  
Organization

ANII BS Everage Date 6/3/92

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>a</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.

74-1RHR-R19 7A-1DUD.000

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05698A-2

Date 3/27/92

Report Tracking No. 92-111 92/3/26/92

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TENN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 32792

Authorization No.<sup>b</sup> N/A 32792

Expiration Date<sup>b</sup> N/A 32792

4. Identification of system 074 RHR ASME CLASS 2

5.(A) Applicable Construction Code AISC

Edition JUNE 73 Addenda N/A Code Case 1973

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1074-1RHR-R2B

MODIFIED SUPPORT RIGID STRUT PIN 2252-12 1/2 120" PIPE CLAMP AN 6202-12

6.(B) Name of manufacturer BERGEN PATTERSON

Address of manufacturer (if known) BOSTON MASS

6.(C) Manufacturer's Serial Number N/A 32792

6.(D) National Board Number (if applicable) N/A 32792

6.(E) Other identification (Subassembly number, heat number, etc.) 575N #6 A 136163, A129563, A 128883, A128901, 1A 134766

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped:  Yes  No

7. Brief description of repair or replacement work performed MODIFIED SUPPORT

PER OCA P05698-49-0 MODIFIED SUPPORT BY INSTALLING

8. Tests Conducted:  Hydrostatic  Pneumatic  Other

Nominal operating pressure  Other

Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr [Signature] Organization MODS Date 3/27/92

ANII [Signature] Date 6/3/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction

APPENDIX D  
Page 1 of 1

WORKPLAN KP0564BA-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page 1X-262

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 8-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN.  
City and State

Report Tracking No. 93-112  
Type Code Symbol Stamp<sup>b</sup> NINSA 5029-32092

Authorization No.<sup>b</sup> N/A JAN 8-17-90

Expiration Date<sup>b</sup> N/A JAN 8-17-90

- 4. Identification of System 074, RHR, ASME CLASS 2
- 5(A). Applicable Construction Code AISC 19 73  
Edition JUNE, 1973 Addenda N/A JAN 8-17-90

- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-w1981

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification).  
PIPE SUPPORT 1074-74-1RHR-R29: 3/8" TS 6 X 3, 3/8" TS 6 X 4 10 GA SH. MTL

- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

- 6(C). Manufacturer's Serial Number N/A JAN 8-17-90

- 6(D). National Board Number (if applicable) N/A JAN 8-17-90

- 6(E). Other Identification (subassembly number, heat number, etc.) HT # 5  
75999 (3/8" TS 6 X 4), 038029 (3/8" TS 6 X 3), 160888 (10 GAUGE)

- 6(F). Year Built 1990

- 6(G). Repaired  Replaced  Replacement

- 6(E). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.  
COMPLETELY REBUILT SUPPORT

- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A JAN 8-17-90 psi Test Temperature N/A JAN 8-17-90 F

- 9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr [Signature] Date 3/27/92  
Organization MOOS

ANII B. Eamigh Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page IX-284

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
P.O. BOX 2000  
Address  
SPRING CITY, TN.  
City and State

Report Tracking No. 92-113  
Type Code Symbol Stamp<sup>b</sup> NIP 56 52792  
Authorization No.<sup>b</sup> NIA 56 32792  
Expiration Date<sup>b</sup> NIP 56 32792

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W19B1

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R32. ADD SUPPORT. RIGID STRUT PART# 2015-4 R1 & 12"Ø PIPE CLAMP PART# 6202-4 R1

6(B). Name of Manufacturer BERGEN PATERSON  
Address of Manufacturer (if known) BOSTON MASS.

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT# 2CB22AG01

6(F). Year Built NEW SUPPORT 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
ADDED SUPPORT PER DGN-P-05698-A & W.P.K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data reports to be attached.  
Responsible Engr Charles W. Wood Date 9-17-90  
Organization MEA

ANII B. Earnest Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN  
City and State

Report Tracking No. 92-1A <sup>90/</sup> 3/26/92  
Type Code Symbol Stamp<sup>b</sup> N/A  
Authorization No.<sup>b</sup> N/A 32792  
Expiration Date<sup>b</sup> N/A 3/30/92

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A <sup>with</sup> 9-17-96

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R40 REPLACE STRUT & CLAMP  
STRUT# 2252-1.5 R2, CLAMP# 6202-1.5

6(B). Name of Manufacturer BERGEN PATERSON  
Address of Manufacturer (if known) BOSTON, MASS.

6(C). Manufacturer's Serial Number N/A <sup>with</sup> 9-17-90

6(D). National Board Number (if applicable) N/A <sup>with</sup> 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT# PL1X8X0'8" (2CBZZAG01)

6(F). Year Built REBUILT 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
REPLACED STRUT & CLAMP PER DCN P-05609-A & W.P.  
K-P05609A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A <sup>with</sup> 9-17-90 psi Test Temperature N/A <sup>with</sup> 9-17-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
<sup>with</sup> 9-17-90 Responsible Engr Charles Williams MEA Date 9-17-90  
Organization

ANII B. Eumaj Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-308

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 9-19-90  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000 Sheet<sup>a</sup> 1 of 1  
Spring City, Tennessee Unit 1

3. Work Performed by: T.V.A. Report Tracking No. 92-115 <sup>3/26/92</sup>  
Company Type Code Symbol Stamp<sup>b</sup> N/A 3274

P.O. BOX 2000 Authorization No.<sup>b</sup> N/A 3274  
Address Expiration Date<sup>b</sup> N/A 3274  
SPRING CITY, TN. City and State

4. Identification of System 074, BHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-19-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R47, REBUILD HANGER  
STRUT # 2100-7 R6, B'CLAMP # 26007 R5 PL 3/4, T5 3X3X1/4, PL 3/4, 1/2" MAX BOLTS

6(B). Name of Manufacturer BERGEN PATERSON (STRUT & CLAMP ONLY)  
Address of Manufacturer (if known) BOSTON, MASS

6(C). Manufacturer's Serial Number N/A with 9-19-90

6(D). National Board Number (if applicable) N/A with 9-19-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT # 2C882AG01, 422L6791, 149575, M88262, W87621

6(F). Year Built 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
REBUILD SUPPORT PER DCN P-0598-A & W.P. K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-19-90 psi Test Temperature N/A with 9-19-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Charles W. ... MEA Date 9-19-90  
Organization

ANII B. Cannon Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-338

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company

Report Tracking No. 92-116  
Type Code Symbol Stamp<sup>b</sup> N/A 5/27/92

P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Authorization No.<sup>b</sup> N/A 9-27-90

Expiration Date<sup>b</sup> N/A 9-27-90

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R48, REPLACE STRUT & ANCHOR BOLTS  
STRUT # 2100-7 R6 & CLAMP # 2600-7 R5

6(B). Name of Manufacturer BERGEN PATERSON  
Address of Manufacturer (if known) BOSTON, MASS

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT # PL 1/2 8X8 (SBB5530)

6(F). Year Built REPLACED STRUT & CLAMP 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
REPLACED STRUT, CLAMP & ANCHORS PER DCN P-05698-A  
WP K-05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Clayton New 1 MEA Date 9-17-90  
Organization

ANII B Earnings Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page IX-354

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

Report Tracking No. 92-117 <sup>901</sup> 3/26/92

- 3. Work Performed by: TVA  
Company

Type Code Symbol Stamp<sup>b</sup> NA/NAW 050391

P.O. BOX 2000

Authorization No.<sup>b</sup> NA/NAW 050391

Address

SPRING CITY TN

Expiration Date<sup>b</sup> NA/NAW 050391

City and State

- 4. Identification of System 074, RHR, ASME CLASS 2

- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)

PIPE SUPPORT 74-1RHR-R88, STRUT # 2252-12 RZ, CLAMP# 6202-12 R0 & PL 1 X 13" X 13"

- 3). Name of Manufacturer BERGEN PATERSON

Address of Manufacturer (if known) BOSTON, MASS.

- 6(C). Manufacturer's Serial Number N/A with 9-17-90

- 6(D). National Board Number (if applicable) N/A with 9-17-90

- 6(E). Other Identification (subassembly number, heat number, etc.)

HEAT # PL 1" X 13" X 13" (M88262)

- 6(F). Year Built REBUILT 1990

- 6(G). Repaired  Replaced  Replacement

- 6(H). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.

REPLACED STRUT, CLAMP & ANCHORS PER DCAI-P-0509-A  
W.P. K-PO5609A-1

- 8. Tests Conducted: Hydrostatic  Pneumatic

Nominal operating pressure  Other

Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-98F

- 9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.

Responsible Engr Charles Williams MEA Date 9-17-90

Organization

ANII B. Earnings Date 6/3/92

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

Work performed by certificate holder

Replaced (like or equivalent).

Replacement (modification).

When required by Construction Code.

74-1RHR-R88



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

WORKPLAN KPO5698A-2

Page IX-382

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO5698 A-2

Date 3/27/92

Report Tracking No. 92-118 <sup>801</sup> <sub>3/26/92</sub>

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TENN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 3/27/92

Authorization No.<sup>b</sup> N/A 3/27/92

Expiration Date<sup>b</sup> N/A 3/27/92

4. Identification of system 074 RHR ASME class 2

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 73 Addenda MA 9/74 Code Case N/A 3079

5.(B) Applicable Edition of Section XI utilized for repairs or replacements

1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as

needed to aid in identification) PIPE 1674-1RHR-RB9, MODIFY SUPPORT  
RIGID STRUT PN 2100-7, 8" PIPE CLAMP PN 2600-7

Name of manufacturer Berber PATTERSON

Address of manufacturer (if known) BOSTON MASS

6.(C) Manufacturer's Serial Number N/A 3-27-92

6.(D) National Board Number (if applicable) N/A 3-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) MATERIAL SDS'S #s

A199 055, A13617A, A105589, A128860

6.(F) Year built 1990 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed REPLACED STRUT, CLAMP  
PLATE AND ANCHORS

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure N/A 3/27/92 psi Temperature \_\_\_\_\_ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr [Signature] Organization MODS Date 3/27/92

ANII B. Eumigh Date 6/3/92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
or (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

74-1RHR-V41  
74-1RHR-R200

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

WORKPLAN KPO5698A-2

Page IX-411

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO 5698 A-2

Date 3-27-92

Report Tracking No. 92-119 <sup>204</sup> 3/26/92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Unit 1

Sheet<sup>a</sup> 1 of 1

3. Work performed by TVA

Type Code Symbol Stamp<sup>b</sup> N/ASB 32792

Company  
P.O. BOX 2000

Authorization No.<sup>b</sup> N/ASB 32792

Address  
SPRING CITY TENN  
City and State

Expiration Date<sup>b</sup> N/ASB 32792

4. Identification of system 074 RHR ASME 2

5.(A) Applicable Construction Code AISC 19 93

Edition JUNE 73 Addenda N/A 3/27/92 Code Case N/A 3-27-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) DELETE SUPPORT 74-1RHR-R209  
BY REMOVING STRUT, CLAMP, BASE PLATE AND ANCHOR BOLTS

Name of manufacturer BERGON PATTERSON

Address of manufacturer (if known) BOSTON MASS

Manufacturer's Serial Number N/A AS 32792

6.(D) National Board Number (if applicable) N/A AS 3-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) STRUT PIN 2340

6.(F) Year built 19 90 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed REMOVED  
SUPPORT 74-1RHR-R209

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure N/ASB 32792 psi Temperature F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr [Signature] M005 Date 3/27/92

\* ANII <sup>Perk/76</sup> N/A Charles R. Anick, OE Date 4-23-92 <sup>Perk</sup> 4/8/96

<sup>a</sup> Sheet Nos. filled in by ISI programs.

<sup>b</sup> For work performed by certificate holder placed (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

\* B. Eamigh 4/8/96

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
3. Work Performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

Report Tracking No. 92-120 3126/92

Type Code Symbol Stamp<sup>b</sup> NA 1/10/050391

Authorization No.<sup>b</sup> NA 1/10/050391

Expiration Date<sup>b</sup> NA 1/10/050391

4. Identification of System 074-RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 74-1RHR-R230. CHANGE STRUT AND CLAMP<sup>c</sup>

STRUT 2252-4R/2 RIGID STRUT ASSY & CLAMP 6175-4 RI-8"Ø CLAMP YOKE TYPE

(B). Name of Manufacturer BERGEN-PATESON  
Address of Manufacturer (if known) BOSTON, MASSACHUSETTS

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT # ZC822 A G01, STRUT PART # 2252-4, CLAMP PART # 6175-4

6(F). Year Built STRUT & CLAMP REPLACED 1990

6(G). Repaired  Replaced  Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
REPLACED STRUT & CLAMP PER DCN P-05698-A W.P.K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Charles H. Stewart NAEA Date 9-17-90  
Organization

ANII B. Ewing Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

PAGE 497 OF 564  
WP K P 05698A-2  
PAGE 419 101  
3-28-92

74-1RHR-V41

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. 14905698A-2  
Date 3-27-92  
Report Tracking No. 92-122  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY TENN  
City and State

Type Code Symbol Stamp<sup>b</sup> NIA SB 3 27 92  
Authorization No.<sup>b</sup> NIA SB 3 27 92  
Expiration Date<sup>b</sup> NIA SB 3 27 92

Identification of system 074 RHR ASME 2  
) Applicable Construction Code ASME 19 73  
Edition JUNE 73 Addenda NIA SB 3 27 92 Code Case NIA SB 3 27 92  
) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda  
) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) TO 47A060-63-72 SUPPLY 40" 20"  
30" SS PIPE 1.5" ID 1" AND 1"  
) Name of manufacturer NIA SB 3 27 92 SDR 5/30/92  
) Address of manufacturer (if known) NIA SB 3 27 92  
) Manufacturer's Serial Number NIA SB 3 27 92  
) National Board Number (if applicable) NIA SB 3 27 92  
) Other identification (Subassembly number, heat number, etc.) 22802, B3220,  
L30265, B7828 HEAT NOS.  
) Year built 19 90 Code Class [ ] 1 [x] 2  
) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>  
) ASME Code Stamped [ ] Yes [x] No 700 5-21-92  
Brief description of repair or replacement work performed CONSTRUCT NEW  
SUPPORT FROM ITEMS 1-5  
Tests Conducted: [ ] Hydrostatic 3-29-92 [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NIA SB 3 27 92 psi Temperature \_\_\_\_\_ F  
Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr Stan Kelle / MODS Date 2-27-92

ANII B Eumeh Date 6/3/92 Organization

<sup>t</sup> Nos. filled in by ISI programs.  
<sup>r</sup> Work performed by certificate holder  
<sup>s</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

~~ASME SECTION III, 1971 EDITIONS WITH ADDENDA JANUARY SUMMER 1977~~  
SDR 5/30/92  
AD 3 27 92

WORKPLAN 14905698A-2  
Page 17 of 18

47A060-63-73  
47A060-63-73  
47A060-63-75  
47A060-63-75

32892

APPENDIX D  
Page 1 of 1

WORKPLAN KP05692A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page 1

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company
- P.O. BOX 2000  
Address
- SPRING CITY, TN  
City and State

Report Tracking No. 92-124  
 Type Code Symbol Stamp<sup>b</sup> NA SHW 050391  
 Authorization No.<sup>b</sup> NA SHW 050391  
 Expiration Date<sup>b</sup> NA SHW 050391

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 47A060-63-75. ADD NEW SUPPORT. TS 6 X 6 X 1/4, NPS HEAVY FRICTION ANCHOR GFAH-2" Ø M-650, 4" Ø SCH 40 PIPE

6(B). Name of Manufacturer NPS INDUSTRIES  
Address of Manufacturer (if known) SECAUCUS, NEW JERSEY

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)

6(F). Year Built NEW SUPPORT 1990

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
SUPPORT ADDED PER DCN P-05698-A & W.P. K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90 F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
with 9-17-90 Responsible Engr Charles W. Wilton MEA Date 9-17-90  
Organization

ANII B. Eamigh Date 6/3/92

<sup>a</sup> Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent).  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code.

47A432-2-6  
47A432-2-7  
47A060-74-23

APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

Page IX 69

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9-17-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

3. Work Performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Report Tracking No. 92-125 <sup>3/28/92</sup>  
Type Code Symbol Stamp<sup>b</sup> NA dHP 050391

Authorization No.<sup>b</sup> NA dHP 050391

Expiration Date<sup>b</sup> NA dHP 050391

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A with 9-17-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1931

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 47A060-74-23, ADD NEW SUPPORT T3 4X4X1/2,  
PL 3/4 X 8 X 0-11", 1/2" φ MAXI BOLTS, PL 1" X 12 X 1-0", NPS HEAVY FRICTION ANCHOR GRAH-2" M650

6(B). Name of Manufacturer ALPS INDUSTRIES & TVA  
Address of Manufacturer (if known) SECAUCUS, NEW JERSEY

6(C). Manufacturer's Serial Number N/A with 9-17-90

6(D). National Board Number (if applicable) N/A with 9-17-90

6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT # T82948, 222504110, A154017, NEAH-2"

6(F). Year Built NEW SUPPORT 1990

6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
ADDED NEW SUPPORT PER DCN P05698-A, W.P.K.-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A with 9-17-90 psi Test Temperature N/A with 9-17-90

9. Remarks: NONE

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.

Responsible Engr Charles W. [Signature] MEA Date 9-17-90  
Organization

ANII B. Eamogh Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

<sup>b</sup>For work performed by certificate holder

<sup>c</sup>Replaced (like or equivalent).

<sup>d</sup>Replacement (modification).

<sup>e</sup>When required by Construction Code.

APPENDIX D  
Page 1 of 1

WORKPLAN KPO5648A2  
Page IX 90

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 7-16-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

Report Tracking No. 92-126 <sup>201</sup> 3/28/92

3. Work Performed by: TVA  
Company

Type Code Symbol Stamp<sup>b</sup> NA 2440 050391

P.O. BOX 2000  
Address  
SPRING CITY, TN  
City and State

Authorization No.<sup>b</sup> NA 2440 050391

Expiration Date<sup>b</sup> NA 2440 050391

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A <sup>cw III</sup> 7-16-90

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)

PIPE SUPPORT 47A432-2-6, ADD NEW SUPPORT  
\* 4" SCH 40 PIPE, 2" SCH 40 PIPE, PL 1/2 X 3 X 0-3", 3/4" PIPE STRAP

6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN

6(C). Manufacturer's Serial Number N/A <sup>cw III</sup> 7-16-90

6(D). National Board Number (if applicable) N/A <sup>cw III</sup> 7-16-90

6(E). Other Identification (subassembly number, heat number, etc.) \_\_\_\_\_

6(F). Year Built SUPPORT ADDED 1990

6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>

6(H). ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
SUPPORT ADDED PER DCN P-05698-A & W.P. K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other

9. Remarks: <sup>SDR 6-1-92</sup> \* 4" PIPE TO 8" PIPE Weld (see Below)  
Pressure N/A <sup>cw III</sup> 7-16-90 Test Temperature N/A <sup>cw III</sup> 7-16-90

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
<sup>cw III</sup> Responsible Engr Charles W. ... MEA NC Date 7-16-90  
7-16-90 Organization

ANII B. Earnest Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

\* ASME SECTION III, 1971 EDITION, WITH ADDENDA THROUGH SUMMER 71.

SDR 6-1-92

17A432-2-7

APPENDIX D  
Page 1 of 1

WORKPLAN KPO5698A-2  
Page IX 99

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Date 9-17-90

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Sheet<sup>a</sup> 1 of 1  
Unit 1

Report Tracking No. 92-127 5/28/92

- 3. Work Performed by: TVA  
Company
- P.O. BOX 2000  
Address
- SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A

Authorization No.<sup>b</sup> N/A

Expiration Date<sup>b</sup> N/A

- 4. Identification of System 074, BHR, ASME CLASS 2

- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A 9-17-90

- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - W19B1

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT #47A432-2-7, ADD NEW SUPPORT. 4" SCH 40\*  
PIPE, 2" SCH 40 PIPE, PL 1/2 X 3 X 3", 3/4" PIPE STRAP

- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) P.O. BOX 2000, SPRING CITY, TN

- 6(C). Manufacturer's Serial Number N/A 9-17-90

- 6(D). National Board Number (if applicable) N/A 9-17-90

- 6(E). Other Identification (subassembly number, heat number, etc.)  
HEAT# B3320, B41A4-1D, 411P3471

- 6(F). Year Built ADD NEW SUPPORT 1990

- 6(G). Repaired  Replaced  Replacement   
No

- 6(H). ASME Code Stamped Yes  No

- 7. Brief description of repair or replacement work performed.  
ADDED SUPPORT PER DCN P-05698-A & W.P. K-P05698A-2

- 8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A 9-17-90 psi Test Temperature N/A 9-17-90

- 9. Remarks: SDR 6-1-92  
N/A \* 4" PIPE Weld To 8" PIPE (see below)

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Charles Brown MEA Date 9-17-90  
9-17-90 Organization

ANII B. Earmagh Date 6/3/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KPO5698A-2  
Date 3-28-92  
Report Tracking No. 92-128 3/29/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY TENN  
City and State

Type Code Symbol Stamp<sup>b</sup> NIA SB 32892  
Authorization No. NIA SB 32892  
Expiration Date<sup>b</sup> NIA SB 32892

4. Identification of system 074 RHR ASME 2

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda NIA SB 32892 Code Case NIA SB 32892

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT H7A435-1-S1 PIPE SUPPORT TS 3X3.5 R 1 1/16" R 1/2" 5/8 ANCHORS

6 Name of manufacturer NIA SB 32892  
Address of manufacturer (if known) NIA SB 32892

6.(C) Manufacturer's Serial Number NIA SB 32892

6.(D) National Board Number (if applicable) NIA SB 32892

6.(E) Other identification (Subassembly number, heat number, etc.) S/S'S A215751, 226781 A147018, A232145, A105597, A225967, A080006

6.(F) Year built 19 90 Code Class [ ] 1 [x] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [x] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [x] No

7. Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS 1-B AND EXISTING SUPPORT H7A435-1-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NIA SB 32892 psi Temperature \_\_\_\_\_ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [x] None Required

Responsible Engr [Signature] MOOS Date 3-28-92

Organization  
ANII B. Eamigh Date 6/3/92

PAGE 503 OF 504

<sup>a</sup> Sheet Nos. filled in by ISI programs.

<sup>b</sup> Work performed by certificate holder

<sup>c</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

63-15

74-1RHR-R3

OWA-DK

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by JVA  
Company P.O. Box 2000  
Address SPRING CITY TENN  
City and State

WID No. KPO5698A-2  
Date 3.28.92  
Report Tracking No. 92-129 <sup>201</sup> 3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NIA SB 3.28.92

Authorization No. NIA SB 3.28.92

Expiration Date<sup>b</sup> NIA SB 3.28.92

4. Identification of system 074 RHM ASME 2

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda NIA SB 3.28.92 Code Case NIA SB 3.28.92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

5.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 47A435 1-52 SUPPORT 2" PIPE STRAP  
TS. 6x3 1/2" R. 3/4" R

Name of manufacturer NIA SB 3.28.92

Address of manufacturer (if known) NIA SB 3.28.92

6.(C) Manufacturer's Serial Number NIA SB 3.28.92

6.(D) National Board Number (if applicable) NIA SB 3.28.92

6.(E) Other identification (Subassembly number, heat number, etc.) CONSIDER NEW SB 3.28.92  
535 A 130521, A128907, A128884, 4 A 154012

6.(F) Year built 19 90 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed CONS TRUST NEW SUPPORT  
FROM STRAPS 1-5

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NIA SB 3.28.92 psi Temperature          F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr [Signature] 1 MOOS Date 3.28.92

ANII [Signature] Organization          Date 6/3/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

74-1RHR-R3

SGA-PIC

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05707A-1

Date 3-27-92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Report Tracking No. 92-130

Unit 1

Sheet<sup>a</sup> 1 of 1

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> NA 3-28-92

Authorization No. <sup>b</sup> NA 3-28-92

Expiration Date<sup>b</sup> NA 3-28-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA 3-28-92 Code Case NA 3-28-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT = 1062-A406-3-29  
ORIG. INSTALLED IN AUX. Bldg. EL. 733' AT 301" 2'2 1/2" 9W  
Name of manufacturer NA 3-28-92

Address of manufacturer (if known) NA 3-28-92

6.(C) Manufacturer's Serial Number NA 3-28-92

6.(D) National Board Number (if applicable) NA 3-28-92

6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A)

6.(F) Year built 19 NA 3-28-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed FABRICATED AND  
INSTALLED PER DCR P05707-27-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA 3-28-92 psi Temperature NA 3-28-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 MOD Date 3-27-92 NA 3-28-92

ANII B. Earmugh Organization 5-28-92  
Date 5/31/92

Nos. filled in by ISI programs.  
<sup>a</sup> Work performed by certificate holder  
<sup>b</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

1063-63-1515-K185  
1062-A406-3-1  
1074-74-1818

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

WID No. KPO5707A-1  
Date 3-27-92  
Report Tracking No. 92-132 <sup>84</sup> 3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NA 3-28-92

Authorization No.<sup>b</sup> NA 3-28-92

Expiration Date<sup>b</sup> NA 3-28-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA 3-28-92 Code Case NA 3-28-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) 3" PIPE SUPPORT #1062-A406-1-33  
ORIG. INST. IN THE AUX. BLDG. EL. 722'.3" 25'658" WIA7 2'5" SW

6.(B) Name of manufacturer NA 3-28-92

6.(C) Address of manufacturer (if known) NA 3-28-92

6.(D) Manufacturer's Serial Number NA 3-28-92

6.(E) National Board Number (if applicable) NA 3-28-92

6.(F) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A2

6.(G) Year built 1955 Code Class [ ] 1 [ ] 2

6.(H) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(I) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed FABRICATED AND  
INSTALLED PER DCA-P05707-20-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA 3-28-92 psi Temperature NA 3-28-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 MOD Date 3-27-92

Organization B Earnigh Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power

Shelby Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

WID No. KPO5707A-1  
Date 3-27-92  
Report Tracking No. 92-133 <sup>3/28/92</sup>  
Unit 1  
Sheet 1 of 1

Type Code Symbol Stamp N/A 3-28-92

Authorization No. N/A 3-28-92

Expiration Date N/A 3-28-92

Identification of system RESIDUAL HEAT REMOVAL  
Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A 3-28-92 Code Case N/A 3-28-92  
Applicable Edition of Section XI utilized for repairs or replacements  
Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT # 47A432-1-34  
ORIGINALLY INST. IN AUX. CIRCUIT 722'3" 2'8" W/AS 12' 1/4" SV  
Name of manufacturer N/A 3-28-92  
Address of manufacturer (if known) N/A 3-28-92  
Manufacturer's Serial Number N/A 3-28-92  
National Board Number (if applicable) N/A 3-28-92  
Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A7

Year built 19 N/A 3-28-92 Code Class  1  2  
 Repaired  Replaced  Replacement  
ASME Code Stamped  Yes  No  
Brief description of repair or replacement work performed FABRICATED AND  
INSTALLED PER DCA-PC5707-21-0  
Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A 3-28-92 psi Temperature N/A 3-28-92 F  
Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Lewis 1 Mod Date 3-27-92  
Organization 3-28-92  
AMII B. Earnings Date 5/31/92

PAGE 507 OF 564

WP KPO 5707A-1  
PAGE 92

4-74-11CHK  
1079-74-11CHK

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-134 2/3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee
- 3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State  
Type Code Symbol Stamp<sup>b</sup> N/A LR 3-27-92  
Authorization No. <sup>b</sup> N/A LR 3-27-92  
Expiration Date<sup>b</sup> N/A LR 3-27-92
- 4. Identification of system RESIDUAL HEAT REMOVAL
- 5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A LR 3-27-92 Code Case N/A LR 3-27-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT # 1074-A433-1R-13  
ORIG. INST. IN AUX. Bldg. 722' 3" 13" O.V.E. WAS 9' 6" 3-27-92
- 6.(B) Name of manufacturer N/A LR 3-27-92  
Address of manufacturer (if known) N/A LR 3-27-92
- 6.(C) Manufacturer's Serial Number N/A LR 3-27-92
- 6.(D) National Board Number (if applicable) N/A LR 3-27-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6.(A)
- 6.(F) Year built 1943 Code Class  1  2
- 6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No
- 7. Brief description of repair or replacement work performed Removed AND VOID  
SUPPORT PER. DCA. P05707-19-0
- 8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A LR 3-27-92 psi Temperature N/A LR 3-27-92 F
- 9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Lewis 1 mod Date 3-27-92

ANII B. Eumigh Organization                       
Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> or work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-135 20/3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 22 3-27-92  
Authorization No.<sup>b</sup> N/A 22 3-27-92  
Expiration Date<sup>b</sup> N/A 22 3-27-92

Identification of system RESIDUAL HEAT REMOVAL

(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda N/A 22 3-27-92 Code Case N/A 22 3-27-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT # 63-1515-R194 ORIGINALLY INST. IN Aux Bldg. EL. 691'00" 1' NW 5" 11 E/AS

(B) Name of manufacturer N/A 22 3-27-92

Address of manufacturer (if known) N/A 22 3-27-92

(C) Manufacturer's Serial Number N/A 22 3-27-92

(D) National Board Number (if applicable) N/A 22 3-27-92

(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A7

(F) Year built 19 73 Code Class [ ] 1 [ ] 2

(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed Removed Existing SUPPORT AND RE-INSTALL NEW SUPPORT PER DCP PC5707-01-C-02-0

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A 22 3-27-92 psi Temperature N/A 22 3-27-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 mod Date 3-27-92

ANII B. Ewing Date 5/31/92 Organization 3-28-92

<sup>a</sup> filled in by ISI programs.  
<sup>b</sup> performed by certificate holder placed (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

1062-4 Unit

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP05707A-1  
 Date 3-27-92  
 Report Tracking No. 92-136 *2/28/92*  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

- 3. Work performed by T.V.A.  
 Company  
P.O. BOX. 2000  
 Address  
SPRING CITY, TN.  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A 28 3-27-92  
 Authorization No.<sup>b</sup> N/A 28 3-27-92  
 Expiration Date<sup>b</sup> N/A 28 3-27-92

- 4. Identification of system RESIDUAL HEAT REMOVAL
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda N/A 28 3-27-92 Code Case N/A 28 3-27-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 113-4172  
2" PIPE SUPPORT # 1063-63-1515-R185  
ORIGINALLY INST. IN AUX. BLDG. ELC 697" 11" 5' 5/16" 1.5K
- 6.(B) Name of manufacturer N/A 28 3-27-92  
 Address of manufacturer (if known) N/A 28 3-27-92
- 6.(C) Manufacturer's Serial Number N/A 28 3-27-92
- 6.(D) National Board Number (if applicable) N/A 28 3-27-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6.(A)
- 6.(F) Year built 1974 Code Class  1  2
- 6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No
- 7. Brief description of repair or replacement work performed CLAMP & SUPPORT REMOVED  
REPLACE WITH STRUT PER DCA P05707-03-01-04-0
- 8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
 Test Pressure N/A 28 3-27-92 psi Temperature N/A 28 3-27-92 F
- 9. Remarks NGNE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Luedi MOD Date 3-27-92  
 ANII B. Eammah Organization 3-28-92 Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP05707A-1  
 Date 3-27-92  
 Report Tracking No. 92-137  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

- 3. Work performed by T.V.A.  
 Company  
P.O. BOX. 2000  
 Address  
SPRING CITY, TN.  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A  
 Authorization No. N/A  
 Expiration Date<sup>b</sup> N/A

- 4. Identification of system RESIDUAL HEAT REMOVAL
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda N/A Code Case N/A
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT #74-1RHR-R184 ORIGINALLY INST AUX. BLDG. EL 734'0 1/2" 6'8" N/A 7 3/2 WAS
- 6.(B) Name of manufacturer N/A  
 Address of manufacturer (if known) N/A
- 6.(C) Manufacturer's Serial Number N/A
- 6.(D) National Board Number (if applicable) N/A
- 6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

- 6.(F) Year built 19N/A Code Class  1  2
- 6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No

- 7. Brief description of repair or replacement work performed REMOVED CLAMP AND STANCHIONS RESIDUAL MECH. SLEEVES AND WORK IN CONJUNCTION WITH
- 8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
 Test Pressure N/A Temperature N/A

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Lewis 1 mod Date 3-27-92  
 Organization 22328-92  
 ANII B. Eamigh Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-138 *2/28/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> N/A LL 3-27-92  
Authorization No. <sup>b</sup> N/A LL 3-27-92  
Expiration Date<sup>b</sup> N/A LL 3-27-92

- 4. Identification of system RESIDUAL HEAT REMOVAL
- 5.(A) Applicable Construction Code AISC 19 73
- 5.(B) Edition JUNE 1973 Addenda N/A LL 3-27-92 Code Case N/A LL 3-27-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT #1062-A406-3-15  
ORIG. INST. IN AUX. Bldg. EL. 728'6" A2 301
- 6.(B) Name of manufacturer BERGEN PATERSON
- 6.(C) Address of manufacturer (if known) N/A LL 3-27-92
- 6.(C) Manufacturer's Serial Number N/A LL 3-27-92
- 6.(D) National Board Number (if applicable) N/A LL 3-27-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) See Block 6-(A)
- 6.(F) Year built 19 73 Code Class [ ] 1 [ ] 2
- 6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes  No
- 7. Brief description of repair or replacement work performed Removed Welded  
SUPPORT PER DCA. P05707-26-0
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A LL 3-27-92 psi Temperature N/A LL 3-27-92 F
- 9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 Mod Date 3-27-92  
Organization  
Date 5/31/92

Sheet Nos. filled in by ISI programs.  
for work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 512 OF 564

WP KP05707A-1  
PAGE IX-67

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-139  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> NA LR 3-27-92  
Authorization No.<sup>b</sup> NA LR 3-27-92  
Expiration Date<sup>b</sup> NA LR 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA LR 3-27-92 Code Case NA LR 3-27-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 1074-74-1RHR-R191  
ORIGINALLY INST. IN AUX. Bldg. FL. 728'6" 2' W/P/S 9 1/4 S/W

6.(B) Name of manufacturer NA LR 3-27-92  
Address of manufacturer (if known) NA LR 3-27-92

6.(C) Manufacturer's Serial Number NA LR 3-27-92

6.(D) National Board Number (if applicable) NA LR 3-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A)

6.(F) Year built 19NA LR 3-27-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed FABRICATED AND INSTALLED  
NEW PORTION OF SUPPORT PER DCA-PO5707-15-1 & 16-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA LR 3-27-92 psi Temperature NA LR 3-27-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 mod Date 3-27-92

ANII B. Eamigh Organization 3-28-92  
Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> or work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-140 2/28/92  
Unit 1  
Sheet 1 of 1

Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp N/A 7/3-27-92  
Authorization No. b N/A 7/3-27-92  
Expiration Date b N/A 7/3-27-92

Identification of system RESIDUAL HEAT REMOVAL

Applicable Construction Code AISC 19 73

Edition JUNE 1973 Addenda N/A 7/3-27-92 Code Case N/A 7/3-28-92

Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 1074-74-1RHR-V186

Address of manufacturer N/A 7/3-27-92

Address of manufacturer (if known) N/A 7/3-27-92

Manufacturer's Serial Number N/A 7/3-27-92

National Board Number (if applicable) N/A 7/3-27-92

Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A2

Year built 1972 Code Class [ ] 1 [ ] 2

[ ] Repaired [ ] Replaced  Replacement

ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed Removed Voided

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic

[ ] Nominal operating pressure [ ] Other

Test Pressure N/A 7/3-27-92 psi Temperature N/A 7/3-27-92 F

Remarks None

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 Mod Date 3-27-92

ANII B. Eamigh Organization Date 5/31/92

Approved in by ISI programs.  
Performed by certificate holder  
(like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 514 OF 564

WP KP05707A-1

PAGE IX-97

1062-Ann  
1074-74-1RHR-V186  
1063-63-1S15-R184

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-141 <sup>WP</sup> <sub>3/28/92</sub>  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A RR 3-27-92  
Authorization No.<sup>b</sup> N/A RR 3-27-92  
Expiration Date<sup>b</sup> N/A RR 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A RR 3-27-92 Code Case N/A RR 3-27-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT #1074-74-1RHR-R187  
DR19, IN AUX BLDG, FL. 129-014" 6'6" M/W 1"6" W/A5  
Name of manufacturer N/A RR 3-27-92

Address of manufacturer (if known) N/A RR 3-27-92

6.(C) Manufacturer's Serial Number N/A N/A RR 3-27-92

6.(D) National Board Number (if applicable) N/A RR 3-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A7

6.(F) Year built 1974 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed Removed AND voided  
SUPPORT PER DCA-POS707-14-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A RR 3-27-92 psi Temperature N/A RR 3-27-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis , M06 Date 3-27-92

Organization  
ANII B Earmongh Date 5/31/92

5/15/92  
515  
PAGE 515 OF 564

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WP KP05707A-1

PAGE IX-99

1062-A-1111  
1063-63-1515-R197  
1063-63-1515-RIA4

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY  
Nuclear Power

Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

WID No. KPO5707A-1  
Date 3-27-92  
Report Tracking No. 92-142 <sup>901</sup> <sub>3/28/92</sub>  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> N/A LR 3-27-92  
Authorization No.<sup>b</sup> N/A LR 3-27-92  
Expiration Date<sup>b</sup> N/A LR 3-27-92

Identification of system RESIDUAL HEAT REMOVAL  
Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A LR 3-27-92 Code Case N/A LR 3-27-92  
Applicable Edition of Section XI utilized for repairs or replacements  
~~1980 Winter 1981~~ Addenda  
Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 1074-74-1RHR-V208  
ORIG. IN AUX. BLDG. ELEV. 733' 056" 1' 10 3/16 3/4 1' 11 5/8 3/4  
Name of manufacturer N/A LR 3-27-92  
Address of manufacturer (if known) N/A LR 3-27-92  
Manufacturer's Serial Number N/A LR 3-27-92  
National Board Number (if applicable) N/A LR 3-27-92  
Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A2

Year built 1973 Code Class  1  2

Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed Removed SPRING CANS  
RODS AN CLAMP AND DELETE HANGERS PER OIA P05707-17-0

Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A LR 3-27-92 psi Temperature N/A LR 3-27-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Lewis 1 mod Date 3-27-92

Organization  
Date 5/31/92

AMT B. Eamigh

Test Nos. filled in by ISI programs.  
Work performed by certificate holder  
placed (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 516 OF 564

WP KPO5707A-1

PAGE IX-95

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-143  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> N/A 11 3 28 92  
Authorization No. <sup>b</sup> N/A 11 3 28 92  
Expiration Date<sup>b</sup> N/A 11 3 28 92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A 11 3 28 92 Code Case N/A 11 3 28 92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 47A406-3-3  
ORIGINALLY INST. IN AUX. BLDG EL. 728'9 3/4" 2'2 1/2" SW A2 301"

6.(B) Name of manufacturer N/A 11 3 28 92  
Address of manufacturer (if known) N/A 11 3 28 92

6.(C) Manufacturer's Serial Number N/A 11 3 28 92

6.(D) National Board Number (if applicable) N/A 11 3 28 92

6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-1A2

6.(F) Year built 1973 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed Removed SNUGGER  
AND INSTALLED NEW SUPPORT FOR DCA P05707-23-1, 24-1, & 25-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A 11 3 28 92 psi Temperature N/A 11 3 28 92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewis 1 3 28 92 Mod Date 3-27-92

Organization B. Earnings Date 5/31/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-144 <sup>NO</sup> 3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> MA LL 3-27-92  
Authorization No.<sup>b</sup> MA LL 3-27-92  
Expiration Date<sup>b</sup> MA LL 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL

5. (A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda MA LL 3-27-92 Code Case MA LL 3-27-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT # 1063-63-ISIS-R193  
ORIGINALLY INST. IN AUX. BLDG. EL. 6'90" 9/16" / 5'6" W/AS 12'9" SW

Name of manufacturer BERGEN PATERSON  
Address of manufacturer (if known) MA LL 3-27-92

6. (C) Manufacturer's Serial Number MA LL 3-27-92

6. (D) National Board Number (if applicable) MA LL 3-27-92

6. (E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6. (A)

6. (F) Year built 19 MA LL 3-27-92 Code Class  1  2

6. (G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6. (H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed Removed Undid  
SUPPORT AND Delete HANGER PER PCA - PUS 207-05-0 & 06-0

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure MA LL 3-27-92 psi Temperature MA LL 3-27-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr Leonard Lewis Mod Date 3-27-92

AMII B. Eumigh Organization MA LL 3-27-92  
Date 5/31/92

<sup>a</sup> Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

6-1-33  
1062-A406-3-30  
IN THE "11"



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. KP05707A-1  
Date 3-27-92  
Report Tracking No. 92-145 <sup>NA</sup> 3/28/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Work performed by T.V.A.  
Company  
P.O. BOX. 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> NA LR 3-27-92  
Authorization No.<sup>b</sup> NA LR 3-27-92  
Expiration Date<sup>b</sup> NA LR 3-27-92

Identification of system RESIDUAL HEAT REMOVAL

(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda NA LR 3-27-92 Code Case NA LR 3-27-92

(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" PIPE SUPPORT #63 1S15-R197 ORIGINALCY INST IN AUX. Bldg. EL. 710' 3 1/2" 12" 5/4 5" L" W 1/4"

Name of manufacturer BERGEN PATERSON

(C) Address of manufacturer (if known) NA LR 3-27-92

(D) Manufacturer's Serial Number NA LR 3-27-92

(E) National Board Number (if applicable) NA LR 3-27-92

(F) Other identification (Subassembly number, heat number, etc.) See Block 6-(A)

(F) Year built 19NA LR 3-27-92 Code Class [ ] 1 [ ] 2

(G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>

(H) ASME Code Stamped [ ] Yes  No

Brief description of repair or replacement work performed Removed Voided SUPPORT AND DELETE HANGON - PER DCA P05707-07 & 08

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA LR 3-27-92 psi Temperature NA LR 3-27-92 F

Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Leonard Lewin 1 mod Date 3-27-92

ANII B. Eamigh Date 5/31/92 Organization

<sup>a</sup> Test Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 519 OF 564

WP KP05707A-1  
PAGE IX-101 -

1062-A Unit  
1063-63-1S15-R184

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company P.O. BOX 2000  
Address SPRING CITY TENN  
City and State

WID No. KPD 5698A-2  
Date 3-28-92  
Report Tracking No. 92-146 2/30/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> NIA SB 32892  
Authorization No. NIA SB 32892  
Expiration Date<sup>b</sup> NIA SB 32892

4. Identification of system 074 RTR ASME 2

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda NIA SB 3.28.92 Code Case NIA SB 3.28.92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

5.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT BB-1515-R27-TS 4X4 1CX6  
R 34" R 1/2" UNDERLUG ANCHORS 5/8"

B) Name of manufacturer NIA SB 32892  
Address of manufacturer (if known) NIA SB 32892

6.(C) Manufacturer's Serial Number NIA SB 3.28.92

6.(D) National Board Number (if applicable) NIA SB 3.28.92

6.(E) Other identification (Subassembly number, heat number, etc.) SDS#5 A128903 A130545  
A130521 A134764 A026680 A128884 A128787 A104426

6.(F) Year built 19 70 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [ ] No

7. Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT  
CONSTRUCT NEW SUPPORT FROM STEEL I-7\*

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other

9. Remarks SDR 6/1/92  
NOTE \* LUGS TO PIPE Welding performed. (see below)

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr [Signature] MOOS Date 3-28-92

ANII [Signature] Organization [Signature] Date 6/3/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
placed (like or equivalent)

<sup>c</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WUWUWUWU/KP0508A-2  
Page 191

\* ASME SECTION III 1971 EDITION WITH ADDENDA  
THROUGH SUMMER 71

3-28-92

7A-1DUD-D2

APPENDIX D  
Page 1 of 1

WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page IV 40

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 7-16-90

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company
- P.O. BOX 2000  
Address
- SPRING CITY, TN  
City and State

Report Tracking No. 92-147 <sup>5/20/92</sup>  
Type Code Symbol Stamp<sup>b</sup> NA RHP 050391

Authorization No.<sup>b</sup> NA RHP 050391

Expiration Date<sup>b</sup> NA RHP 050391

- 4. Identification of System 074, RHR, CLASS 2 ASME

(5A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A w/III 7-16-90

(5B) Applicable Edition of Section XI utilized for Repairs or Replacements 1980 - W19B1

(6A) Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
PIPE SUPPORT 47A060-63-74, ADD NEW SUPPORT

(7) Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.

(8) Manufacturer's Serial Number N/A w/III 7-16-90

(9) National Board Number (if applicable) N/A w/III 7-16-90

(10) Other Identification (subassembly number, heat number, etc.)  
HEAT# B3320, 254904

(11) Year Built SUPPORT ADDED IN 1990

(12) Repaired  Replaced  Replacement

(13) ASME Code Stamped Yes  No

7. Brief description of repair or replacement work performed.  
SUPPORT ADDED PER DCN P-05698-A & W.P.K-P05698A-2

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other

Remarks: SR6/1/92 NONE 4" PIPE TO 12" PIPE WELD (ATTACHMENT SUPPORT) 7-16-90  
SEE BELOW

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
7-16-90

Responsible Engr. Charles W. Williams Date 7-16-90  
Organization NER-AIC

ANII B. Eamigh Date 6/3/92

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
Work performed by certificate holder  
(like or equivalent).  
(modification).  
Required by Construction Code.

SECTION III, 1971 EDITION WITH ADDENDA Through Summer 1971

PAGE 521 OF 569

SDR 6/1/92

47A060-63-74  
47A060-74-23  
47A432-2-7  
47A432-2-7  
47A060-63-75  
47A432-2-7

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP05698A2  
Date 3.27.92  
Report Tracking No. 92-148 2/20/92  
Unit \_\_\_\_\_  
Sheet<sup>a</sup> 1 of 1

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by JVA  
Company P.O. BOX 2000  
Address SPRING CITY TENN  
City and State \_\_\_\_\_

Type Code Symbol Stamp NIA SB 3.27.92  
Authorization No. NIA SB 3.27.92  
Expiration Date<sup>b</sup> NIA SB 3.27.92

Identification of system 674 RTRR ASME CLASS II

A) Applicable Construction Code ASME 1973  
Edition JUNE 73 Addenda NIA SB 3.27.92 Code Case NIA SB 3.27.92

B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 47A660-63.73 1/2" SS IR AND LS TUBR STEEL.

B) Name of manufacturer NIA SB 3.27.92

C) Address of manufacturer (if known) NIA SB 3.27.92

D) Manufacturer's Serial Number NIA SB 3.27.92

E) National Board Number (if applicable) NIA SB 3.27.92

F) Other identification (Subassembly number, heat number, etc.) HTND 215868 YS AND 1/2" R 22302

G) Year built 1970 Code Class [ ] 1 [ ] 2

H) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

I) ASME Code Stamped [ ] Yes [X] No

J) Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS 1-3

K) Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other

L) Test Pressure NIA SB 3.27.92 psi Temperature \_\_\_\_\_ F

M) Remarks SDR 61102 \* PLATE TO PIPE WELDING WAS PERFORMED. (SEE BELOW)

N) Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

O) Responsible Engr Alan Kelle, INDDS Date 3.27.92

P) ANII B. Eamigh Organization \_\_\_\_\_ Date 6/3/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> or work performed by certificate holder  
<sup>c</sup> replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

ASME SECTION III, 1991 EDITION WITH ADDENDA THROUGH SUMMER 1991 SB 3.07-92

WORKPLAN KP05698A2  
Page IX-19

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

APPENDIX E  
Page 1 of 1

WORKPLAN KP04683A-1

Summary Report  
Form NIS-2 Attachment

Page IX-187A

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 3-28-92  
Report Tracking Number 92-149 <sup>89</sup> <sub>5/30/92</sub>

2. (Address) P.O. Box 2000  
SPRING CITY TN.  
N/A TMI 3-28-92

Sheet 1 of 1 <sup>N/A TMI 3-28-92</sup>  
Unit #1  
WID No. KP04683A-1

3. Work performed by: TVA Company Type Code Symbol Stamp<sup>2</sup> N/A <sup>TMI 3-28-92</sup>  
P.O. BOX 2000 Address Authorization No.<sup>2</sup> N/A <sup>TMI 3-28-92</sup>  
SPRING CITY TN. City and State Expiration Date<sup>2</sup> N/A <sup>TMI 3-28-92</sup>

4: Identification of system O3A, FEED-WATER ASME CLASS 2

5. (A) Applicable Construction Code ATSC 1973 Edition  
JUNE 1973 Addenda N/A <sup>TMI 3-28-92</sup> Code Case N/A <sup>TMI 3-28-92</sup>

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda TMI 3-28-92

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT  
1003A-1-03A-471 (DELETED)

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN.

6. (C) Manufacturer's Serial Number N/A <sup>TMI 3-28-92</sup>

6. (D) National Board Number (if applicable) N/A <sup>TMI 3-28-92</sup>

6. (E) Other identification (Subassembly number, heat number, etc.) N/A <sup>TMI 3-28-92</sup>

6. (F) Year built N/A <sup>TMI 3-28-92</sup> Code Class 1 [ ] 2 [✓]

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [✓]

6. (H) ASME Code Stamped YES [ ] NO [✓]

7. Brief description of repair or replacement work performed: PIPE SUPPORT 1003A-1-03A-471 DELETED PER DCA'S PD4534-78, -79, -80 AND UNDER WP KP04683A-1

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A <sup>TMI 3-28-92</sup> psi Test Temperature N/A <sup>TMI 3-28-92</sup> F

9. Remarks: NONE <sup>TMI 3-28-92</sup>

<sup>TMI 3-28-92</sup> (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by [Signature] 1 MECH MOOS Date 3-28-92

\*ANII Organization [Signature] Date 4/8/96  
N/A <sup>TMI 3-28-92</sup> 5/31/92

- 1 Sheet nos. filled in by ISI programs
- 2 For work performed by certificate holder
- 3 Replaced (like or equivalent)
- 4 Replacement (Modification)
- 5 When required by Construction Code

\*B. Emry 4/8/96

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

APPENDIX B  
Page 1 of 1

WORKPLAN KPO4683A-1

Summary Report  
Form HIS-2 Attachment

Page IX-182

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 3-28-92

Report Tracking Number 92-150 <sup>701</sup> 3/20/92

2. (Address) P.O. Box 2000  
SPRING CITY TN  
N/A 701 3-28-92

Sheet 1      of      N/A <sup>701</sup> 3-28-92  
Unit # 1  
WID No. KPO4683A-1

3. Work performed by: TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY TN.  
City and State

Type Code Symbol Stamp<sup>2</sup> N/A <sup>701</sup> 3-28-92  
Authorization No.<sup>2</sup> N/A <sup>701</sup> 3-28-92  
Expiration Date<sup>2</sup> N/A <sup>701</sup> 3-28-92

4. Identification of system FEED WATER (03) ASME CLASS 2

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda N/A <sup>701</sup> 3-28-92 Code Case N/A <sup>701</sup> 3-28-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda 701 3-28-92

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) PIPE SUPPORT 1003A-1-  
03A-457, RB-1, ELEV 758.5', AZ 198°-53', R= 39'-0" 0/16"

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN.

6. (C) Manufacturer's Serial Number N/A <sup>701</sup> 3-28-92

6. (D) National Board Number (if applicable) N/A <sup>701</sup> 3-28-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A <sup>701</sup> 3-28-92

6. (F) Year built MODIFIED 1990 Code Class 1  2

6. (G) Repaired  Replaced<sup>3</sup>  Replacement<sup>4</sup>

6. (H) ASME Code Stamped YES  NO

7. Brief description of repair or replacement work performed: MODIFIED SUPPORT  
1003A-1-03A-457 PER WP K.04683A-1. & DCA'S P04689-06, -07, -08  
(REMOVED SPACER) <sup>701</sup> 3-28-92

8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A <sup>701</sup> 3-28-92 psi Test Temperature N/A <sup>701</sup> 3-28-92 F

9. Remarks: NONE <sup>701</sup> 3-28-92

PAGE 524 OF 569

<sup>701</sup> 3-28-92 (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by [Signature] MECH MODS Date 3-28-92  
Organization

ANII B. Ewing Date 5/31/92

1 Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)  
2 For work performed by certificate holder <sup>5</sup> When required by Construction  
3 Replaced (like or equivalent) Code

1003A-1-03A-471 1003A-1-03A 470

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.9  
Revision 0  
Page 24 of 39

APPENDIX E  
Page 1 of 1

WORKPLAN KP04683A-1

Summary Report  
Form HIS-2 Attachment

Page IX-186A

1. (Owner) Tennessee Valley Authority  
Nuclear Power

Date 3-28-92 <sup>701 3-28-92</sup>  
Report Tracking Number 92-33151 <sup>3/30/92</sup>

2. (Address) P.O. Box 2000  
SPRING CITY TN  
N/A 701 3-28-92

Sheet 1 of 1 <sup>N/A 701 3-28-92</sup>  
Unit #1  
WID No. KP04683A-1

3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> N/A 701 3-28-92  
Company  
PO. BOX 2000 Authorization No.<sup>2</sup> N/A 701 3-28-92  
Address  
SPRING CITY TN Expiration Date<sup>2</sup> N/A 701 3-28-92  
City and State

4: Identification of system FEED WATER (03A) ASME CLASS Z

5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda N/A 701 3-28-92 Code Case N/A 701 3-28-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda 701 3-28-92

6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) PIPE SUPPORT 1003A-1-03A-470 (DELETED)

6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN

6. (C) Manufacturer's Serial Number N/A 701 3-28-92

6. (D) National Board Number (if applicable) N/A 701 3-28-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A 701 3-28-92

6. (F) Year built N/A 701 3-28-92 Code Class 1 [ ] 2 []

6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> []

6. (H) ASME Code Stamped YES [ ] NO []

7. Brief description of repair or replacement work performed: PIPE SUPPORT 1003A-1-03A-470 (DELETED) PER DCA'S P04534-75, -76, -77 & WP KP04683A-1

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A 701 3-28-92 psi Test Temperature N/A 701 3-28-92 F

9. Remarks: NONE

<sup>701 3-28-92</sup> (N/A) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by JAA / MECH MODS Date 3-28-92

\* ANII N/A BONE 5/31/92 Organization 4/8/96 Date

- 1 Sheet nos. filled in by ISI programs
- 2 For work performed by certificate holder
- 3 Replaced (like or equivalent)
- 4 Replacement (Modification)
- 5 When required by Construction Code

\* B. Earmann 4/8/96

APPENDIX K  
Page 1 of 1

WORKPLAN KPO4683A-1

Summary Report  
Form NIS-2 Attachment

Page IX-128a

1. (Owner) Tennessee Valley Authority  
Nuclear Power Date 3-31-92  
Report Tracking Number 92-152 4/1/92
2. (Address) PO. BOX 2000 Sheet 1 of       
SPRING CITY TN Unit 1  
N/A AGC 3-31-92 WID No. KPO4683A-1
3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> N/A AGC 3-31-92  
Company P.O. BOX 2000 Authorization No.<sup>2</sup> N/A AGC 3-31-92  
Address SPRING CITY, TN Expiration Date<sup>2</sup> N/A AGC 3-31-92  
City and State
- 4: Identification of system FEEDWATER (03) ASME CLASS 2
5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda N/A AGC 3-31-92 Code Case N/A AGC 3-31-92
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda
6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) SUPPORT 1003-A401-8-2  
N/A AGC 3-31-92
6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY TN
6. (C) Manufacturer's Serial Number N/A AGC 3-31-92
6. (D) National Board Number (if applicable) N/A AGC 3-31-92
6. (E) Other identification (Subassembly number, heat number, etc.) N/A AGC 3-31-92  
N/A AGC 3-31-92
6. (F) Year built 1990 (DELETED) Code Class 1 [ ] 2 []
6. (G) Repaired [ ] Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [ ]
6. (H) ASME Code Stamped YES [ ] NO [ ]
7. Brief description of repair or replacement work performed: DELETE SUPPORT  
1063-A401-8-2
8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A AGC 3-31-92 psi Test Temperature N/A AGC 3-31-92 F
9. Remarks: NONE

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.

Prepared by Alton G. Coleman / MODIFICATIONS Date 3-31-92

ANII B Earmy Organization BNP Date 12/7/95

- 1 Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)
- 2 For work performed by certificate holder <sup>5</sup> When required by Construction
- 3 Replaced (like or equivalent) Code



APPENDIX E  
Page 1 of 1

WORKPLAN KP04683A-1

Page IX-31a

Summary Report  
Form MIS-2 Attachment

1. (Owner) Tennessee Valley Authority  
Nuclear Power  
Date 3-31-92  
Report Tracking Number 92-153 *4/1/92*
2. (Address) P.O. Box 2000  
SPRING CITY, TN  
N/A AUC 3-31-92  
Sheet 1 of       
Unit 1  
WID No. KP04683A-1
3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> N/A AUC 3-31-92  
Company  
P.O. Box 2000 Authorization No.<sup>2</sup> N/A AUC 3-31-92  
Address<sup>2</sup> SPRING CITY TN Expiration Date<sup>2</sup> N/A AUC 3-31-92  
City and State
- 4: Identification of system FEEDWATER (03) ASME CLASS 2
5. (A) Applicable Construction Code AISC 1973 Edition  
JUNE 1973 Addenda N/A AUC 3-31-92 Code Case N/A AUC 3-31-92
5. (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980 Winter 1981 Addenda
6. (A) Name of component(s) and description (include size, capacity, material,  
and location as needed to aid in identification) SUPPORT 1003A-1-03A-371  
N/A AUC 3-31-92
6. (B) Name of manufacturer TVA  
Address of manufacturer (if known) SPRING CITY, TN
6. (C) Manufacturer's Serial Number N/A AUC 3-31-92
6. (D) National Board Number (if applicable) N/A AUC 3-31-92
6. (E) Other identification (Subassembly number, heat number, etc.) N/A AUC 3-31-92  
N/A AUC 3-31-92
6. (F) Year built 1990 (DELETED) Code Class 1 [ ] 2 []
6. (G) Repaired [ ] Replaced<sup>3</sup> [] Replacement<sup>4</sup> [ ]
6. (H) ASME Code Stamped YES [ ] NO []
7. Brief description of repair or replacement work performed: DELETED SUPPORT  
1003A-1-03A-371
8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A AUC 3-31-92 psi Test Temperature N/A AUC 3-31-92 F
9. Remarks: NONE

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by Alton G. Colyer / MODIFICATIONS Date 3-31-92

\* ANII N/A NONE 5/31/92 Organization AME Date 4/8/96

- 1 Sheet nos. filled in by ISI programs
- 2 For work performed by certificate holder
- 3 Replaced (like or equivalent)
- 4 Replacement (Modification)
- 5 When required by Construction Code

\* B. Eamigh 4/8/96

APPENDIX E Page 1 of 1

WORKPLAN KPO4683A-1

Summary Report Form NIS-2 Attachment

Page IX-183a

1. (Owner) Tennessee Valley Authority Nuclear Power Date 3-31-92 Report Tracking Number 92-154 <sup>201</sup> 41/142

2. (Address) P.O. BOX 200 Sheet 1      of       
SPRING CITY, TN Unit 1  
N/A ACC 3- WID No. KPO4683A-1

3. Work performed by: TVA Type Code Symbol Stamp<sup>2</sup> N/A ACC 3-31-92  
Company Authorization No.<sup>2</sup> N/A ACC 3-31-92  
P.O. BOX 2000 Address SPRING CITY, TN Expiration Date<sup>2</sup> N/A ACC 3-31-92  
SPRING CITY, TN City and State

4: Identification of system FEEDWATER (03) ASME CLASS 2

5. (A) Applicable Construction Code AISC JUNE 1973 Addenda N/A ACC 3-31-92 Code Case N/A ACC 3-31-92 1973 Edition

5. (B) Applicable Edition of Section XI utilized for repairs or replacements 1980 Winter 1981 Addenda

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 1003A-1-03A-446 <sup>ACC 3-31-92</sup> DELETE SUPPORT

6. (B) Name of manufacturer N/A TVA Address of manufacturer (if known) SPRING CITY TN

6. (C) Manufacturer's Serial Number N/A ACC 3-31-92

6. (D) National Board Number (if applicable) N/A ACC 3-31-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A ACC 3-31-92

6. (F) Year built Modified 1970 (DELETED) Code Class 1 [ ] 2 [✓]

6. (G) Repaired [ ] <sup>ACC 3-31-92</sup> Replaced<sup>3</sup> [ ] Replacement<sup>4</sup> [✓]

6. (H) ASME Code Stamped YES [ ] NO [✓]

7. Brief description of repair or replacement work performed: SUPPORT 1003A-1-03A-446 DELETE

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]  
Nominal operating pressure [ ] Other [ ]  
Pressure N/A ACC 3-31-92 psi Test Temperature N/A ACC 3-31-92

9. Remarks: NONE

( ) Applicable Manufacturer's Data Report <sup>5</sup> to be attached.  
Prepared by Alton G. Coleman / MODIFICATIONS Date 3-31-92

\* ANII N/A Organization Boe 4/8/92 Date 5/31/92

- 1 Sheet nos. filled in by ISI programs <sup>4</sup> Replacement (Modification)
- 2 For work performed by certificate holder <sup>5</sup> When required by Construction Code
- 3 Replaced (like or equivalent)

\* B. Eamigh 4/8/96



APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company P.O. Box 2000 Address SPRING CITY, TN City and State

WID No. D-04635-01 Date 4/30/92 Report Tracking No. 92-155 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp N/A 4/30/92 Authorization No. N/A 4/30/92 Expiration Date N/A 4/30/92

COPY

4. Identification of system 63 SIS, Safety Injection System

5.(A) Applicable Construction Code AISC 1973 Edition JUNE 1973 Addenda N/A 4/30/92 Code Case N/A 4/30/92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 4" PIPE SUPPORT, 1-63-129 INSTALLED AT AZ 149, RE 51, EL. 723'-9" UNIT 2 RX, FAN ROOM B.

6.(B) Name of manufacturer N/A 4/30/92 Address of manufacturer (if known) N/A 4/30/92

6.(C) Manufacturer's Serial Number N/A 4/30/92

6.(D) National Board Number (if applicable) N/A 4/30/92

6.(E) Other identification (Subassembly number, heat number, etc.) ALSO TAGGED AS 1063-1-63-129

6.(F) Year built 1974 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced [X] Replacement

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed REBUILT BOX FRAME AND ADDED PLATES FOR STRENGTH PER DCA-P04635-02-0 + -03-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure N/A 4/30/92 Temperature N/A 4/30/92

9. Remarks NONE

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr J. B. Organization ANII Date 7-14-92

a Sheet Nos. filled in by ISI programs. b For work performed by certificate holder c Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

PAGE 4 CONT ON  
Pg. 5

TSU  
5-7-92

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
WID No. B-04640-01  
Date 5/6/92  
Report Tracking No. 92-156 *90/*  
Unit 1 *5/7/92*  
Sheet<sup>a</sup> 1 of 1
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee
- 3. Work performed by T.V.A.  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State  
Type Code Symbol Stamp<sup>b</sup> N/A *92/5/4/92*  
Authorization No.<sup>b</sup> N/A *92/5/4/92*  
Expiration Date<sup>b</sup> N/A *92/5/4/92*
- 4. Identification of system 63/ SAFETY INJECTION SYSTEM
- 5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A *92/5/4/92* Code Case N/A *92/5/4/92*
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 4" Ø PIPE SUPPORT, BOX FRAME 1063-1-63-314;  
LOCATED IN RX BLDG, A2 323, R=51'-0", EL 731'-0".
- 6.(B) Name of manufacturer N/A *92/5/4/92*  
Address of manufacturer (if known) N/A *92/5/4/92*
- 6.(C) Manufacturer's Serial Number N/A *92/5/4/92*
- 6.(D) National Board Number (if applicable) N/A *92/5/4/92*
- 6.(E) Other identification (Subassembly number, heat number, etc.) NONE
- 6.(F) Year built 19 N/A *92/5/4/92* Code Class [ ] 1 [X] 2
- 6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes [X] No
- 7. Brief description of repair or replacement work performed RELOCATED TUBE STEEL FOR  
GREATER CLEARANCE PER DCA-D04640-03-0.
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A *92/5/4/92* psi Temperature N/A *92/5/4/92*
- 9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

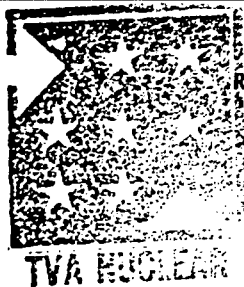
Responsible Engr [Signature] 1 MODS Date 5/6/92  
Organization  
ANI B. Ewing Date 6/12/92

PAGE 530 OF 564

a Sheet Nos. filled in by ISI programs.  
b For work performed by certificate holder  
c Replaced (like or equivalent)

d Replacement (modification)  
e When required by Construction Code

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MAY 10 1992

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09 Revision 4 Page 27 of 47

#5-10-92

PAGE 3B, CONT'D ON 24

APPENDIX G Page 1 of 1 SUMMARY REPORT

~~PG 3B CONT'D ON PG 4~~

5-9-92

#5-10-92

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. D-05724-01  
 Date 5/7/92  
 Report Tracking No. 92-157  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

- 3. Work performed by T.V.A.  
 Company  
P.O. Box 2000  
 Address  
SPRING CITY, TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A  
 Authorization No.<sup>b</sup> N/A  
 Expiration Date<sup>b</sup> N/A

- 4. Identification of system 74/ RHR, RESIDUAL HEAT REMOVAL
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda N/A Code Case N/A
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3"Ø PIPE PIPE SUPPORT 47A432-1-12. INSTALLED IN AUX. BLDG. EL. 722'-3", 2'-7½" W OF AS + 7'-0" N OF V.
- 6.(B) Name of manufacturer N/A  
 Address of manufacturer (if known) N/A
- 6.(C) Manufacturer's Serial Number N/A
- 6.(D) National Board Number (if applicable) N/A
- 6.(E) Other identification (Subassembly number, heat number, etc.) NONE
- 6.(F) Year built 19N/A Code Class  1  2
- 6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped  Yes  No
- 7. Brief description of repair or replacement work performed ADDED PLATES TO TUBE STEEL & CHANGED VERTICAL CLEARANCE WITH SHIMS PER DCA-P05724-03-0.
- 8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
 Test Pressure N/A psi Temperature N/A
- 9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr [Signature] 1 MODS Date 5/7/92  
 ANII B. Earnigh Organization 1 MODS Date 7/15/92

PAGE 531 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

WBN

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09 Revision 4 Page 27 of 47

APPENDIX G Page 1 of 1 SUMMARY REPORT

PAGE 3 CONT'D ON PG 3A  
~~PG 3 CONT ON PG 3A~~  
~~5-9-92~~ #5-1092

MAY 10 1992

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. D-05724-01  
 Date 5/7/92  
 Report Tracking No. 92-158 <sup>201</sup> <sub>5/10/92</sub>  
 Unit 1  
 Sheet<sup>a</sup> 1 of 1

1. Work performed by T.V.A.  
 Company  
P.O. Box 2000  
 Address  
SPRING CITY, TN  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A QRS 5/4/92  
 Authorization No.<sup>b</sup> N/A QRS 5/4/92  
 Expiration Date<sup>b</sup> N/A QRS 5/4/92

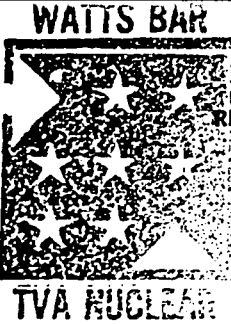
- 1. Identification of system ④ 74-RHR/63-SIS - SAFETY INJECTION SYSTEM
- (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A QRS 5/4/92 Code Case N/A QRS 5/4/92
- (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" Ø PIPE SUPPORT INSTALLED IN AUX. BLDG. EL. 697-72 3'-6" W OF AS + 12'-8 1/4" S OF V. PIPE SUPPORT NO 631SIS-RMS
- (B) Name of manufacturer N/A QRS 5/4/92
- Address of manufacturer (if known) N/A QRS 5/4/92
- (C) Manufacturer's Serial Number N/A QRS 5/4/92
- (D) National Board Number (if applicable) N/A QRS 5/4/92
- (E) Other identification (Subassembly number, heat number, etc.) N/A QRS 5/7/92
- (F) Year built 19 N/A QRS 5/4/92 Code Class [ ] 1  2
- (G) [ ] Repaired [ ] Replaced<sup>c</sup>  Replacement<sup>d</sup>
- (H) ASME Code Stamped [ ] Yes  No
- Brief description of repair or replacement work performed REMOVED WG FROM EMBED AND REATTACHED WITH ANGLE CLIPS, PER DCA-P05724-06-0 + DCA-P05724-07-0.
- Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A QRS 5/4/92 psi Temperature N/A QRS 5/4/92
- Remarks ④ ANALYSIS PROBLEM NUMBER N3-74-09A, RHR-RESIDUAL HEAT REMOVAL SYSTEM.

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr [Signature] 1 MODS Date 5/7/92  
 ANII B. Eamigh Organization \_\_\_\_\_ Date 7/15/92

Sheet Nos. filled in by ISI programs.  
 For work performed by certificate holder  
 Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code  
 PAGE 532 OF 564



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09 Revision 4 Page 27 of 47

APPENDIX G Page 1 of 1 SUMMARY REPORT

PAGE 3A CONT'D ON PG 3B  
~~PG 3A CONT'D ON PG 3B~~  
5-9-92  
5-10-92

MAY 10 1992

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

WID No. D-05724-01  
Date 5/7/92  
Report Tracking No. 92-159 5/8/92  
Unit 1  
Sheet<sup>a</sup> 1 of 1

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by T.V.A.  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A QRS 5/4/92  
Authorization No.<sup>b</sup> N/A QRS 5/4/92  
Expiration Date<sup>b</sup> N/A QRS 5/4/92

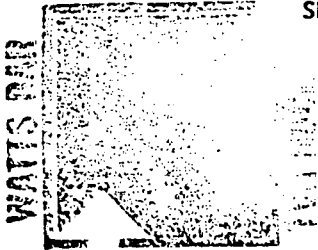
- Identification of system ④ 74/63 - SAFETY INJECTION SYSTEM
- (A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A QRS 5/4/92 Code Case N/A QRS 5/4/92
- (B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 3" Ø PIPE SUPPORT, 63-1515-R187 INSTALLED AT EL. 698'-6", 5'-1 1/2" W OF A5 + 10" N OF V IN AUX. BLDG.
- (B) Name of manufacturer N/A QRS 5/4/92  
Address of manufacturer (if known) N/A QRS 5/4/92
- (C) Manufacturer's Serial Number N/A QRS 5/4/92
- (D) National Board Number (if applicable) N/A QRS 5/4/92
- (E) Other identification (Subassembly number, heat number, etc.) N/A QRS 5/7/92
- (F) Year built 19N/A QRS 5/4/92 Code Class [ ] 1 [X] 2
- (G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>
- (H) ASME Code Stamped [ ] Yes [X] No
- 7. Brief description of repair or replacement work performed CUT 6" WF FROM BASE PLATE & REATTACHED WITH CLIP ANGLES PER DCA-PO5724-04-0 + DCA-PO5724-05-0.
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure N/A QRS 5/4/92 psi Temperature N/A QRS 5/4/92
- 9. Remarks ④ ANALYSIS PROBLEM NUMBER N3-74-09A, RHR-RESIDUAL HEAT REMOVAL SYSTEM

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr [Signature] 1 MODS Date 5/7/92  
Organization  
ANII B. Easough Date 7/15/92

PAGE 533 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs. <sup>d</sup> Replacement (modification)  
<sup>b</sup> For work performed by certificate holder <sup>e</sup> When required by Construction Code  
<sup>c</sup> Replaced (like or equivalent)



MAY 11 1992

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. D-05713-01  
 Date 5/10/92  
 Report Tracking No. 92-160 *5/11/92*  
 Unit 1  
 Sheet<sup>a</sup>      of     

- 3. Work performed by TVA  
 Company  
P.O. BOX 2000  
 Address  
SPRING CITY, TENNESSEE  
 City and State

Type Code Symbol Stamp<sup>b</sup> N/A *5/10/92*  
 Authorization No.<sup>b</sup> N/A *5/10/92*  
 Expiration Date<sup>b</sup> N/A *5/10/92*

- 4. Identification of system 07A/RHR SYSTEM / 07Z-CONTAINMENT SP/AY
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda N/A *5/10/92* Code Case N/A *5/10/92*
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT # 1072-A437-4-111 8" φ PIPE  
SUPPORT. RB #1 AZ 308° RAD 61'-0" ELEV. 818'-9 1/2"
- 6.(B) Name of manufacturer \_\_\_\_\_  
 Address of manufacturer (if known) \_\_\_\_\_
- 6.(C) Manufacturer's Serial Number N/A *5/10/92*
- 6.(D) National Board Number (if applicable) \_\_\_\_\_
- 6.(E) Other identification (Subassembly number, heat number, etc.) \_\_\_\_\_

- 6.(F) Year built 1973 Code Class [ ] 1  2
- 6.(G)  Repaired [ ] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes  No

7. Brief description of repair or replacement work performed ADDED WEID METAL  
PER DCA-P05713-08-0 (SHIM PLATES)

- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
 [ ] Nominal operating pressure [ ] Other  
 Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

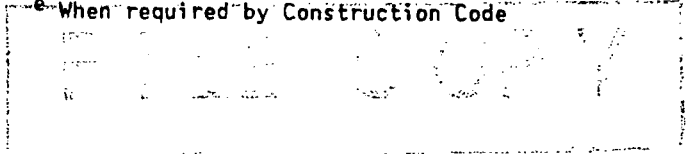
Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes  None Required

Responsible Engr Jerry W. Steele *5/10/92* MDDS Date 5/10/92

ANII B. Eamraji Organization \_\_\_\_\_ Date 6/16/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code





APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

WORKPLAN K-P04633A-1

Page IX-10

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. K-P04633A-1

Date 5-10-92

Report Tracking No. 92-161 *88* 5/11/92

Unit 1

Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup>

Authorization No.<sup>b</sup> NA 5-10-92  
JR

Expiration Date<sup>b</sup>

4. Identification of system SYS-63, 10"  $\phi$  PIPE ASME CLASS. 1

5.(A) Applicable Construction Code AISC 1973

Edition JUNE 1973 Addenda NA JR Code Case NA JR 5-10-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT ID: 1063-1-63-085  
RB# 1, EL 724'-9 3/4" AZ 140°-29'

6.(B) Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY TN

6.(C) Manufacturer's Serial Number NA JR

6.(D) National Board Number (if applicable) NA JR 5-10-92

6.(E) Other identification (Subassembly number, heat number, etc.) NA JR 5-10-92

6.(F) Year built 1990 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed SUPPORT DELETED & REMOVED

8. Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other

Test Pressure \_\_\_\_\_ psi Temperature F NA JR 5-10-92

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr James Rizzi 15-10-92 MECHMODS Date 5-10-92

Organization B. Earmagh

Date 5/8/96

FILE COPY

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> Work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

APPENDIX D  
Page 1 of 1

WORKPLAN JK-PO3579A-3

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page IX-227

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
(Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/12/90

Sheet<sup>a</sup> 1 of JK 5-15-92  
Unit 1

Work Performed by: TVA  
Company  
WATTSBAR NUCLEAR PLANT  
Address  
P.O. BOX 2000, SPRING CITY TN.  
City and State

Report Tracking No. 92-162 CW  
Type Code Symbol Stamp<sup>b</sup> 5/15/92

Authorization No.<sup>b</sup> NA 5-15-92 JR

Expiration Date<sup>b</sup> \_\_\_\_\_

Identification of System Reactor Coolant System (L8)

5(A). Applicable Construction Code ASME III 19  
Edition 1971 Addenda Summer 1972

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)

#1 Seal Housing for Reactor Coolant Pump #1, including  
12 ea Hex Head Bolts (2.00" x 8" long) (AN 6941C93401) CW 5/15/92 Dwg 114F921 Item 15

6(B). Name of Manufacturer Westinghouse Electric, Electro-Mechanical Division  
Address of Manufacturer (if known) Cheswick Ave, Cheswick, PA 15024

6(C). Manufacturer's Serial Number 2353 - 2D74702 G01

6(D). National Board Number (if applicable) N/A JR 5-15-92

6(E). Other Identification (subassembly number, heat number, etc.) NA JR 5-15-92

6(F). Year Built 1989

6(G). Repaired  Replaced  Replacement

6(H). ASME Code Stamped Yes  No  CW 5/15/92

Brief description of repair or replacement work performed.  
Replaced #1 seal housing with a modified design in conjunction  
with RCP cartridge seal conversion.

Tests Conducted: Hydrostatic  \* Pneumatic   
Nominal operating pressure  Other   
Pressure \_\_\_\_\_ psi Test Temperature \_\_\_\_\_ °F

Remarks: \* Hydrostatic test was performed by the manufacturer as attested  
to on the attached Quality Release E-85524

(✓) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr CW Williams NSSS Date 9/12/90  
Organization

ANII [Signature] Date 5/15/92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code

APPENDIX D  
Page 1 of 1

WORKPLAN K-P03579A-3  
Page IX-231

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Date 9/12/90

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Sheet<sup>a</sup> 1 of 1  
Unit 1

- 3. Work Performed by: TVA  
Company  
WATTSBAR NUCLEAR PLANT.  
Address  
P.O. BOX 2000, SPRING CITY TN.  
City and State

Report Tracking No. 92-163 CW 51592  
 Type Code Symbol Stamp NA-JR 51592  
 Authorization No. NA-JR 51592  
 Expiration Date<sup>b</sup> NA-JR 51592

- 4. Identification of System Reactor Coolant System (L8)
- 5(A). Applicable Construction Code ASME III 19 1971  
Edition 1971 Addenda Summer 1972
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980

- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
#1 Seal Housing for Reactor Coolant Pump #2, including 12 ea Hex Head Bolts (2" x 8" long) (P/N 6941C93 H01) CW 51592 Dwg IIA-E921 Item 15
- 6(B). Name of Manufacturer Westinghouse Electric, Electro-Mechanical Division  
Address of Manufacturer Cheswick Ave, Cheswick, PA 15024
- 6(C). Manufacturer's Serial Number 2354-2D74702 G01
- 6(D). National Board Number (if applicable) N/A JR 5-15-92
- 6(E). Other Identification (subassembly number, heat number, etc.) NA-JR 5-15-92
- 6(F). Year Built 1989

- 6(G). Repaired  Replaced
- 6(H). ASME Code Stamped Yes  Replacement   
No  CW 51592

7. Brief description of repair or replacement work performed.  
Replaced #1 seal housing with a modified design in conjunction with RCP cartridge seal conversion.

- 8. Tests Conducted: Hydrostatic  \*  
Nominal operating pressure  Pneumatic   
Pressure  psi Test Temperature  °F  
Other

9. Remarks: \* Hydrostatic test was performed by the manufacturer as attested to on the attached Quality Release E-85525

() Applicable manufacturer's data report<sup>e</sup> to be attached.  
 Responsible Engr CW Williams / NSSS Date 9/12/90  
 Organization

ANII [Signature] Date 5-15-92

<sup>a</sup> Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent).  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required.

APPENDIX D  
Page 1 of 1

WORKPLAN K-PO3579A-3

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page IX-235

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/12/90

Sheet<sup>a</sup>      of       
Unit     

3

3. Work Performed by: TVA  
Company  
WATTSBAR NUCLEAR PLANT  
Address  
P.O. BOX 2000, SPRING CITY, TN.  
City and State

Report Tracking No. 92-164 CD 5/15/92  
Type Code Symbol Stamp<sup>b</sup>     

Authorization No.<sup>d</sup> NIAJR  
Expiration Date<sup>d</sup> 5-15-92

4. Identification of System Reactor Coolant System (CR)

5(A). Applicable Construction Code ASME III 19       
Edition 1971 Addenda Summer 1972

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
#1 Seal Housing for Reactor Coolant Pump #3, including  
12 ea Hex Head Bolts (2" x 8" long) (P/N 6941C93 M01) CW 5/15/92 Dwg 114E92L Item 15

6(B). Name of Manufacturer Westinghouse Electric, Electro-Mechanical Division

6(C). Address of Manufacturer (if known) Cheswick Ave, Cheswick, PA 15024

6(D). Manufacturer's Serial Number 2355-2074702 G01

6(E). National Board Number (if applicable) NIA JR 5-15-92

6(F). Other Identification (subassembly number, heat number, etc.) NIA 5-15-92

6(F). Year Built 1989

6(G). Repaired  Replaced

6(H). ASME Code Stamped Yes  No  CD 5/15/92

7. Brief description of repair or replacement work performed.  
Replaced #1 seal housing with a modified design in conjunction  
with RCP cartridge seal conversion.

8. Tests Conducted: Hydrostatic  \* Pneumatic   
Nominal operating pressure  Other   
Pressure      psi Test Temperature      °F

9. Remarks: \* Hydrostatic test was performed by the manufacturer as attested  
to on the attached Quality Release E-85526

(✓) Applicable manufacturer's data report<sup>e</sup> to be attached.  
Responsible Engr Williams NSSG Date 9/12/90  
Organization     

ANII      Date 5-15-92

<sup>a</sup> Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent).  
<sup>d</sup> Replacement (modification).  
<sup>e</sup> When required by Construction Code

WORKPLAN K-P03579A-3

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

Page TR-239

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee

Date 9/12/90

Sheet<sup>a</sup>      of       
Unit     

- 3. Work Performed by: TVA  
Company

Report Tracking No. 92-165 CSW 5/15/92  
Type Code Symbol Stamp<sup>b</sup>

WATTSBAR NUCLEAR PLANT.  
Address

Authorization No.<sup>b</sup> NA JR 5-15-92

P.O. BOX 2000, SPRING CITY TN.  
City and State

Expiration Date<sup>b</sup>     

- 4. Identification of System Reactor Coolant System (68)

5(A). Applicable Construction Code ASME III 19       
Edition 1971 Addenda Summer 1972

5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
#1 Seal Housing for Reactor Coolant Pump #4, including

12 ea Hex Head Bolts (2" x 8" long) (P/N 6941C93H01) CSW/SLH Dwg 114E921 Item 15

6(B). Name of Manufacturer Westinghouse Electric, Electro-Mechanical Division

Address of Manufacturer (if known) Cheswick Ave, Cheswick, PA 15024

6(C). Manufacturer's Serial Number 2358 - 2D74702 G01

6(D). National Board Number (if applicable) NIA JR 5-15-92

6(E). Other Identification (subassembly number, heat number, etc.) NA JR 5-15-92

6(F). Year Built 1989

6(G). Repaired  Replaced

6(H). ASME Code Stamped Yes  No  CSW 5/14/92

7. Brief description of repair or replacement work performed.

Replaced #1 seal housing with a modified design in conjunction with RCP cartridge seal conversion.

8. Tests Conducted: Hydrostatic  \* Pneumatic

Nominal operating pressure  Pressure      PSI Test Temperature      °F

9. Remarks: \* Hydrostatic test was performed by the manufacturer as attested to on the attached Quality Release E-85527

(✓) Applicable manufacturer's data report<sup>e</sup> to be attached.

Responsible Engr Williams / NSSS Date 9/12/90  
Organization

ANII      Date 5-15-92

Sheet Nos. filled in by Testing and Diagnostic Programs Branch.

For work performed by certificate holder

Replaced (like or equivalent).

Replacement (modification).

When required by Construction Code

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power
2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

WID No. 004642-02 Date 5-19-92 Report Tracking No. 92-166 Unit 1 Sheet 1 of 2 Page 14 cont. on Page 15

3. Work performed by TVA Company P.O. BOX 2000 Address SPRING CITY, TENNESSEE City and State

Type Code Symbol Stamp NARLF 5-19-92 Authorization No. NARLF 5-19-92 Expiration Date NARLF 5-19-92

4. Identification of system 063 SAFETY INJECTION
5.(A) Applicable Construction Code AISI 19 73 Edition JUNE 1973 Addenda NARLF 5-19-92 Code Case NARLF 5-19-92
5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda
6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT # 1063-1-63-369. LOCATION: A2 30° EL. 728'-0"
6.(B) Name of manufacturer NARLF 5-19-92 Address of manufacturer (if known) NARLF 5-19-92
6.(C) Manufacturer's Serial Number NARLF 5-19-92
6.(D) National Board Number (if applicable) NARLF 5-19-92
6.(E) Other identification (Subassembly number, heat number, etc.) NARLF 5-19-92

6.(F) Year built 19 92 Code Class [X] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced [X] Replacement
6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed ADDED 1/2" THK. STIFFENER PLATES TO EXISTING W6 X 25 STRUCTURAL MEMBER PER DWG. P. 04642-C

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure psi Temperature F

9. Remarks NARLF 5-19-92

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr [Signature] Organization MELH MODS Date 5-19-92
ANII [Signature] Date 7-9-92

a Sheet Nos. filled in by ISI programs.
b For work performed by certificate holder
c Replaced (like or equivalent)

d Replacement (modification)
e When required by Construction Code

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. 004642-02  
Date 5-19-92  
Report Tracking No. 92-167 of 5/19/92  
Unit 1  
Sheet<sup>a</sup> 2 of 2

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Page 10 cont. on Page 1E

3. Work performed by TVA  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TENNESSEE  
City and State

Type Code Symbol Stamp<sup>b</sup> NA RLF 5-19-92  
Authorization No. <sup>b</sup> NA RLF 5-19-92  
Expiration Date<sup>b</sup> NA RLF 5-19-92

4. Identification of system 063 SAFETY INJECTION

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 1973 Addenda NA RLF 5-19-92 Code Case NA RLF 5-19-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 1063-1-63-388  
LOCATION: A2 399, RAD. 48-11, EL. 729'-0"

6.(B) Name of manufacturer NA RLF 5-19-92  
Address of manufacturer (if known) NA RLF 5-19-92

6.(C) Manufacturer's Serial Number NA RLF 5-19-92

6.(D) National Board Number (if applicable) NA RLF 5-19-92

6.(E) Other identification (Subassembly number, heat number, etc.) NA RLF 5-19-92

6.(F) Year built 19 92 Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed ADD WELD METAL TO EXISTING WELD ON STRUCTURAL MEMBER PER DLN-P.04642-C

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks \_\_\_\_\_  
NA RLF 5-19-92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr [Signature] 1 MECH MODS Date 5-19-92

Organization \_\_\_\_\_  
Date 7-9-92

<sup>a</sup> Sheet Nos. filled in by ISI programs. <sup>d</sup> Replacement (modification)  
<sup>b</sup> For work performed by certificate holder <sup>e</sup> When required by Construction Code  
<sup>c</sup> Replaced (like or equivalent)

REPAIR/REPLACEMENT OF ASME  
SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

L2

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. KP03655A-1

Date 5-27-92

Report Tracking No. 92-168 *5/27/92*

Unit 1

Sheet<sup>a</sup>      of     

(Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

Work performed by TVA

Type Code Symbol Stamp<sup>b</sup> NA 22 5-27-92

Company P.O. BOX 2000

Authorization No.<sup>b</sup> NA 22 5-27-92

Address SPRING CITY, TN.

Expiration Date<sup>b</sup> NA 22 5-27-92

City and State

Identification of system 063 SAFETY INJECTION, ASME - CLASS

Applicable Construction Code AISC 19 73

Edition JUNE 1973 Addenda NA 22 5-27-92 Code Case NA 22 5-27-92

Applicable Edition of Section XI utilized for repairs or replacements  
Q-Winter 1981 Addenda

Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT 1063-A435-7-38  
2 1/4" X 1 1/2" X 1 1/2"

Name of manufacturer TVA

Address of manufacturer (if known) SPRING CITY

Manufacturer's Serial Number NA 22 5-27-92

National Board Number (if applicable) HT # 4-1767

Other identification (Subassembly number, heat number, etc.)

Year built 19 90 Code Class  1  2

Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

ASME Code Stamped  Yes  No

Brief description of repair or replacement work performed REMOVE AND INSTALL  
SUPPORT WITH NEW MATERIAL

Tests Conducted:  Hydrostatic  Pneumatic

Nominal operating pressure  Other

Test Pressure NA 22 5-27-92 psi Temperature NA 22 5-27-92 F

Remarks

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr LEONARD Lewis 1 mods Date 5-27-92

B. Eamigh Organization     

Date 4/8/96

Filed in by ISI programs.

Formed by certificate holder

(or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

PAGE 542 OF 564

WP KP03655A-1

PAGE VIII-500

47A435-8-10

47A435-6-39

47A435-7-81

47A435-8-30



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
Spring City, TN  
City and State

WID No. K-PO4683A-1  
Date 6/1/92  
Report Tracking No. 92-170 <sup>6/1/92</sup>  
Unit 1  
Sheet<sup>a</sup> 1 of 1

Type Code Symbol Stamp<sup>b</sup> N/A M.R.M. 6/1/92  
Authorization No.<sup>b</sup> N/A M.R.M. 6/1/92  
Expiration Date<sup>b</sup> N/A M.R.M. 6/1/92

4. Identification of system FEEDWATER (03) ASME CLASS 2

5.(A) Applicable Construction Code AISC 1973  
Edition June 1973 Addenda N/A M.R.M. 6/1/92 Code Case N/A M.R.M. 6/1/92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 1003-A401-7-32, Aux Bldg.  
(S. Valve Room) EL. 72'-0", 19 1/2" E OF A1, 18'-1 1/2" N. OF U

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) Spring City, TN

6.(C) Manufacturer's Serial Number N/A M.R.M. 6/1/92

6.(D) National Board Number (if applicable) N/A M.R.M. 6/1/92

6.(E) Other identification (Subassembly number, heat number, etc.) N/A M.R.M. 6/1/92

6.(F) Year built 1990 (new) Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  Yes  No

7. Brief description of repair or replacement work performed FABRICATED AND INSTALLED  
NEW SUPPORT PER DCA-PO4683-12-0

8. Tests Conducted:  Hydrostatic  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure N/A 6/1/92 psi Temperature N/A 6/1/92 F

9. Remarks NONE S.R.M. 6/1/92

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engr M.R.M. [Signature] / MOOS Date 6/1/92  
Organization  
ANII B. Eamigh Date 6/1/92

PAGE 543 OF 664

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



MAY 30 1992

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Page 6 cont. on Page 6a

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. D-05711-01  
 Date 5/30/92  
 Report Tracking No. 92-171  
 Unit 1  
 Sheet<sup>a</sup>      of     

- 3. Work performed by TENN. VALLEY AUTHORITY  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TENNESSEE  
City and State

Type Code Symbol Stamp N/A M25-30-92  
 Authorization No. N/A M25-30-92  
 Expiration Date N/A M25-30-92

- 4. Identification of system 07A-RHR / 07Z-CONTAINMENT SPRAY
- 5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/A M25-30-92 Code Case N/A M25-30-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 47A457-1-E, 8"Ø PIPE, ADDED T.S. 6x4x3/8" (IT.7), \*PL. 1"x14"Ø (IT.8) & \*PL. 1"x10"Ø (IT.9)
- 6.(B) Name of manufacturer N/A M25-30-92  
Address of manufacturer (if known) N/A M25-30-92
- 6.(C) Manufacturer's Serial Number N/A M25-30-92
- 6.(D) National Board Number (if applicable) N/A M25-30-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) T.S. 6x4x3/8" HT:#T86040

- 6.(F) Year built 1953 Code Class [ ] 1 [X] 2
- 6.(G) [X] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes [X] No
- 7. Brief description of repair or replacement work performed ADDED T.S. 6x4x3/8" (IT.7) KICKER TO EXISTING SUPPORT.
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure      psi Temperature      F
- 9. Remarks \* ITEMS #8 & #9 WERE EXISTING, ADDED TO THE DRAWING FOR Q.C. TO VERIFY.

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

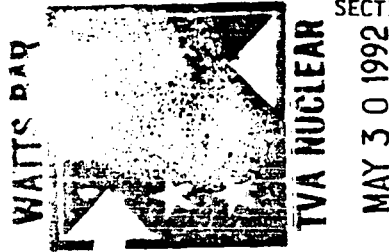
Responsible Engr Mr. Y. Rogers / MODS. Date 5.30.92

ANII S.B. Healy Organization      Date 5-22-92

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<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Page 6a cont. on Page 7

FORM NIS-2 ATTACHMENT

- 1. (Owner) TENNESSEE VALLEY AUTHORITY,  
Nuclear Power
- 2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. D-05711-01  
 Date 6-2-92  
 Report Tracking No. 92-172 *9/3/92*  
 Unit 1  
 Sheet<sup>a</sup>      of     

- 3. Work performed by TENN. VALLEY AUTHORITY  
 Company  
P.O. BOX 2000  
 Address  
SPRING CITY, TENNESSEE  
 City and State

Type Code Symbol Stamp <sup>b</sup> N/A URS-30-92  
 Authorization No. <sup>b</sup> N/A URS-30-92  
 Expiration Date <sup>b</sup> N/A URS-30-92

- 4. Identification of system OTA RHR
- 5.(A) Applicable Construction Code AISC 1973  
 Edition JUNE 1973 Addenda <sup>b</sup> N/A URS-30-92 Code Case <sup>b</sup> N/A URS-30-92
- 5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda
- 6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) SUPPORT 74-1RHR-V157, 8"Ø PIPE, ADDED  
IT. 4 (2) 3/4"Ø A-194 GR. ZH NUTS, IT. 5 (1) B.P. 5130 3/4"Ø WELDLESS EYE-NUT, IT. 11 (1) 3/4"Ø ROD
- 6.(B) Name of manufacturer BERGEN-PATERSON *AMS BRB*  
 Address of manufacturer (if known) BOSTON MASS.
- 6.(C) Manufacturer's Serial Number N/A URS-30-92
- 6.(D) National Board Number (if applicable) N/A URS-30-92
- 6.(E) Other identification (Subassembly number, heat number, etc.) (IT. 11) 3/4"Ø ROD HT. #8869139
- 6.(F) Year built 1973 <sup>b</sup> URS-30-92 Code Class [ ] 1 [X] 2
- 6.(G)  Repaired [X] Replaced<sup>c</sup> [ ] Replacement<sup>d</sup>
- 6.(H) ASME Code Stamped [ ] Yes [X] No
- 7. Brief description of repair or replacement work performed INSTALLED WELDLESS EYE-NUT, 3/4"Ø ROD AND (2) 3/4"Ø NUTS, ADJUST SPRING CAN SETTING.
- 8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
 [ ] Nominal operating pressure [ ] Other  
 Test Pressure A psi Temperature F
- 9. Remarks N/A  
A URS-30-92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr W. M. Rogers / MODS. Date 5-30-92  
 ANII S. B. Hat Organization       
 Date 8-22-92

a Sheet Nos. filled in by ISI programs.  
 b For work performed by certificate holder  
 c Replaced (like or equivalent)

d Replacement (modification)  
 e When required by Construction Code

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APPENDIX G  
Page 1 of 1  
SUMMARY REPORT



JUN 25 1992

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. D-04665-02  
Date 6-25-92  
Report Tracking No. 92-173  
Unit 1  
Sheet<sup>a</sup> 1 of     

3. Work performed by TVA  
Company  
PO Box 2000  
Address  
SPRING CITY, TN  
City and State

Type Code Symbol Stamp<sup>b</sup> NA RPL 62592  
Authorization No.<sup>b</sup> NA RPL 62592  
Expiration Date<sup>b</sup> NA RPL 6-25-92

4. Identification of system SAFETY INJECTION SYSTEM, SYS 63

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda NA RPL 6/25/92 Code Case NA RPL 6/25/92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT #1063-63-1 SIS-R48, Aux Bldg EL 698'-9 3/8", 8'-4" N/W, 1'-6" W/A5

6.(B) Name of manufacturer NA RPL 6-25-92  
Address of manufacturer (if known) NA RPL 6-25-92

6.(C) Manufacturer's Serial Number NA RPL 6-25-92

6.(D) National Board Number (if applicable) NA RPL 6-25-92

6.(E) Other identification (Subassembly number, heat number, etc.) See 6 (A), ALSO REF DCA P04665-12-0, Bom item (1) 3/4x4x7 1/16" A36 plate, HT# 87621

6.(F) Year built 19 NA RPL 62592 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed Added plate, weld attachment and strut. Deleted ROD, Added clamp (REF DCA P04665-12-0, -13-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA RPL 62592 psi Temperature NA RPL 62592

9. Remarks NONE

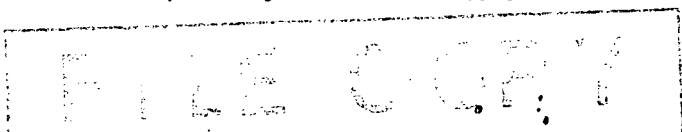
Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Engr Dahut P Jen 1 MUDS (Mech/Civil) Date 6-25-92

ANII B. Eason Date 6/28/92 Organization

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code



cont. on Page 7A  
Page 6

APPENDIX G Page 1 of 1 SUMMARY REPORT

FORM NIS-2 ATTACHMENT

JUN 25 1992

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TVA Company PO Box 2000 Address SPRING CITY, TN City and State

WID No. D-04665-02 Date 6-25-92 Report Tracking No. 92-174 Unit 1 Sheet 1 of 1

Type Code Symbol Stamp NA RPL 6/25/92 Authorization No. NA RPL 6/25/92 Expiration Date NA RPL 6/25/92

- 4. Identification of system SAFETY INJECTION SYSTEM, SYS 63
5.(A) Applicable Construction Code ASCE 1973 Edition JUNE 1973 Addenda NA RPL 6/25/92 Code Case NA RPL 6/25/92
5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda
6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 6" pipe support #1063-63-ISIS-R43, AUX BLDG, EL 700'-0", 7'-7" N/W, 7'-0" E/AS
6.(B) Name of manufacturer NA RPL 6/25/92 Address of manufacturer (if known) NA RPL 6/25/92
6.(C) Manufacturer's Serial Number NA RPL 6/25/92
6.(D) National Board Number (if applicable) NA RPL 6/25/92
6.(E) Other identification (Subassembly number, heat number, etc.) See Block 6 (A), ALSO Ref DCA P04665-08-0, Bom item (12) 1/2"x4"x5" plate, A36 HT# B7140
6.(F) Year built 19 NA RPL 6/25/92 Code Class [ ] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced [X] Replacement
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed Added plate, weld attachment AND STRUT, deleted ROD. (REF DCA P04665-08-0)
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure NA RPL 6/25/92 psi Temperature NA RPL 6/25/92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached. [ ] Yes [X] None Required

Responsible Engr Robert P Jan 1 MODS (Mech/Civil) Date 6-25-92 ANII B. Earmuff Organization Date 8/8/92

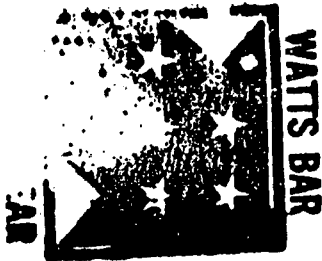
a Sheet Nos. filled in by ISI programs. b For work performed by certificate holder c Replaced (like or equivalent)

d Replacement (modification) e When required by Construction Code

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cont. on Page 7B Page 7A

JUL 7 1992



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

3 CONT ON 3A

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No.  
Date D-04642-03 7-7-92  
Report Tracking No. 92-176  
Unit 1  
Sheet<sup>a</sup>        of       

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY  
City and State

Type Code Symbol Stamp<sup>b</sup> NA DC 7-1-92  
Authorization No.<sup>b</sup> NA DC 7-1-92  
Expiration Date<sup>b</sup> NA DC 7-1-92

4. Identification of system SAFETY INJECTION SYSTEM, 063

5.(A) Applicable Construction Code AISC 19 73  
Edition JUN 73 Addenda NA DC 7-1-92 Code Case NA DC 7-1-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 8" PIPE SUPPORT #1063-1-63-344 RB1 FL EL 716' AZ 142°  
NA DC 7-1-92

6.(B) Name of manufacturer NA DC 7-1-92  
Address of manufacturer (if known) NA DC 7-1-92

6.(C) Manufacturer's Serial Number NA DC 7-1-92

6.(D) National Board Number (if applicable) NA DC 7-1-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE (6A) ALSO REF DCA P04642-03, 38, 39 & 40 BOM ITEM (3) R 1" X 2" X 4" LG A36 HT #412T626

6.(F) Year built 19 NA DC 7-1-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] YES [X] NO

7. Brief description of repair or replacement work performed MODIFIED SUPPORT BY REPLACING CLAMP W/ HARDWARE W/ PLATE & FRCTION ANCHOR DC 7-15-92 8" PART #4 BP CLAMP

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure NA DC 7-1-92 psi Temperature NA 7-1-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [ ] None Required

Responsible Engr Del Copeland Organization MODS (MECH/CIVIL) Date 7-1-92

ANII B. Earmys Date 11/7/92

PAGE 548 OF 564

<sup>a</sup> Sheet Nos. filled in by ISI programs.

<sup>b</sup> For work performed by certificate holder

<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

JUL 07 1992

BAR



REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

APPENDIX G Page 1 of 1 SUMMARY REPORT

SSP-6.09 Revision 4 Page 27 of 47 4 Kp8/3/92 3A CONT ON 3B

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

2. (Plant) Watts Bar Nuclear Plant P.O. Box 2000 Spring City, Tennessee

3. Work performed by TUA Company P.O. Box 2000 Address SPRING CITY City and State

WID No. Date D-04642-03 7-7-92 Report Tracking No. 92-177 20/7/7/92 Unit 1 Sheet a of

Type Code Symbol Stamp b NA DC 7-1-92 Authorization No. b NA-7-1-92 Expiration Date b NA 7-1-92

4. Identification of system SAFETY INSPECTION SYSTEM, 063

5.(A) Applicable Construction Code AISC 1973 Edition JUN 73 Addenda NA DC 7-1-92 Code Case NA DC 7-1-92

5.(B) Applicable Edition of Section XI utilized for repairs or replacements 1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT #1063-1-63-598 RB 1 KLEL 716 AZ 1A2

6.(B) Name of manufacturer NA DC 7-1-92 Address of manufacturer (if known) NA DC 7-1-92

6.(C) Manufacturer's Serial Number NA DC 7-1-92

6.(D) National Board Number (if applicable) NA DC 7-1-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE 6(A) REF. DCA P04642-03 E 53 BOM ITEM (7) PSA 1/2 NSA S/N 1986 ITEM (8) 2" PIPE CLAMP 2640.65

6.(F) Year built 19 NA DC 7-1-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced c [x] Replacement d

6.(H) ASME Code Stamped [ ] YES [x] NO

7. Brief description of repair or replacement work performed REPLACED SNUBBER CLAMP

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic [ ] Nominal operating pressure [ ] Other Test Pressure NA DC 7-1-92 psi Temperature NA DC 7-1-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached e. [ ] Yes [ ] None Required

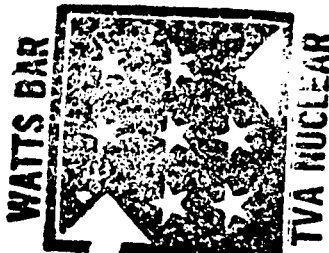
Responsible Engr Del Copeland 7-1-92 Mod (MECH/CIVIL) Date 7-1-92

ANII B. Earnigh Organization Date 11/7/92

a Sheet Nos. filled in by ISI programs. b For work performed by certificate holder c Replaced (like or equivalent) DTN 92-00005

d Replacement (modification) e When required by Construction Code

WBN



JUL 10 1992

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09  
Revision 4  
Page 27 of 47

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

PG 3 CONT ON 3A

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
WID No. D-04634-02  
Date 7/10/92  
Report Tracking No. 92-180 *of 7/10/92*  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN  
City and State  
Type Code Symbol Stamp<sup>b</sup> N/A 7/10/92 JWN  
Authorization No.<sup>b</sup> N/A 7/10/92 JWN  
Expiration Date<sup>b</sup> N/A 7/10/92 JWN

4. Identification of system 063 / SIS

5.(A) Applicable Construction Code AISC 19 73  
Edition JUNE 73 Addenda N/A 7/10/92 JWN Code Case N/A 7/10/92 JWN

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 4" d PIPE SUPPORT # 1063-1-63-407  
RB #1 AZ 36" RAD 51'-10" ELEV 711'-0"

6.(B) Name of manufacturer N/A  
Address of manufacturer (if known) 7/10/92

6.(C) Manufacturer's Serial Number \_\_\_\_\_

6.(D) National Board Number (if applicable) \_\_\_\_\_

6.(E) Other identification (Subassembly number, heat number, etc.) DCA - P04634-13-1  
(1-63-407) HT # 90E560 & 801A12720

6.(F) Year built 19\_\_\_\_ Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] YES [X] NO

7. Brief description of repair or replacement work performed ADDED SHIM # TO  
CORRECT GAPS

8. Tests Conducted: [ ] Hydrostatic NONE [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

Responsible Eng Jimmy W. Staki MECH. MODS Date 7/10/92

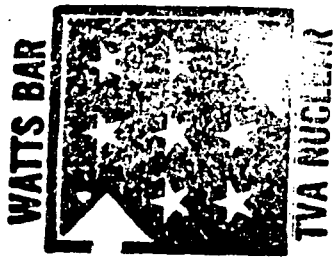
ANII JB E... Organization \_\_\_\_\_  
Date 7/10/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.  
<sup>b</sup> For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)  
DTN 92-00005

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code  
**PAGE 550 OF 564**



WBN



JUL 10 1992

REPAIR/REPLACEMENT OF ASME SECTION XI COMPONENTS

SSP-6.09 Revision 4 Page 27 of 47

APPENDIX G Page 1 of 1 SUMMARY REPORT

Page 3A CONT ON pg 4

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Nuclear Power

WID No. D-04634-02  
Date 7/10/92  
Report Tracking No. 92-181  
Unit 1  
Sheet<sup>a</sup> 1 of 1

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA  
Company  
P.O. Box 2000  
Address  
SPRING CITY, TN.  
City and State

Type Code Symbol Stamp<sup>b</sup> N/A 7/10/92 JWR  
Authorization No.<sup>b</sup> N/A 7/10/92 JWR  
Expiration Date<sup>b</sup> N/A 7/10/92 JWR

4. Identification of system 063 / SIS

5.(A) Applicable Construction Code AISC 1973  
Edition JUNE 73 Addenda N/A 7/10/92 JWR Code Case N/A 7/10/92 JWR

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 4" φ PIPE SUPPORT # 1063-1-63-404  
RB # 1 AZ 30° RAD. 51'-0" ELEV. 741'-0"

6.(B) Name of manufacturer N/A 7/10/92 JWR  
Address of manufacturer (if known) N/A 7/10/92 JWR

6.(C) Manufacturer's Serial Number N/A 7/10/92 JWR

6.(D) National Board Number (if applicable) N/A 7/10/92 JWR

6.(E) Other identification (Subassembly number, heat number, etc.) DCA-PO4634-10-0  
(1-63-404)

6.(F) Year built 19\_\_\_ Code Class  1  2

6.(G)  Repaired  Replaced<sup>c</sup>  Replacement<sup>d</sup>

6.(H) ASME Code Stamped  YES  NO

7. Brief description of repair or replacement work performed ADDED T.S.  
KICKER WELDED TO EMBEDDED PL.

8. Tests Conducted:  Hydrostatic N/A 7/10/92 JWR  Pneumatic  
 Nominal operating pressure  Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached<sup>e</sup>.  Yes  None Required

Responsible Engineer Jerry W. Deak MECH. MODS Date 7/10/92

ANI B. Carroll Organization \_\_\_\_\_ Date 9/12/92

<sup>a</sup> Sheet Nos. filled in by ISI programs.

<sup>b</sup> For work performed by certificate holder

<sup>c</sup> Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)

<sup>e</sup> When required by Construction Code

AGE 551 OF 564

APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Page 6 cont. on Page 6A

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

WID No. WP-D-16473-01

Date 7-13-92

Report Tracking No. 92-182

Unit 1

Sheet<sup>a</sup> 1 of 1

7/15/92

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

3. Work performed by TVA MOD MECH  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN 37381  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> N/A  
Expiration Date<sup>b</sup> ASL 7/13/92

4. Identification of system DEMIN. WATER 059 ASL 7/13/92

5.(A) Applicable Construction Code AISC, STEEL CONST. TO MANUAL  
Edition 7TH Addenda N/A Code Case TVA CL.B

5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) PIPE SUPPORT NO. 1059-A492-1-19 FOR 2" Ø PIPE, CARBON STEEL MAT'L, LOCATED @ AUX. BLDG., EL. 710

6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. BOX 2000, SPRING CITY, TN 37381

6.(C) Manufacturer's Serial Number NONE

6.(D) National Board Number (if applicable) NONE

6.(E) Other identification (Subassembly number, heat number, etc.) ID NO. 1059-A492-1-19

6.(F) Year built 1992 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed ADD WASHER

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks N/A ASL 7/13/92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required

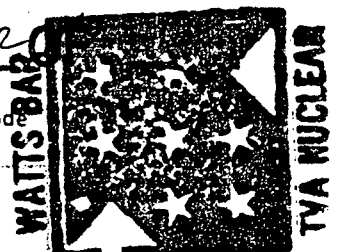
Responsible Engr Amel P. Nay, MODS MECH Date 7/13/92

ANII B. Ewing Organization Watts Bar Date 5/2/92

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
Replaced (like or equivalent)

<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction Code

PAGE 552



JUL 13 1992

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APPENDIX G  
Page 1 of 1  
SUMMARY REPORT

Page 6A cont. on Page 76B  
~~8892~~

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power

2. (Plant) Watts Bar Nuclear Plant  
P.O. Box 2000  
Spring City, Tennessee

WID No. WP-D-16473-01  
Date 7-13-91  
Report Tracking No. 92-183  
Unit 1  
Sheet<sup>a</sup> 1 of 1  
7/15/92

3. Work performed by TVA MOD MECH  
Company  
P.O. BOX 2000  
Address  
SPRING CITY, TN 37381  
City and State

Type Code Symbol Stamp<sup>b</sup>  
Authorization No.<sup>b</sup> NA  
SDR  
7-15-92  
Expiration Date<sup>b</sup>

4. Identification of system DEMIN. WATER 059  
5.(A) Applicable Construction Code AISC STEEL CONST. MAN. 7/13/92  
Edition 7TH Addenda NA ASE 7/13/92 Code Case TVA CL.B  
5.(B) Applicable Edition of Section XI utilized for repairs or replacements  
1980-Winter 1981 Addenda  
6.(A) Name of component(s) and description (include size, capacity, material, and location as  
needed to aid in identification) PIPE SUPPORT NO. 1059-A492-1-23 FOR  
2" Ø PIPE, CARBON STEEL MAT'L., LOCATED @ AUX. BLDG., EL 713.  
6.(B) Name of manufacturer TVA  
Address of manufacturer (if known) P.O. BOX 2000, SPRING CITY, TN 37381  
6.(C) Manufacturer's Serial Number NONE  
6.(D) National Board Number (if applicable) NONE  
6.(E) Other identification (Subassembly number, heat number, etc.) ID. NO. 1059-A492-1-23

6.(F) Year built 19 92 Code Class [ ] 1 [X] 2  
6.(G) [ ] Repaired [ ] Replaced<sup>c</sup> [X] Replacement<sup>d</sup>  
6.(H) ASME Code Stamped [ ] Yes [X] No  
7. Brief description of repair or replacement work performed ADD WASHER

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic  
[ ] Nominal operating pressure [ ] Other  
Test Pressure \_\_\_\_\_ psi Temperature \_\_\_\_\_ F

9. Remarks \_\_\_\_\_  
N/A ASE 7/13/92

Applicable Manufacturer's Data Report attached<sup>e</sup>. [ ] Yes [X] None Required  
Responsible Eng. Quab. Kelly, MODS MECH Date 7/3/92

ANII B. Eason Organization \_\_\_\_\_ Date 8/8/92

Sheet Nos. filled in by ISI programs.  
For work performed by certificate holder  
<sup>c</sup> Replaced (like or equivalent)  
<sup>d</sup> Replacement (modification)  
<sup>e</sup> When required by Construction



APPENDIX D  
Page 1 of 1

~~W.P. 04729A-1~~  
~~PAGE 7-325~~

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY Date 2-17-92  
Nuclear Power
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> 1 of 1  
Unit 1
3. Work Performed by: TVA Report Tracking No. 92-X004  
Company Type Code Symbol Stamp<sup>b</sup> N/AGW 2-1-92  
P.O. Box 2000 Address Authorization No.<sup>b</sup> N/AGW 2-1-92  
Address Expiration Date<sup>b</sup> N/AGW 2-1-92  
SPRING CITY, TN. City and State
4. Identification of System 62 CVCS ASME CLASS 2
- 5(A). Applicable Construction Code AISC 1973  
Edition JUNE 1973 Addenda N/AGW 2-1-92
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980-W1981
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
SUPPORT 47A406-2-47 AUX. BLD'G  
EL. 713 AG U
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) SPRING CITY, TN.
- 6(C). Manufacturer's Serial Number N/AGW 2-1-92
- 6(D). National Board Number (if applicable) N/AGW 2-1-92
- 6(E). Other Identification (subassembly number, heat number, etc.) N/AGW 2-1-92
- 6(F). Year Built 1990
- 6(G). Repaired  Replaced <sup>c</sup> Replacement <sup>d</sup>
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
INSTALL SUPPORT PER WPK-PO4729A-1  
N/AGW 2-1-92
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/AGW 2-1-92 psi Test Temperature N/AGW 2-1-92 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data reports<sup>e</sup> to be attached.

Responsible Engr [Signature] Date 2-17-92  
Organization

ANII [Signature] Date 4-10-92

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

APPENDIX C  
Page 1 of 1

ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date \_\_\_\_\_  
System 15  
TVA Class B  
Work Instr. No. MRA 647967  
N-5 No. N/A MSA 1/25/89  
TRACKING # 94-406 89 9/23/94

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired or Replaced Component: N/A MSA 1/25/89
- B. Name of the Components AND Description (include size, capacity, material, and location)--these requirements may be satisfied by attaching an applicable drawing: PDCZ-17 component support  
Loc: RBI, AZ 70" E-54'9" el. 708'1"  
Drawing: 48W1702-14 Sect. J14-T14
- C. Name of Manufacturer: Tennessee Valley Authority
- D. Address of Manufacturer (if known): PO Box 800, Spring City, TN 37381
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number:  
PDC 17
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) Repair porosity in welds per PSD.C.1.1  
Weld 1-DISR-cool-01 CO, RD  
RF CAQ WBP 871296, MRA 647958
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: N-VT-2 RB
- H. ANI/ANII Name, Employer, AND Business Address: Hartford Steam Boiler Inspection and Insurance Co  
1117 Perimeter Center West, Suite E301 Atlanta, GA 30338
- I. Date Work Completed: 1/18/89 MSA 1-25-89  
MD Hicks 1/25/89  
Responsible Engineer Date

*Summers*  
OCT 06 1988

APPENDIX C  
Page 1 of 1

ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date 1/29/10-7-85  
System 3  
TVA Class D  
Work Instr. No. A-615704  
N-5 No. 1/29/10-7-85

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired or Replaced Component: 1/29/10-7-85
- B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: 1/2" PIPE HANGER FROM 16" FEED-WATER LINE.
- C. Name of Manufacturer: 1/29/10-7-85
- D. Address of Manufacturer (if known): 1/29/10-7-85
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number:  
ID# 1003-A401-1-11, TUBE STEEL A500 GRB HT#19573
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) REPLACE 2X2X 1/4 TUBE STEEL BY WELDLINE STRENGTHENED DURING HANGER REMOVAL FOR INSPECTION (GARDING PLUS)
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: 1/29/10-7-85
- H. ANI/ANII Name, Employer, AND Business Address: HUGO BENDER, HARTFORD  
STEAM BOILER INSPECTION & INSURANCE CO, 1117 PERIMETER  
CENTER WEST SUITE E301, ATLANTA, GA 30338
- I. Date Work Completed: 10-4-85

*[Signature]*  
Responsible Engineer Date 1-10-7-85

TACKING  
94-407  
80/2123191

MR. A-567864  
Page 10 of 28

ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date 11-9-87  
System 3  
TVA Class B  
Work Instr. No. A-567864  
N-5 No. NA9991-889

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired or Replaced Component: NA991-7-87
- B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: YAKE CLAMP # 1-03A-323
- C. Name of Manufacturer: BERGEN - PATTERSON
- D. Address of Manufacturer (if known): PO Box 4011, KNOXVILLE, TN 37908
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number:  
BP 61750 U BOLT & SPACER & NUTS
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) INSTALL REPAIRMENT NUTS, U BOLT & SPACER BECAUSE ORIGINAL WAS DAMAGED.
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: POST REPAIR - NEXT EXAM PER TI 30A INSPECTIONS VT-3 & VTA (REF N-VT-1)
- H. ANI/ANII Name, Employer, AND Business Address: WES BENDER, THE HSB CO. 2-14-89  
HARTFORD STEAM BOILER INSPECTION & INSURANCE CO.  
111 PERIMETER CENTER WEST SUITE E301, ATL, GA 30339
- I. Date Work Completed: 1-3-89

JAN 09 1989  
cms

[Signature] 1-9-89  
Responsible Engineer Date

TRACKING # 94-4089634  
89

PAGE 27

WBN  
AI-9.15  
Appendix B  
Page 1 of 1  
Revision 8

### ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date \_\_\_\_\_  
System OL2  
TVA Class B  
Work Instr. No. A-477173  
N-5 No. N/A W# 12-11-87

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired OR Replaced Component: \_\_\_\_\_
- B. Name of the Components AND Description (include size, capacity, material, and location)--these requirements may be satisfied by attaching an applicable drawing: SEE ATTACHED DRAWING FOR REPLACEMENT OF DAMAGED STRUT PADDLE FOR SUPPORT NO. 62-1CVC-89L W# 12-11-87
- C. Name of Manufacturer: BERGEN - PATTERSON
- D. Address of Manufacturer (if known): N/A RAW 12-2-87
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number: VENDOR I.D. # BP 2200-1.5
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) REPLACEMENT OF PADDLE ON STRUT WITH A DAMAGED BUSHING. IDENTIFIED BY Q.C. REF. TROUBLE CARD # 18942
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: INSPECTIONS PER MAI-14 DATA SHEET B UPON COMPLETION OF WORK.
- H. ANI/ANII Name, Employer, AND Business Address: W. B. ... 12-11-87
- I. Date Work Completed: 11-20-87

Ray A. Welch 12-2-87  
Responsible Engineer | Date

**ISSUED**  
OCT 23 1987

PAGE 558 OF 569 TRACKING #  
94-412  
by 9/27/94  
21



### ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date \_\_\_\_\_  
System MAIN STEAM (CC)  
TVA Class B  
Work Instr. No. WP-WIC297-1  
N-5 No. N/A BHH 5/13/87  
TRACKING # 96-RR-004 *lg 5/29/87*

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired OR Replaced Component: W10266 (SG#1)  
W10287 (SG#2)  
W10288 (SG#3)  
W10289 (SG#4)
- B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: STEAM GENERATOR Nos 1,2,3,4 ;  
SECONDARY SIDE ; INSTRUMENT AND INSPECTION  
OPENINGS - BOLT HOLES
- C. Name of Manufacturer: WESTINGHOUSE ELECTRIC CORP, TAMPA DIV
- D. Address of Manufacturer (if known): P.O. Box 19218, TAMPA, FLORIDA
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number:  
1591 (SG#1) ; 1592 (SG#2) ; 1593 (SG#3) ; 1594 (SG#4)
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) INTERNAL THREAD DAMAGE ; BOLT HOLES  
RETAPPED AND GAGED ; (42) 3/4" DIA BOLT HOLES  
REFURBISHED USING HELICOL INSERTS (AMS 7245) (18-8, TYPE 302,  
WESTINGHOUSE FOR WATM-10297 304)
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: GC/No GC GAGING ;  
SYSTEM LEAKAGE TEST TO BE PERFORMED PER  
MI 68.9
- H. ANI/ANII Name, Employer, AND Business Address: BRUCE EAMGH ;  
HARTFORD STEAM BOILER INSPECTION AND INSURANCE CO ;  
1117 PERIMETER CENTER WEST, SUITE 301, ATLANTA, GA 30338
- I. Date Work Completed: 8/12/86

Benny H. Hooper 15/13/87  
Responsible Engineer Date

APPENDIX C  
Page 1 of 1

MR 633014  
Page 2 Of 2423 7/23/89

ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date N/A  
System 41  
TVA Class B  
Work Instr. No. NA 995289  
N-5 No. NA 995289  
TRACKING# 96-LR-005 89 5/18/96

Furnish the following for the Repair or Replacement for the "As-Left"  
condition of the component (After field work is complete). Mark All Blanks  
(Indicate N/A for items which do NOT apply).

A. National Board Number of Repaired or Replaced Component: N/A 995289

B. Name of the Components AND Description (include size, capacity,  
material, and location)—these requirements may be satisfied by  
attaching an applicable drawing: PIPE SUPPORT #1496-1-1A-15  
FOR A 2"Ø PIPE

C. Name of Manufacturer: BERGEN - PATERSON

D. Address of Manufacturer (if known): N/A 995289

E. Manufacturer's Component Identification Numbers (i.e., serial number,  
subassembly number, heat number, etc.). If more than one component is  
replaced, Attach weld map and identify items by item number:  
BERGEN PATERSON 133

F. Brief Description of Repair or Replacement Work Performed, including  
Conditions Observed and Corrective Measures Taken, as applicable  
(Reference DCR, CAQR, etc. Drawing may be Attached with affected area  
circled.) REMOVE DAMAGED BP133 AND REPLACE A36  
ROD IN THREAD ON EACH REF N3C 912 SECT. 2, 3, 4, 3  
EAT 9.2.2 APP. H.

G. Brief Description of Post Repair OR Replacement Tests AND Examinations  
(if required) by Instruction or Procedure Number: N/A 995289

H. ANI/ANII Name, Employer, AND Business Address: HUGO BENDER

HARTFORD STEAM BOILER INSPECTION & INSURANCE Co, 1117  
PERIMETER CENTER WEST, SUITE E 301

I. Date Work Completed: 6/1/89

MAY 02 1989 JMB

[Signature] 6/1/89  
Responsible Engineer Date

### ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date N/A RAW 12-2-87  
System 074  
TVA Class B  
Work Instr. No. A613910  
N-5 No. N/A RAW 12-2-87

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

- A. National Board Number of Repaired OR Replaced Component: N/A RAW 12-2-87
- B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: SEE ATTACHED DRAWING FOR REPLACEMENT OF DAMAGED PADDLE ON A BP-2000-1.5 STRUT.
- C. Name of Manufacturer: BERGEN-PATTERSON
- D. Address of Manufacturer (if known): N/A RAW 12-2-87
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number: VENDOR I.D. BP-2000-1.5 STRUT ASSEMBLY
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) DAMAGED BUSHING FOUND BY G.C. IN PADDLE AND TROUBLE TAG # 19436 ATTACHED TO SUPPORT. REPLACEMENT OF DAMAGED PADDLE COMPLETED BY MR A613910.
- G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: INSPECTIONS PER M.P.I-16 DATA SHT. B.
- H. ANI/ANII Name, Employer, AND Business Address: Hartford Steam Boiler, Iron & Shipbuilding Co., Hartford, CT
- I. Date Work Completed: 11:30-87

**ISSUED**  
OCT 23 1987

Ray A. Welch / 12-2-87  
Responsible Engineer Date

Summit 11/6  
T 06 1998

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WBK Page 10 of 27  
A1-015  
Page 20 of 31  
Revision 0

APPENDIX C  
Page 1 of 1

ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. box 800  
Spring City, Tennessee 37381

Comm. Service Date N/A 12-16-88  
System 03  
TVA Class B  
Work Instr. No. WIA-478272  
N-5 No. N/A 12-16-88

TRACKING # 96-RR-007 of 518/6

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

A. National Board Number of Repaired or Replaced Component: N/A 12-16-88

B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: PSA 1/4 # 1203A-1-03A-585

C. Name of Manufacturer: N/A 12-16-88

D. Address of Manufacturer (if known): N/A 12-16-88

E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced. Attach weld map and identify items by item number:  
SUBMER PSA 1/4 SN 12068

F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) REPLACE PSA 1/4 SUBMER DUE TO PUSHING OUT OF ALIGNMENT

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: N/A 12-16-88

H. ANI/ANII Name, Employer, AND Business Address: STAN HSB 4/6/89  
HUGH BENDER, WAREHO  
Summit Power Inspection & Insurance Co. 1117 PERIMETER CENTER  
WEST, SUITE E301 ATL GA 30338

I. Date Work Completed: 12-15-88  
[Signature] 12-16-88  
Responsible Engineer Date

### ASME SECTION XI SUMMARY REPORT

Tennessee Valley Authority  
Office of Nuclear Power, 1750 CST2-C  
Watts Bar Nuclear Plant, Unit 1  
P. O. Box 800  
Spring City, Tennessee 37381

Comm. Service Date NA 3/24/88  
System 062  
TVA Class A  
Work Instr. No. MR#A-598800  
N-5 No. 1-62-P2

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). Mark All Blanks (Indicate N/A for items which do NOT apply).

TRACKING # 96-RR-00822  
5/10/86

- A. National Board Number of Repaired OR Replaced Component: NA 3/24/88
- B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: Hgr. 1-62A-35 (see attached dng.)
- C. Name of Manufacturer: NA 3/24/88
- D. Address of Manufacturer (if known): NA 3/24/88
- E. Manufacturer's Component Identification Numbers (i.e., serial number, subassembly number, heat number, etc.). If more than one component is replaced, Attach weld map and identify items by item number:  
NA 3/24/88
- F. Brief Description of Repair or Replacement Work Performed, including Conditions Observed and Corrective Measures Taken, as applicable (Reference DCR, CAQR, etc. Drawing may be Attached with affected area circled.) see CAGR WBP 870875
- G. Brief Description of Post Repair OR Replacement, Tests AND Examinations (if required) by 'Instruction or Procedure' Number: N-VT-2
- H. ANI/ANII Name, Employer, AND Business Address: C.A. Peterson  
ASB I.T. Co. 1117 Piedmont Ave West Atlanta GA 30038
- I. Date Work Completed: 4/14/88 9-8-88  
Larry E. McMill 1 9-8-88  
Responsible Engineer Date

APPENDIX D  
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY  
Nuclear Power  
Date \_\_\_\_\_
2. (Plant) Watts Bar Nuclear Plant  
P. O. Box 2000  
Spring City, Tennessee  
Sheet<sup>a</sup> \_\_\_\_\_ of \_\_\_\_\_  
Unit 1
3. Work Performed by: TVA Company  
P.O. Box 2000 Address  
Spring City, TN City and State  
Report Tracking No. 96-009  
Type Code Symbol Stamp<sup>b</sup> N/A TWS 12-6-90  
Authorization No.<sup>b</sup> N/A TWS 12-6-90  
Expiration Date<sup>b</sup> N/A TWS 12-6-90
4. Identification of System Component Cooling TO ASME Class 2
- 5(A). Applicable Construction Code ASME 19 73  
Edition June 1973 Addenda N/A TWS 12-6-90
- 5(B). Applicable Edition of Section XI utilized for Repairs or Replacements 1980
- 6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)  
Pipe Support 1070-1-70-019, EL 712'-0", AZ=115° 20', R=45'-6"
- 6(B). Name of Manufacturer TVA  
Address of Manufacturer (if known) Spring City, TN
- 6(C). Manufacturer's Serial Number N/A TWS 12-6-90
- 6(D). National Board Number (if applicable) N/A TWS 12-6-90
- 6(E). Other Identification (subassembly number, heat number, etc.)  
N/A TWS 12-6-90
- 6(F). Year Built Support Modified 1990
- 6(G). Repaired  Replaced  Replacement
- 6(H). ASME Code Stamped Yes  No
7. Brief description of repair or replacement work performed.  
Modified Support per Work Plan K-P06108A-2/  
DEA-P06108-15-0 & -16-0
8. Tests Conducted: Hydrostatic  Pneumatic   
Nominal operating pressure  Other   
Pressure N/A TWS 12-6-90 psi Test Temperature N/A TWS 12-6-90 F
9. Remarks: No Test required

(N/A) Applicable manufacturer's data report<sup>e</sup> to be attached.  
12-6-90 Responsible Engr Tony Bunt INC-MEA Date 12-6-90  
Organization

ANII M.B. Chapman Date 11-4-91

<sup>a</sup>Sheet Nos. filled in by Testing and Diagnostic Programs Branch.  
<sup>b</sup>For work performed by certificate holder  
<sup>c</sup>Replaced (like or equivalent).  
<sup>d</sup>Replacement (modification).  
<sup>e</sup>When required by Construction Code.

PAGE 564 OF 564  
WP KP 06108A-2

3344-26812191 69  
PAGE IX-78 OF IX-110 26  
8/27/91

**ENCLOSURE 2**

**VOLUME 2**

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====NUMBER=====	=====	=====	=====
92- 185	D-16449-03	1067-450-22- 44	DELETED SUPPORTS	Also affects 1067-A450-22-045.
92- 186	D-04666-03	1063-63-1SIS-R 57	INSTALLED MODIFIED SUPPORT	
92- 187	D-16473-01	1059-492- 1- 21	Deleted Support	
92- 189	D-06011-01	1001-1-01A-381	DELETED SUPPORT	ALSO DELETES 1001A-1-01A-386 AND 1001A-1-01A-387
92- 190	D-04641-03	1063-1-63-293	INSTALLED MODIFIED SUPPORTS	ALSO MODIFIES 1063-1-63-298, -306 AND -307
92- 191	D-16449-02	1067-450-22- 38	DELETED SUPPORTS	ALSO DELETES 1067-A450-22-043
92- 192	D-04617-01	1062-62-1CVC-R201	INSTALLED MODIFIED SUPPORTS	ALSO MODIFIES 1067-A406-02-043.
92- 193	D-04666-06	1063-63-1SIS-R 82	INSTALLED MODIFIED SUPPORT	
92- 194	D-04666-04	1063-63-1SIS-R 63	ADDED NEW STIFFENER PLATE TO SUPPORT	
92- 194B	D-16449-04	1067-450-22- 37	DELETED SUPPORTS	Also affects 1067-A450-22-041.
92- 195	D-16449-05	1067-450-22- 39	DELETED SUPPORTS	ALSO DELETED 1067-A450-22-042 AND -194
92- 196	D-04602-03	1062-62-1CVC-R 95	REPLACED ENTIRE SUPPORT	ALSO REPLACED 1062-62-1CVC-R097.
92- 197	D-04602-03	1062-62-1CVC-R101	REPLACED SWAY STRUT AND CLAMP WITH A LARGER ONE	
92- 198	D-04602-03	1062-62-1CVC-R102	REPLACED BASE PLATE AND ROTATED END ATTACHMENT	
92- 199	D-04602-03	1062-62-1CVC-R104	ENLARGED HOLES IN BASE PLATE FOR LARGER ANCHORS	
92- 200	D-04590-01	1062-1-62A-222	MODIFIED EXISTING SUPPORT	ALSO MODIFIES 1062-1-62A-212 AND -225
92- 201	D-04602-04	1062-62-1CVC-R107	ENLARGED HOLES IN BASEPLATE FOR LARGER ANCHORS	
92- 202	D-04602-04	1062-62-1CVC-R109	REMOVED EXISTING U=BOLT. CUT ANGLE FROM BASEPLATE. REINSTALLED NEW ANGLE AND BOXED AROUND PIPE USING ANGLE.	
92- 203	D-04602-04	1062-62-1CVC-R121	DELETED BASEPLATE, ANCHOR BOLT ASSEMBLIES, SWAY STRUT AND PIPE CLAMP	



WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
92- 204	D-04602-04	1062-62-1CVC-R123	REMOVED BASEPLATE. INSTALLED NEW BASEPLATE.	
92- 205	D-04602-04	1062-62-1CVC-R126	REMOVED BASEPLATE. INSTALLED NEW BASEPLATE.	
92- 206	D-06177-01	1070-1-70-130	REPLACED ANCHOR BOLTING AND WELD TO EMBED.	
92- 207	D-04622-01	1062-406- 2- 7	MODIFIED SUPPORT BY ADDING STIFFENER	
92- 208	D-04667-03	1063-63-1SIS-R114	MODIFIED SUPPORT	ALSO MODIFIES 1063-63-1SIS-R115, -R120, -R131, -R137.
92- 209	D-05709-05	1074-74-1RHR-R 42	MODIFIED SUPPORT	ALSO MODIFIES 1074-74-1RHR-R044, -R050, -R051, AND -R054.
92- 210	D-04642-01	1063-1-63-370	MODIFIED SUPPORT	ALSO MODIFIES 1063-1-63-372, -373, AND -379.
92- 211	D-04642-04	1063-1-63-347	MODIFIED SUPPORT	ALSO MODIFIES 1063-1-63-351, -354, AND -383.
92- 212	D-04642-06	1063-1-63-357	MODIFIED SUPPORT	ALSO MODIFIES 1063-1-63-363, AND -590.
92- 213	D-06175-02	1070-70-1CC-R 15	REPLACED EXISTING ANCHOR BOLTS WITH LARGER SIZE.	
92- 214	D-04634-03	1063-1-63-409	MODIFIED EXISTING SUPPORTS	ALSO MODIFIES 1063-1-63-411 AND -572.
92- 215	D-04666-01	1063-63-1SIS-R 69	MODIFIED EXISTING SUPPORTS	ALSO MODIFIES 1063-63-1SIS-R068.
92- 216	D-04666-05	1063-63-1SIS-R 70	MODIFIED EXISTING SUPPORTS	ALSO MODIFIES 1063-63-1SIS-R071, -R072, AND -R073.
92- 217	D-04666-07	1063-63-1SIS-R 96	MODIFIED EXISTING SUPPORTS	
92- 218	D-05709-01	1063-060-63- 7	MODIFIED EXISTING SUPPORTS	ALSO MODIFIES 1074-A060-74-001 AND 1063-A435-01-001
92- 219	D-04602-01	1062-406- 2- 1	ADDED STIFFNER GUSSETS TO BASEPLATE	
220	D-16459-02	1063-1-63-252	DELETED SUPPORT	
92- 221	D-06175-01	1070-70-1CC-R 20	MODIFIED SUPPORT	ALSO MODIFIES 1070-70-1CC-R025

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440  
=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
92- 223	D-05620-01	1072-437- 3- 3	REPLACED BASEPLATE AND ANCHORS	
92- 224	D-05620-01	1062-555-18- 27	REPLACED SUPPORT	
92- 225	D-05620-01	1072-437- 5- 25	REPLACED ANCHORS, BASEPLATE, STRUT AND CLAMPS.	
92- 226	D-04602-01	1062-406- 3- 7	REPLACED BASEPLATE	
92- 227	D-04602-01	1062-62-1CVC-R 35	REPLACED STRUT AND ADDED NEW SUPPORT MEMBER	
92- 228	D-04602-01	1062-62-1CVC-R 56	TRIMMED BASEPLATE AND CHANNEL TO ALLOW ADDITIONAL CLEARANCE	
92- 229	D-04602-01	1062-62-1CVC-R 36	DELETED SUPPORT	
92- 230	D-04602-02	1062-62-1CVC-R 57	RECONSTRUCTED SUPPORT USING A TWO STRUT CONFIGURATION	
92- 231	D-04602-02	1062-62-1CVC-R 58	REPLACED STRUT	
92- 232	D-04602-02	1062-62-1CVC-R 74	REPLACED BASEPLATE	
92- 233	D-04602-02	1062-62-1CVC-R 77	REPLACED STRUTS	
92- 234	D-04602-02	1062-62-1CVC-R 64	REPLACED STRUTS	
92- 235	D-00278-06	1063-435- 8- 60	DELETED SUPPORT	ALSO DELETES 1063-A435-08-064, -067, -068, -070
92- 237	D-08693-01	1063-1-63-340	MODIFIED SUPPORT	
92- 238	D-00278-07	1063-435- 9- 61	DELETED SUPPORT	ALSO DELETES 1063-A435-09-068
92- 239	D-16473-03	1059-492- 1- 35A	MODIFIED SUPPORT	
92- 240	D-04584-01	1062-1-62A- 19	ENLARGED HOLES IN BASEPLATE TO ALLOW INSTALLATION OF LARGER ANCHORS.	
92- 241	D-04584-01	1062-1-62A- 16	MODIFIED SUPPORT BY REMOVING EXISTING BASEPLATE AND INSTALLING NEW BASEPLATE, ANCHORS AND STIFFENERS.	
92- 242	D-04584-01	1062-1-62A- 13	MODIFIED SUPPORT BY ADDING NEW BASEPLATE. ANCHORS, KICKER AND STIFFNER PLATES.	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
92- 243	D-05709-04	1074-74-1RHR-R 22	ENLARGED HOLES IN BASEPLATES FOR LARGER ANCHORS.	ALSO MODIFIES 1074-74-1RHR-R033.
92- 244	D-05709-04	1074-74-1RHR-R 26	REMOVED BASEPLATE, ANCHORS, REAR BRACKET AND DAMATED SWAY STRUT AND INSTALLED NEW BASEPLATE, ANCHORS, REAR BRACKET AND SWAY STRUT.	
92- 245	D-05709-04	1074-74-1RHR-R 34	CUT EXISTING REAR BRACKET FROM BASEPLATE. INSTALLED NEW BASEPLATE AND ANCHORS. WELDED REAR BRACKET BACK TO NEW BASEPLATE.	
92- 246	D-05709-04	1074-74-1RHR-R 37	MODIFIED SUPPORT BY CUTTING EXISTING REAR BRACKET FROM W6x15.5. REMOVED W6x15.5 AND INSTALLED TUBE STEEL AND PLATED. WELDED SNUBBER REAR BRACKET BACK IN PLACE.	
92- 247	D-04665-01	1063-435- 1- 9	PIPE SUPPORT MODIFICATIONS.	ALSO MODIFIES 1063-63-1SIS-R034, 1063-63-1SIS-R040.
92- 248	D-04642-05	1063-1-63-358	PIPE SUPPORT MODIFICATIONS AND REMOVAL OF DENTS ON ADJACENT PIPING.	ALSO MODIFIES 1063-1-63-359, 1063-1-63-360 AND 1063-1-63-361.
92- 249	D-04667-14	1074-432- 1- 6	MODIFIED PIPE SUPPORTS.	ALSO MODIFIES 1074-A432-01-007 AND 1072-A437-01-017.
92- 250	D-04599-01	SES #0945	REMOVE SURFACE DEFECT IN PIPING. NO WELD REPAIR REQUIRED.	
92- 251	D-05724-02	1074-74-1RHR-R170	MODIFY SUPPORTS PER APPLICABLE DCA'S.	
92- 252	D-04594-02	1062-1-62A-805	REPLACED STRUT, CLAMP AND STRUCTURAL MEMBERS	ALSO MODIFIES 1062-1-62A-806.
92- 253	D-04667-07	1063-63-1SIS-R203	PIPE SUPPORT MODIFICATIONS.	ALSO MODIFIES 1063-63-1SIS-R206, -R207, -R218, AND -R219.
92- 254	D-04667-06	1063-63-1SIS-R165	PIPE SUPPORT MODIFICATIONS.	ALSO MODIFIES 1063-63-1SIS-R173, -R174, -R175, AND -R181.
92- 255	D-04515-05	1001-400- 7- 31	MODIFY SUPPORTS	ALSO MODIFIES 1001-A400-07-039 AND -047.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
92- 256	D-04734-02	1062-62-1CVC-R 14	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1062-62-1CVC-R018, and -R021.
92- 259	D-14941-02	1003-060- 3- 11	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1003-A060-03-009.
92- 260	D-04621-02	1062-060-62- 14	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1062-A060-62-100, 1062-62-1CVC-R137, -R143, AND -R144.
92- 261	D-04667-09	1063-63-1SIS-R230	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1063-63-1SIS-R232, 1063-63-1SIS-R246, AND 1063-63-1SIS-R248.
92- 262	D-04625-01	1062-060-62- 21	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1062-62-1CVC-R245, AND 1062-62-1CVC-R248.
92- 263	D-04593-01	1062-1-62A-339	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1062-1-62A-340, 1062-1-62A-341, 1062-1-62A-345, AND 1062-1-62A-348.
92- 266	D-04642-08	1063-1-63-353	ADDED WELD METAL	
92- 267	92-06416-00	1-HTX - 74 - 31 -B	REPLACED SHELL TO BONNET FLANGE AND INLET/OUTLET SHELL FLANGE BOLTING.	
92- 268	D-04587-01	1062-1-62A-102	MODIFIED SUPPORTS PER DCA.	ALSO MODIFIES 1062-1-62A-107, 1062-1-62A-109, AND 1062-1-62-110.
92- 269	D-14941-03	1003-060- 3- 11	MODIFIED SUPPORTS PER DCA.	ALSO MODIFIES 1003-A060-03-09, AND 1003-A060-03-010.
92- 270	D-00909-01	1001-400- 6-182	INSTALL NEW STRUT AND CLAMP.	
92- 271	D-05709-07	1074-74-1RHR-R 96	MODIFY SUPPORTS PER DCA.	ALSO MODIFIES 1074-74-1RHR-R098, 1074-74-1RHR-R124, 1074-74-1RHR-R131, AND 1074-74-1RHR-R125.
92- 275	D-04608-01	1062-62-1CVC-R209	MODIFIED SUPPORT.	
92- 276	D-15790-01	1062-406-18- 1	MODIFIED SUPPORT.	ALSO AFFECTS 1062-A406-18-002. THIS TRACKING NUMBER MISTAKENLY ISSUED TWICE.
92- 276	D-14941-20	1070-060-70- 16	DRILLED AND REAMED OUT HOLES IN REAR PLATE.	THIS TRACKING NUMBER MISTAKENLY ISSUED TWICE.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
92- 277	D-06108-02	1070-464-20- 3	INSTALLED NEW BASE PLATE, ADDED WELDS, ALSO AFFECTS SUPPORTS RESET SPRING CAN.	1070-A464-20-004, -020, -021 AND -022.
92-X001	D-04641-01	1063-435- 8- 35	REPLACED CLAMP AND RELOCATED CLAMP ATTACHMENT LOCATION ON PIPE. REPLACED REAR BRACKET ALSO.	
92-X002	D-04641-01	1063-1-63-571	REPLACED BP PARTS 2540-.35 AND 2650-.35 WITH 2420-.65 AND 6202-.7. REMOVED AND REPLACED ONE PIECE OF EXISTING 3X3X3/16 TUBE STEEL.	
92-X003	D-04641-01	1063-1-63-289	REPLACED ANCHORS, BASEPLATE AND A PIECE OF 2X2X1/4 TUBE STEEL.	
93- 1	D-00278-08	1063-1-63- 30	HANGER MODIFICATION.	
93- 2	D-00278-05	1063-435- 7- 62	REMOVED DELETED SUPPORTS	Also affects 1063-A435-7-63, -7-64, and -7-65.
93- 3	D-14941-18	1070-060-70- 8	DRILLED PLATES (REAR) TO ALLOW WELD REMOVAL FROM PIPE.	Also affects 1070-060-70- 10.
93- 4	92-13294-00	1074-432- 1- 34	REPLACED EXISTING BP304 CLAMP WITH BP6150 CLAMP.	
93- 5	08-16255-63	1062-62-1CVC-R200	REPLACED ONE PADDLE ON STRUT	
93- 8	D-06020-01	1081-492- 2- 11	INCREASE ANCHOR BOLT SIZE AND STRUCTURAL TUBING SIZE	
93- 9	D-14941-08	1070-060-70- 9	MODIFIED REAR PLATE FOR FUSION INVESTIGATOIN.	ALSO AFFECTS SUPPORT 1070-A060-70-024.
93- 10	D-14941-01	1062-1-62 -498	SUPPORT MODIFICATIONS.	ALSO AFFECTS SUPPORT 1063-1-63-102, 1063-1-63-416, 1063-1-63-492.
93- 11	D-04591-09	1062-1-62A-240	SUPPORT MODIFICATIONS.	ALSO AFFECTS SUPPORT 1062-1-62A-241, -242, -246, -247, AND FLUSH GRINDING WELDS 1-062B-D035-11 AND -12 PREPARATORY TO PERFORMING PSI NDE. THE GRINDING IS NOT A REPAIR OR REPLACEMENT.
93- 12	D-03631-02	1074-74-1RHR-V121	DELETED SUPPORT.	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
93- 13	D-15486-02	1-PMP - 62 - 104 -B	ADD WELD METAL TO ALIGNMENT AND CENTERING PIN OF CHARGING PUMP 1B-B SUPPORTS	
93- 14	D-15486-01	1-PMP - 62 - 108 -A	ADD WELD METAL TO ALIGNMENT AND CENTERING PIN OF CHARGING PUMP 1A-A SUPPORTS	
93- 15	D-04586-02	1062-1-62A- 89	SUPPORT MODIFICATIONS	ALSO AFFECTS SUPPORTS 1062-1-62A-095, -097, -075 AND -096.
93- 16	D-04592-02	1062-1-62A-315	SUPPORT MODIFICATIONS	ALSO AFFECTS SUPPORTS 1062-1-62A-316 AND -317.
93- 17	D-04667-15	1063-63-1SIS-R226	SUPPORT MODIFICATIONS	ALSO AFFECTS SUPPORTS 1074-A432-01-005, 1074-A432-01-024, AND 1074-A432-01-025.
93- 18	D-04667-13	1074-432- 2- 1	SUPPORT MODIFICATIONS	ALSO AFFECTS SUPPORTS 1074-A432-05-002 AND 1072-A437-01-015.
93- 19	D-16152-04	2062-406- 1- 17	DELETED SUPPORTS	ALSO AFFECTS SUPPORTS 2062-A406-01-018 AND 2062-A435-25-002.
93- 20	D-14941-28	1062-060-62- 16	MODIFIED SUPPORTS	ALSO AFFECTS SUPPORTS 1062-A060-62-017.
93- 21	93-00125-00	1070-060-70- 37	REPAIR REAR PLATE WELD	
93- 22	93-00133-00	2070-060-70- 1	REPLACEMENT OF ANCHOR REAR PLATE DEFECTIVE WELD	
93- 23	D-16461-03	1062-555-18- 16-	1 DELETE THIS SUPPORT AND MODIFY 1062-555-18-16-2	
93- 24	D-14941-27	1062-060-62- 15	REMOVED INADVERTENT SEAM WELD BETWEEN PIPE AND REAR PLATE WHICH HAD BEEN FUSED TO THE PIPE IN ERROR.	
93- 25	D-14941-35	1062-060-62- 3	SUPPORT MODIFICATION - ADDED STIFFENER	Also affects 1062-1-62A-876 PLATE.
26	D-04667-11	1063-63-1SIS-R274	MODIFIED SUPPORT	ALSO AFFECTS SUPPORTS 1063-63-1SIS-R281, -V132, -V134 AND -V136.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 27	D-14941-26	1062-060-62- 1	REMOVE INADVERTANT SEAL WELDS.	ALSO AFFECTS SUPPORTS 1062-A060-62-006. DUPLICATE TRACKING NUMBER ISSUED BY MISTAKE.
93- 27	D-04624-01	1062-62-1CVC-R158	SUPPORT MODIFICATIONS	ALSO AFFECTS SUPPORTS 1062-62-1CVC-R159. DUPLICATE TRACKING NUMBER ISSUED BY MISTAKE.
93- 28	D-16461-09	1062-555-18- 18-	3 DELETED SUPPORT.	
93- 30	D-05595-01	1061-462- 8- 3	DELETED SUPPORT	
93- 31	D-14941-29	1062-1-62A-170	BASE METAL DEFECT EVALUATION.	
93- 32	D-04595-01	1062-406- 6- 4	ADDED FRICTION ANCHORS.	ALSO AFFECTS 1062-A406-06-063.
93- 33	D-04595-01	1062-1-62A-854	ADDED SHIM PLATES.	ALSO AFFECTS 1062-1-62A-869.
93- 34	D-04595-01	1062-1-62A-613	INCREASED BASE PLATE SIZE, ADDED WEDGE BOLTS, REPLACED SSDS WITH UNDERCUT ANCHOR.	
93- 35	D-16460-05	1062-406- 2- 35A-1	SUPPORT DELETED.	
93- 36	D-04535-03	1003-427- 5- 3	ADDED TUBE STEEL BRACE.	
93- 37	D-04535-03	1003-1-03B- 79	ADDED WELD TUBE STEEL TO BASEPLATE	
93- 38	D-04535-03	1003-1-03B- 80	ADDED NEW BASEPLATE, BEAM ATTACHMENT AND ANCHOR BOLTS	
93- 40	D-04535-03	1003-427- 5- 2	REPLACED SNUBBER AND OTHER SUPPORT COMPONENTS.	
93- 41	D-16460-15	1062-435-20- 3 -462	MODIFIED SUPPORTS.	ALSO AFFECTS 1062-435-020-002-462 AND -465.
93- 42	D-16460-15	1062-435-20- 2 -463	DELETED SUPPORT	
93- 43	D-16460-17	1062-435-20- 5 -401	DELETED SUPPORT.	
93- 44	D-16460-17	1062-435-20- 4A-446	MODIFIED SUPPORTS	ALSO AFFECTS -005-403 AND -005-521.
93- 45	D-14941-38	1063-1-63-250	ADDED STIFFENER PLATES.	Also affects 1063-1-63-586.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 46	93-00496-00	1015-400- 6-101	REPLACED NPS 4 PIPE CLAMP.	
93- 47	D-14941-41	1074-060-74- 5	MODIFIED REAR PLATE ON BOX ANCHOR	
93- 48	D-05724-03	1074-74-1RHR-R200	REPLACED EXISTING SNUBBER AND CLAMP WITH HIGHER LOAD RATED SNUBBER AND CLAMP	
93- 49	D-05724-03	1074-74-1RHR-R199	REMOVED ENTIRE EXISTING SUPPORT AND REBUILT SUPPORT WITH NEW MATERIAL.	
93- 50	D-14941-36	1074-060-74- 1	REMOVED INADVERTANT SEAM WELD.	
93- 51	D-14941-37	1063-060-63- 12	REWORKED REAR PLATE ON BOX ANCHOR	
93- 52	D-16460-16	1062-435-20- 3 -466	MODIFIED SUPPORTS	ALSO AFFECTS -003-467 AND -004C-526
93- 53	D-16460-16	1062-435-20- 3 -468	DELETED SUPPORTS	ALSO AFFECTS -004C-457
93- 54	D-05709-11	1074-74-1RHR-R 63	INSTALLED NEW STRUT AND END BRACKET	
93- 55	D-15586-01	1-TANK- 63 - 46	REPLACED BOLTS AND NUTS IN THE RWST MANHOLE COVER.	
93- 56	D-04591-08	1062-406- 7- 1	HANGER MODIFICATIONS	Also affects 1062-A406-7-2, -6, and -7.
93- 57	D-16152-07	2062-060-62-113	ADDED KICKER WITH PASE PLATE AND ANCHORS AND STIFFNER PLATE.	
93- 58	D-16152-07	2062-435-25- 4	ADDED SHIM PLATE.	
93- 59	D-04720-02	1062-1-62A-326	SUPPORTS DELETED.	ALSO AFFECTS -328, -329, AND -384.
93- 60	D-04667-05	1063-63-1SIS-R126	SUPPORT MODIFICATIONS.	ALSO AFFECTS -R152, -R153, -R155, AND -R162.
93- 61	D-16460-13	1-FLTR- 62 - 4/1B	RELOCATED ASME NAME PLATE.	
93- 63	D-20761-18	1063-63-1SIS-R 43	SUPPORT MODIFICATIONS	ALSO AFFECTS -R206 AND -R114.
93- 65	92-05146-00	1067-060-67- 26	EXCAVATED WELD AND PERFORMED REPAIR WELD.	
93- 66	D-04715-01	1074-432- 1- 31	SUPPORT MODIFICATIONS	Also affects 1063-63-1SIS-R216 and 1063-A435-3-14



WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 68	D-04592-06	1062-1-62A-302	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-307, -310, -314, AND -316.
93- 69	A-670062	1-DRV - 3 - 593	REPLACE STEM AND DISK ASSEMBLY	ALSO AFFECTS 1-DRV-3-594
93- 70	D-04602-05	1062-62-1CVC-R 59	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-62-1CVC-R133 AND 1062-A406-03-043
93- 71	D-18202-06	1063-435- 1- 58	ADD NEW SUPPORTS	ALSO AFFECTS 1063-A435-01-068
93- 73	92-22920-03	1-FCV - 74 - 9	DRILLED PRESSURE RELIEF HOLE IN ONE OF THE TWO DISCS	
93- 74	D-05698-16	1063-435- 1- 2	DELETED SUPPORT.	ALSO AFFECTS 1074-74-1RHR-R035.
93- 75	D-05709-09	1074-74-1RHR-R224	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1074-74-1RHR-R225, -R228, -R223, AND -V038.
93- 76	D-16460-25	48N1221-7(MK 1)	REPLACED BASEPLATE AND ANCHORS	Affects support 48N1221-7 (MK 1) for both the 1A and the 1B seal water injection filters.
93- 78	D-16460-19	1-FLTR- 62 - 04/1A	RELOCATED THE ASME NAMEPLATE TO ALLOW ATTACHMENT OF SUPPORT 1062-406-2-19-6.	
93- 79	D-16152-03	2062-62-2CVC-R 29	DELETED SUPPORT.	ALSO AFFECTS 2062-62-2CVC-R032 AND 2062-A406-01-016.
93- 80	D-16460-20	1062-1-62A-121	MODIFIED SUPPORTS	ALSO AFFECTS 1062-1-62A-134.
93- 81	D-05698-13	1074-74-1RHR-R 6	MODIFIED SUPPORTS	ALSO AFFECTS 1063-A435-01-050
93- 82	D-04591-04	1062-1-62A-256	INSTALLED NEW FRICTION ANCHOR, 2 SWAY STRUTS AND ADDITIONAL TUBE STEEL.	
93- 83	D-04591-04	1062-1-62A-534	REPLACED EXISTING SNUBBBER WITH LARGER SNUBBBER, ADDED TUBE STEEL BASEPLATE, ANCHORS AND PIPE CLAMP.	
93- 84	D-16152-02	2062-62-2CVC-R 15	DELETED SUPPORT	ALSO DELETES 2062-62-2CVC-R020, -R022 AND -R026.
93- 85	D-04601-02	1062-060-62-143	ADDED FRICTION ANCHORS TO SUPPORT.	
93- 86	D-04621-01	1062-62-1CVC-R138	MODIFY SUPPORTS	ALSO DELETES 1062-62-1CVC-R147, -R150, AND -R170.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 87	92-22920-02	1-FCV - 74 - 8A	DRILLED PRESSURE RELIEF HOLE IN ONE DISC.	
93- 88	92-22920-01	1-FCV - 74 - 2B	DRILLED PRESSURE RELIEF HOLE IN ONE DISC.	
93- 89	92-22920-00	1-FCV - 74 - 1A	DRILLED PRESSURE RELIEF HOLE IN ONE DISC.	
93- 90	D-18202-07	1063-435- 1- 59	ADDED NEW SUPPORTS.	ALSO ADDS 1063-A435-01-060, -061, AND -062.
93- 91	D-17667-03	1068-1-68- 1	SET SPRING CAN AND REPLACED ITEM NO. 8	ALSO AFFECTS 1068-1-68-005.
93- 93	D-04585-01	1062-1-62A- 34	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-067, -063, AND -066.
93- 94	D-04636-01	1062-435-10- 42	ADDED WELD METAL	
93- 95	D-05709-03	1074-74-1RHR-R 12	SUPPORT MODIFICATIONS	ALSO AFFECTS 1074-74-1RHR-R052, -R005, -R007, -R017, AND -R020.
93- 96	D-04636-06	1063-1-63-523	SUPPORT MODIFICATIONS	
93- 97	D-16459-05	1063-1-63-256	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-262, 1063-A435-26-001, 1063-A435-07-050, AND 1062-1-63-253.
93- 98	D-04535-05	1003-1-03A-403	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003A-1-03A-405, 1003A-1-03A-425, AND 1003A-1-03A-426.
93- 99	D-04623-02	1062-62-1CVC-R225	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-A555-10-029.
93- 100	D-07886-04	1062-1-62 -271	SUPPORT MODIFICATIONS	
93- 101	D-04593-02	1062-1-62A-356	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-358, -359, -361, AND -362.
93- 102	D-16448-04	1067-450-22-1EB- 10	REPLACE PIPE CLAMP	
93- 103	D-16448-04	1067-450-22-1EB- 15	SUPPORT DELETED	
104	D-05792-02	1068-1-68- 20	SUPPORT MODIFICATIONS	ALSO AFFECTS 1068-1-68-043, -044, AND 1062-1-62A-331.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 105	D-00278-01	1063-060-63- 92	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-A060-63-093.
93- 106	D-00278-04	1063-060-63- 94	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-A060-63-095.
93- 107	D-16461-11	1062-406- 2- 3- 3	SUPPORT MODIFICATIONS	
93- 108	D-04633-04	1063-1-63- 64	SUPPORT MODIFICATIONS	
93- 109	D-00278-105	1063-435- 8- 61	SUPPORTS REMOVED/DELETED	ALSO AFFECTS 1063-A435-08-062, -063, -069, AND -065.
93- 110	D-00278-106	1063-435- 6- 60	SUPPORTS REMOVED/DELETED	ALSO AFFECTS 1063-A435-07-061, AND -066.
93- 111	92-12113-00	1063-435- 7- 51	REPLACE CLAMPS	
93- 112	D-05709-10	1072-437- 2- 9	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-A435-01-012.
93- 113	D-04593-05	1062-1-62A-348	SUPPORT MODIFICATIONS	
93- 114	93-06800-00	1074-74-1RHR-R218	CUT AND WELD PROPER LENGTH FOR NEW STRUT AND REPLACED STRUT	
93- 117	92-22911-01	1-FCV - 63 - 11B	DRILLED PRESSURE RELIEF HOLE IN ONE OF THE TWO WEDGES.	
93- 118	92-22911-02	1-FCV - 63 - 156A	DRILLED PRESSURE RELIEF HOLE IN ONE OF THE TWO WEDGES.	
93- 119	92-22911-03	1-FCV - 63 - 157B	DRILLED PRESSURE RELIEF HOLE IN ONE OF THE TWO WEDGES.	
93- 120	08-16311-37	1062-62-1CVC-R166	REPLACED HANGER ROD AND EYE NUT	DUPLICATE TRACKING NUMBER ISSUED IN ERROR.
93- 120	93-06915-00	1063-63-1S1S-R189	REPLACED BENT STRUT.	DUPLICATE TRACKING NUMBER ISSUED IN ERROR.
93- 121	D-04602-09	1062-62-1CVC-R115	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-62-1CVC-R116, -R117, AND -R118.
93- 122	D-16448-19	1067-450-222-1EB- 3	SUPPORT DELETED	
93- 123	D-06034-02	1068-1-68-432	DELETED SUPPORTS	ALSO AFFECTS 1068-1-68-433.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 124	D-00278-02	1063-060-63- 96	INSTALLED NEW SUPPORTS	ALSO AFFECTS 1063-A060-63-097
93- 125	92-12508-00	1063-435- 8- 52	REPLACED CLAMP.	
93- 126	D-05792-10	1068-406- 9- 56	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1068-A406-09-057 AND -058, AND 1062-1-62A-319.
93- 127	D-04636-05	1063-1-63-165	SUPPORT MODIFICATIONS.	
93- 128	D-00278-03	1063-060-63	SUPPORT MODIFICATIONS.	
93- 129	D-04592-05	1062-406- 9- 52	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-A406-09-053.
93- 130	D-04593-04	1062-1-62A-557	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-560 AND -563.
93- 131	D-04592-04	1062-406- 9- 48	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-A406-09-049, -050, AND -051.
93- 132	92-14534-00	1062-62-1CVC-R142	REPAIRED EXISTING SUPPORTS BY ADDING WELD METAL.	ALSO AFFECTS 1062-62-1CVC-R151.
93- 133	D-00278-101	1063-435- 6- 64	DELETED SUPPORT	
93- 135	D-00278-104	1063-435- 9- 60	DELETED SUPPORTS	ALSO AFFECTS 1063-A435-09-067.
93- 136	D-04602-06	1062-62-1CVC-R 64	REPLACED ANGLE MEMBER WITH NEW TUBE STEEL.	
93- 137	93-04762-00	1063-1-63-147	REPAIRED BY ADDITION OF WELD METAL.	
93- 138	D-05698-01	1063-63-1SIS-R 24	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1074-74-1RHR-R048.
93- 139	D-04591-12	1062-1-62A-263	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-264 AND -536.
93- 140	D-16465-01	1061-462-12- 1	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1061-A462-12-005.
93- 141	D-16465-02	1061-462-13- 1	SUPPORT MODIFICATIONS.	
93- 142	D-05595-03	1061-462- 8- 85	SUPPORT MODIFICATIONS.	
93- 143	D-04592-01	1062-1-62A-292	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-306, -293, -312, AND -313.
93- 144	D-04684-01	1003-1-03A-482	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1003A-1-03A-495.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 146	D-05709-12	1063-435- 1- 73	SUPPORT MODIFICATIONS.	
93- 147	D-16448-13	1067-450-22- 46	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-048.
93- 148	D-16448-29	1067-450-22- 36	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-040 AND -047.
93- 149	D-04641-02	1063-1-63-288	SUPPORT MODIFICATIONS.	
93- 150	D-16447-01	1003-401-1-NP- 9- 70	REPAIR BY ADDITION OF WELD METAL.	ALSO AFFECTS 1003-401-1-NP-10-070
93- 151	D-13221-01	1072-437- 5-CB1- 22	SUPPORT INSPECTIONS (BOLTING MATERIAL)	ALSO AFFECTS 1072-W427-05-CB1-023, -024, -025, -026, -027, AND -028.
93- 152	93-05788-00	1-FCV - 74 - 28	REPLACED NUTS FOR FLANGE CONNECTION.	
93- 153	93-05788-01	1-FCV - 74 - 28	REPLACED NUTS FOR FLANGE CONNECTION.	
93- 154	D-04591-06	1062-1-62A-260	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-270 AND 1062-A406-07-137.
93- 155	92-22911-00	1-FCV - 63 - 8A	DRILLED HOLE IN ONE GATE OF VALVE.	
93- 156	D-04588-02	1062-1-62A-149	INCREASED WELD SIZES.	
93- 157	D-04734-01	1062-060-62- 11	SUPPORT MODIFICATIONS	Also affects 1062-62-1CVC-R15, 1062-62-1CVC-R1, and 1062-A406-1-6. During closure review, 1062-62-1CVC-R15 was determined to be a Class G support and was removed from the scope of this NIS-2.
93- 158	D-04593-03	1062-1-62A-364	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-370, -378, -386, AND -388.
93- 159	D-04591-03	1062-1-62A-533	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-254 AND -255.
93- 160	D-04684-01	1003-401- 7- 35	SUPPORT MODIFICATIONS.	
93- 161	D-17667-04	1068-1-68- 2	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1068-1-68-003, -004 AND -006
93- 162	D-06034-10	1068-1-68- 80	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1068-1-68-093, -094 AND -096.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 163	92-15969-00	1001-555- 7- 5-2293	Added shim to obtain clearance for hanger H-555-7-5-2293	
93- 164	D-18401-02	1003-1-03A-203	SUPPORT MODIFICATIONS.	
93- 165	D-16157-01	1-ISLS-997 -0568	BASE METAL REPAIR	
93- 166	D-12664-01	1003-1-03A-408	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1003A-1-03A-424.
93- 167	D-04584-02	1062-1-62A- 21	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-A406-08-056.
93- 168	D-16449-33	1067-450-22-192	SUPPORT MODIFICATIONS.	
93- 169	D-06034-01	1068-1-68-115	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1068-1-68-416, -422, AND -426.
93- 170	D-06263-01	1068-1-68- 42	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1068-1-68-046 AND -047.
93- 171	D-16449-28	1067-450-22-1CJ- 1	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-1CJ-2, 1067-A450-22-1D0-8 AND 1067-A450-22-12-9.
93- 172	D-03351-01	1063-1-63-600	SUPPORT MODIFICATIONS.	
93- 173	D-04591-05	1062-1-62A-262	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1062-1-62A-269. -624, -625 AND 1062-A406-07-003.
93- 174	93-09574-00	1063-1-63- 11	REPLACED DAMAGED SNUBBER.	
93- 175	93-12581-00	1063-435- 8- 54	REPLACED CLAMPS	
93- 176	D-16449-17	1067-450-22- 61	SUPPORT MODIFICATIONS.	Also affects 1067-450-22-63.
93- 177	D-06181-02	1070-1-70-170	SUPPORT MODIFICATIONS.	
93- 178	D-16448-30	1067-450-22-173A	SUPPORT MODIFICATIONS.	
93- 179	D-16448-14	1067-450-22- 83	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-084 AND -090.
93- 180	D-16448-31	1067-450-22-142	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-179.
93- 181	D-16449-36	1067-450-22-137	SUPPORT MODIFICATIONS.	
93- 182	93-07399-00	1-HTX - 74 - 30A	REMOVED DIMPLE	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 183	D-04532-01	1003-1-03A-566	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003A-1-03A-567 AND 1003-A401-9-6.
93- 184	93-10472-00	1-HTX - 62 - 66	REPLACE SHELL TO BONNET FLANGE BOLTING.	
93- 185	D-04588-01	1062-406- 6- 64	DELETED SUPPORT.	
93- 186	D-04667-12	1063-63-1SIS-V145	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-63-1SIS-V163, -R177, AND -R243.
93- 187	D-16449-27	1067-450-22-150	SUPPORT MODIFICATIONS.	
93- 188	D-12673-01	1063-63-1SIS-R212	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1063-63-1SIS-R107, -R110, -V117, AND -V223.
93- 189	D-16449-32	1067-450-22- 8	SUPPORT MODIFICATIONS	
93- 190	92-22911-04	1-FCV - 63 - 172B	DRILLED PRESSURE RELIEF HOLE IN ONE DISC.	
93- 191	D-04637-01	1063-1-63-201	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-211 AND -226.
93- 192	D-04637-01	1063-1-63-549	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-533 AND -197.
93- 193	93-01377-00	1061-462- 8- 86	REPLACED PIPE CLAMP.	
93- 194	D-05636-01	1003-1-03A-423	DELETED SUPPORT.	
93- 195	D-04529-03	1068-1-68-363	SUPPORT MODIFICATIONS.	Also affects 1068-1-68-364.
93- 196	D-04521-01	1003-427- 3- 4	SUPPORT MODIFICATIONS	Also affects 1003-03B-1AFW-R195
93- 197	D-12671-01	1063-1-63-209	REPLACED TUBE STEEL	
93- 198	93-07531-00	1063-1-63-366	REPLACED REAR BRACKET.	
93- 199	D-17533-02	1070-1-70-170	REMOVED AND REPLACED STIFFENERS (ITEM 7 ON BILL OF MATERIAL)	
93- 200	D-16449-37	1067-450-22-139	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1067-A450-22-135 AND -136.
93- 201	D-04528-05	1003-1-03A-360	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1003A-1-03A-361.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

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NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT NUMBER	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 202	D-04632-09	1063-1-63- 20	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63- 33 AND 1063-1-63-454.
93- 203	D-04534-03	1003-1-03A-464	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1003B-1-03B-003, 1003B-A427-05-001, AND 1003B-1-03B-035.
93- 204	D-04520-02	1003-03B-1AFW-R182	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1003-A427-03-007.
93- 205	D-04536-02	1001-400- 6-277	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1001-A400-06-401, -257, AND -400.
93- 206	D-04592-07	1062-406- 9- 52	SUPPORT MODIFICATIONS.	
93- 208	D-03347-04	1067-450- 4- 54	ADDED ITEM 8 FROM BILL OF MATERIAL TO SUPPORT.	
93- 209	93-13313-01	1-FCV - 63 - 3	REPLACED VALVE DISK.	
93- 210	D-04537-02	1001-400- 6-130	SUPPORT MODIFICATIONS	ALSO AFFECTS 1015-A400-06-118 AND -119.
93- 211	D-04520-03	1003-427- 3- 8	REPLACED SNUBBER WITH STRUT.	
93- 212	D-05636-02	1003-401- 7- 30	REINSPECTED SUPPORT PER UNSATISFACTORY IS-M-90-07127.	
93- 213	D-16449-25	1067-450-22-133	SUPPORT MODIFICIATIONS.	ALSO AFFECTS 1067-A450-22-138.
93- 214	D-16449-26	1067-450-22-124	SUPPORT MODIFICIATIONS.	ALSO AFFECTS 1067-A450-22-125, -126, -127, -128, -129, -130, AND -131.
93- 215	08-16663-37	1-ACUM- 63 - 3	REMOVE RUST, CLEAN INTERIOR AND REPLACE MISSING OR DAMAGED BOLTING.	
93- 216	D-04529-12	1003-1-03A-488	REMOVED EXISTING SUPPORT AND REPLACED WITH NEW DESIGN.	
93- 217	D-06034-03	1068-465- 2- 66	NEW SUPPORT	ALSO AFFECTS 1068-A465-02-067, 1068-1-68-420, AND 1068-1-68-419.
93- 218	D-16449-34	1067-450-22-162	ADDED SHIM PLATES	
93- 219	D-16448-16	1067-450-22- 73	MODIFIED SUPPORTS	



WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 220	D-17533-13	1062-1-62A- 23	REMOE/REINSTALL SUPPORT	
93- 221	D-04683-03	1003-401- 7- 31	REMOVED AND REPLACED THE ENTIRE SUPPORT	
93- 222	D-05922-02	1074-1-74- 4	SUPPORT MODIFICATIONS	ALSO AFFECTS 1074-1-74-5 AND 1074-1-74-22.
93- 223	D-04633-03	1063-1-63- 47	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1063-1-63-72, 1063-1-63-83, AND 1063-A435-8-88.
93- 224	D-06012-01	1001-400- 1- 32	SUPPORT MODIFICATIONS.	
93- 225	D-04667-17	1063-435- 3- 4	ADDED WELD METAL BETWEEN ITEMS 1 AND 7	
93- 226	D-05792-01	1062-060-62- 65	INSTALLED NEW SUPPORT	
93- 227	D-04529-14	1003-401- 7- 12	INSTALLED NEW SUPPORT	
93- 228	93-03512-00	1-DRV - 3 - 501	INSTALLED NEW STEM ASSEMBLY IN VALVE (INCLUDES A NEW DISC)	DUPLICATE NUMBER ISSUED IN ERROR.
93- 228	D-04683-01	1003-1-03A-367	SUPPORT MODIFICATIONS	DUPLICATE NUMBER ISSUED IN ERROR.
93- 229	93-07819-00	1063-63-1SIS-R171	REPLACED BENT HANGER ROD	
93- 230	D-04632-15	1063-435- 5- 1	MODIFIED SUPPORTS	ALSO AFFECTS 1063-A435-7-54, 1063-A435-7-60, AND 1063-1-63-417.
93- 232	D-15640-01	1001-400-11- 38	INSTALLED NEW PIPE CLAMP AND WELDED LUG PLATES.	
93- 233	D-04689-02	1003-427- 5- 23	INSTALLED NEW SUPPORT	
93- 234	93-05733-00	1063-63-1SIS-R140	REPLACED RIGID STRUT.	
93- 235	93-05469-00	1062-1-62 - 38	ADDED SHIM PLATE BY WELDING.	
93- 236	D-04529-13	1003-401- 7- 11	INSTALLED NEW SUPPORT	
93- 237	D-15641-01	1001-400-11- 41	INSTALLED NEW PIPE CLAMP WITH LUG PLATES.	
93- 238	D-15643-01	1001-400-11- 52	INSTALLED NEW PIPE CLAMP WITH LUG PLATES.	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 239	D-04538-06	1001-400- 6-235	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-237, 1001-A400-6-238, AND 1001-A400-6-241.
93- 240	D-04633-05	1063-435- 9- 78	REMOVED AND REPLACED SUPPORT	
93- 241	D-19875-01	1001-400-11- 34	REBUILD SUPPORT TO NEW CONFIGURATION.	
93- 242	D-15639-01	1001-400-11- 37	MODIFIED SUPPORT	
93- 243	D-04514-01	1001-400- 6- 87	MODIFIED SUPPORTS	ALSO AFFECTS 1015-A400-6-91, 1015-A400-6-93, AND 1015-A400-6-94.
93- 244	93-15118-01	1063-1-63-453	REPLACED SNUBBER	
93- 245	D-06011-04	1001-1-01A-394	REMOVED ITEMS 2, 3, 4, AND 5 AND INSTALLED NEW ITEMS 2 AND 3.	
93- 246	D-06013-01	1001-400-11- 11	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-11-7 AND 1001-A400-11-114.
93- 247	93-04427-00	1-PMP - 62 - 104 -B	REPLACED U-BOLTS ON LUBE OIL PIPING	
93- 248	D-06009-01	1001-1-01A-302	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01A-300 AND 1001-A400-1-31.
93- 249	D-04612-01	1062-406- 3- 42	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-62-1CVC-R269 AND 1062-62-1CVC-R277
93- 250	D-12663-01	1074-1-74- 7	SUPPORT MODIFICATIONS	ALSO AFFECTS 1074-1-74- 20.
93- 251	93-06110-00	1-RFV - 62 - 649	REPLACED BOLTING.	
93- 252	D-06016-01	1001-400-11- 18	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1001-A400-11-19, -20, -21, -23, AND -24.
93- 253	D-06013-03	1001-400-11- 2	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1001-A400-11-4.
93- 254	D-15642-01	1001-400-11- 45	SUPPORT MODIFICATIONS.	
93- 255	D-04528-07	1003-1-03A-363	SUPPORT MODIFICATIONS.	Also affects 1003-1-03A-364
93- 256	D-04528-03	1003-1-03A-365	SUPPORT MODIFICATIONS.	
93- 257	93-12961-00	1003-401- 9- 5	REPLACED SNUBBER	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 258	D-04538-03	1001-400- 6-199	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400- 6-200 AND 1001-A400-6-202.
93- 259	D-16283-01	1063-435- 3- 6	REPLACED ANCHORS, BASEPLATE AND STRUT END ATTACHMENT.	
93- 260	D-04538-01	1001-400- 6-188	SUPPORT MODIFICATIONS	ALSO AFFECTS 100-A400-6-211
93- 262	93-01285-00	1068-1-68- 33	REPLACED SNUBBER	
93- 264	D-04534-05	1003-1-03A-447	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03A-449, -550, AND -552.
93- 265	D-06010-01	1001-1-01A-342	SUPPORT MODIFICATIONS	
93- 266	D-12673-02	1063-63-1SIS-V139	REPLACED 3/8 PLATE WITH THICKER PLATE	
93- 267	D-16463-06	1072-437- 1- 26- 2	REMOVED SUPPORTS	ALSO AFFECTS 1072-A437-1-26-3
93- 268	D-04514-03	1001-400- 6- 78	SUPPORT MODIFICATIONS.	ALSO AFFECTS 1001-A400-6-399, AND 1001-A400-6-79.
93- 269	D-04634-09	1063-1-63-397	SUPPORT MODIFICATIONS.	
93- 270	93-01288-00	1062-435- 3- 74	REPLACED SNUBBER	
93- 271	D-06009-04	1001-1-01 -309	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01-312 AND -315.
93- 272	D-06010-03	1001-1-01 -341	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01-343, -345, AND -346.
93- 273	D-06034-11	1068-1-68-427	SUPPORT MODIFICATIONS	
93- 274	D-06363-03	1068-1-68- 11	SUPPORT MODIFICATIONS	ALSO AFFECTS 1068-1-68-15, -38, AND -40.
93- 275	D-16456-39	1031-915- 8- 14	SUPPORT MODIFICATIONS	
93- 276	D-04529-07	1003-1-03 -498	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03-499, -500, AND -502.
93- 277	D-04591-24	1062-406- 7-137	SUPPORT MODIFICATIONS	
93- 278	D-06009-05	1001-1-01A-317	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01A-318

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT NUMBER	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 279	D-06015-01	1001-400-11- 27	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-11-29, -31, AND -32.
93- 280	D-21328-10	1062-1-62A-366	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-345, -325, AND -536
93- 281	D-04538-07	1001-400- 6-179	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400- 6-245, -248, AND -249.
93- 282	D-12669-02	1063-1-63-159	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-526.
93- 283	D-20758-02 K2	1003-1-03A-482	SUPPORT MODIFICATIONS	
93- 284	D-04602-08	1062-060-62- 19	SUPPORT MODIFICATIONS	
93- 285	D-06009-03	1001-1-01A-305	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01A-306 AND -308
93- 286	D-05709-06 K1	1074-74-1RHR-R 58	SUPPORT MODIFICATIONS	
93- 287	D-04534-01 K4	1003-1-03A-456	SUPPORT MODIFICATIONS	
93- 288	D-04534-01 K3	1003-1-03A-455	SUPPORT MODIFICATIONS	
93- 289	D-04534-01 K2	1003-1-03A-454	SUPPORT MODIFICATIONS	
93- 290	D-16152-06	2062-62-2CVC-R 18	SUPPORT MODIFICATIONS	ALSO AFFECTS 2062-A406- 1- 19
93- 291	D-04529-04 K2	1003-1-03A-484	SUPPORT MODIFICATIONS	
93- 292	D-20761-06 K3	1063-63-1SIS-R227	SUPPORT MODIFICATIONS	
93- 293	D-20761-06 K5	1074-432- 1- 31	SUPPORT MODIFICATIONS	
93- 294	D-20761-05	1063-63-1SIS-R131	SUPPORT MODIFICATIONS	
93- 295	D-20761-05	1063-63-1SIS-R137	SUPPORT MODIFICATIONS	
93- 296	D-20761-05 K3	1063-63-1SIS-R161	SUPPORT MODIFICATIONS	
93- 297	D-05709-02 K3	1063-63-1SIS-R 21	SUPPORT MODIFICATIONS	
93- 298	D-04632-10	1063-1-63- 25	SUPPORT MODIFICATIONS	
93- 299	D-06000-01	1068-465- 1- 53	SUPPORT MODIFICATIONS	ALSO AFFECTS 1068-A465-1-62.

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 300	93-04190-00	1-VLV -512 -A6247	REPLACED THE STEM AND DISC ASSEMBLY ON A SPARE VALVE AND RECHECKED IT INTO STOREROOM.	
93- 301	93-04190-00	1-VLV -512 -A6249	REPLACED THE STEM AND DISC ASSEMBLY ON A SPARE VALVE AND RECHECKED IT INTO STOREROOM.	
93- 302	D-04535-02 K4	1003-1-03A-417	SUPPORT MODIFICATIONS	
93- 303	D-21328-19	1074-74-1RHR-R 4	SUPPORT MODIFICATIONS	NIS-2 is stamped with WP number D-04592-04 but has the number D-21328-19 written in line 2. The NIS-2 is contained in WP D-21328-19 in the vault. We have not been able to determine how the workplan number D-04592-04 came to be stamped on the NIS-2.
93- 304	D-04683-06	1003-401- 7- 32	SUPPORT MODIFICATIONS	
93- 305	93-15887-01	1003-03B-1AFW-R194	SUPPORT MODIFICATIONS	
93- 306	D-05792-11	1068-1-68- 22	SUPPORT MODIFICATIONS	
93- 307	D-06009-06	1001-1-01A-313	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01A-307
93- 308	D-04529-11	1003-1-03A-480	SUPPORT MODIFICATIONS	
93- 309	D-06263-02	1068-1-68- 29	SUPPORT MODIFICATIONS	ALSO AFFECTS 1068-1-68-57.
93- 310	D-04537-04	1001-400- 6-159	SUPPORT MODIFICATIONS	ALSO AFFECTS 1015-A400-6-160 AND 1015-A400-6-162.
93- 311	D-12667-01	1062-1-62A-380	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-352, 1062-1-62A-559, AND 1062-1-62A-381.
93- 312	D-04667-02	1063-63-1SIS-R113	SUPPORT MODIFICATIONS	
93- 313	D-05922-01	1074-1-74- 2	SUPPORT MODIFICATIONS	ALSO AFFECTS 1074-1-74-6, 1074-1-74-8, 1074-1-74-11, AND 1074-1-74-23.
93- 314	D-04537-09	1001-400- 6-174	SUPPORT MODIFICATIONS	
93- 315	D-20758-02 K1	1003-1-03A-374	SUPPORT MODIFICATIONS	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 316	D-20758-02 K3	1003-1-03A-487	SUPPORT MODIFICATIONS	
93- 318	D-04633-02	1063-1-63-496	SUPPORT MODIFICATIONS	
93- 319	D-04529-03	1003-03B-1AFW-R238	SUPPORT MODIFICATIONS	
93- 320	D-06013-02 K1	1001-400-11- 8	SUPPORT MODIFICATIONS	
93- 321	D-06013-02 K5	1001-400-11-113	SUPPORT MODIFICATIONS	
93- 322	D-06108-01 K3	1070-1-70- 16	SUPPORT MODIFICATIONS	
93- 323	D-06108-01 K2	1070-1-70- 12	SUPPORT MODIFICATIONS	
93- 324	D-06108-01 K1	1070-1-70- 1	SUPPORT MODIFICATIONS	
93- 325	D-04514-02 K1	1001-400- 6- 66	SUPPORT MODIFICATIONS	
93- 326	D-21328-02	1001-400- 6- 87	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-85, 1001-A400-6-118, 1001-A400-6-191, 1001-A400-6-199, AND 1001-A400-6-196.
93- 327	93-08501-00	1063-63-1SIS-V134	SUPPORT MODIFICATIONS	
93- 328	D-21328-04 K1	1001-1-01A-424	SUPPORT MODIFICATIONS	
93- 329	D-21328-16	1068-1-68- 22	SUPPORT MODIFICATIONS	
93- 330	D-21328-16	1068-1-68- 31	SUPPORT MODIFICATIONS	
93- 331	D-21328-16	1068-1-68- 36	SUPPORT MODIFICATIONS	
93- 333	D-04634-01	1063-1-63-390	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-392, -398, AND -399.
93- 334	D-04534-04 K4	1003-1-03A-468	SUPPORT MODIFICATIONS	
93- 335	D-04534-04 K3	1003-1-03A-467	SUPPORT MODIFICATIONS	
93- 336	D-04534-04 K2	1003-1-03A-465	SUPPORT MODIFICATIONS	
93- 337	D-04534-04 K5	1003-1-03A-469	SUPPORT MODIFICATIONS	
93- 338	D-04531-01 K4	1003-1-03A-543	SUPPORT MODIFICATIONS	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
93- 339	D-04537-10	1001-400- 6-122	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-126 AND -132.
93- 340	92-22888-00	1001-400- 6-103	REPLACE TURNBUCKLES	ALSO AFFECTS 1015-A400- 6-184.
93- 341	D-05709-02 K5	1074-74-1RHR-R 4	SUPPORT MODIFICATIONS	
93- 342	D-05792-11	1068-1-68- 30	SUPPORT MODIFICATIONS	
93- 343	D-05792-11	1068-1-68- 25	SUPPORT MODIFICATIONS	
93- 344	D-05792-11	1068-1-68- 41	SUPPORT MODIFICATIONS	
93- 345	D-05792-11	1068-1-68- 18	SUPPORT MODIFICATIONS	
93- 346	D-04537-03 K2	1001-400- 6-133	SUPPORT MODIFICATIONS	
93- 347	D-04537-03	1001-400- 6-128	SUPPORT MODIFICATIONS	
93- 348	D-21328-12 K2	1062-62-1CVC-R102	SUPPORT MODIFICATIONS	
93- 349	D-21328-03 K3	1001-1-01A-313	SUPPORT MODIFICATIONS	
93- 350	D-21328-03 K2	1001-1-01A-348	SUPPORT MODIFICATIONS	
93- 351	93-16588-01	1001-1-01A-427	REPLACED LOWER BOLT OF 3 BOLT PIPE CLAMP OF ITEM #5.	
93- 352	D-04538-04	1001-400- 6-216	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-224, 1001-A400-6-220, AND 1001-A400-6-218.
93- 353	D-16456-43	1031-915- 8- 9	SUPPORT MODIFICATIONS	
93- 354	93-13586-00	1003-1-03B- 11	REPLACE BOLTING MATERIAL (ITEM #5)	
93- 355	D-12667-03 K1	1062-1-62A-366	SUPPORT MODIFICATIONS	
93- 356	D-12667-03 K4	1062-1-62A-349	SUPPORT MODIFICATIONS	
93- 357	D-04538-02	1001-400- 6-195	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-197 AND 1001-A400-6-098.
93- 358	D-04667-08	1063-63-1SIS-R220	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-63-1SIS-R221, -R224, -R227, -R215, AND -R214.
93- 359	D-04537-03	1001-400- 6-139	SUPPORT MODIFICATIONS	

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
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93- 360	D-04534-06	1003-1-03A-442	MODIFIED SUPPORTS	ALSO AFFECTS 1003-1-03A-443, -444, AND -445.
93- 361	93-15738-04	1003-03B-1AFW-R102	ADDED SHIM PLATE BY WELDING TO OBTAIN PROPER GAP	
93- 362	D-04528-06	1003-03B-1AFW-R236	SUPPORT MODIFICATIONS	
93- 363	D-04528-06	1003-1-03A-377	SUPPORT MODIFICATIONS	
93- 364	D-12667-02	1062-1-62A-383	SUPPORT MODIFICATIONS	ALSO AFFECTS 1062-1-62A-353, -354, -377, -382, AND -562.
93- 365	D-04537-07	1001-400- 6-125	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-152 AND -175.
93- 366	D-04529-05	1001-1-03A-487	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03A-489.
93- 367	D-13991-01	1003-401- 7- 30	SUPPORT MODIFICATIONS	
93- 368	D-13991-01	1001-1-01A-349	SUPPORT MODIFICATIONS	
93- 369	D-13991-01	1001-1-01A-347	SUPPORT MODIFICATIONS	
93- 370	D-17533-14	1062-1-62A- 63	SUPPORT MODIFICATIONS	
93- 371	D-04729-02	1062-406-17- 2	SUPPORT MODIFICATIONS	
93- 372	D-04514-02 K3	1001-400- 6- 73	SUPPORT MODIFICATIONS	
93- 373	D-04514-02	1001-400- 6- 76	SUPPORT MODIFICATIONS	
93- 374	D-21328-20	1074-1-74- 8	SUPPORT MODIFICATIONS	ALSO AFFECTS 1074-1-74-7, -20, 1074-74-1RHR-R192, -R197, -R194, -R196, AND -R190.
93- 375	D-21328-01	1001-400- 6-123	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-126, -197, -198, -200, AND -259.
93- 376	D-03662-01	1001-1-01A-383	SUPPORT MODIFICATIONS	
93- 377	D-04632-08 K1	1063-1-63-461	SUPPORT MODIFICATIONS	
93- 378	D-04632-08 K2	1063-1-63-463	SUPPORT MODIFICATIONS	
93- 379	D-04632-08 K4	1063-1-63-465	SUPPORT MODIFICATIONS	



WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440  
=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
93- 380	D-04632-08 K5	1063-1-63-468	SUPPORT MODIFICATIONS	
93- 381	D-04528-04	1003-03B-1AFW-R127	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-03B-1AFW-R129 AND 1003-03B-1AFW-R208
93- 382	D-11420-01	1003-03B-1AFW-R237	SUPPORT MODIFICATIONS	
93- 383	D-04536-01 K1	1001-400- 6-275	SUPPORT MODIFICATIONS	
93- 384	D-00607-01	1062-1-62A- 22	SUPPORT MODIFICATIONS	
93- 385	D-04667-01	1063-060-63- 2	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-A060-63-5, -9, -12, -14, 1063-A435-3-4, AND 1063-63-1SIS-R123.
93- 386	D-04640-02	1063-1-63-315	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-A435-6-52
93- 387	D-04536-01 K5	1001-400- 6-271	SUPPORT MODIFICATIONS	
93- 388	D-04536-01 K4	1001-400- 6-281	SUPPORT MODIFICATIONS	
93- 389	D-04536-01 K2	1001-400- 6-268	SUPPORT MODIFICATIONS	
93- 390	D-04534-04	1003-1-03A-472	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-A401-7-9
93- 391	D-16152-05 K4	2062-62-2CVC-R 17	SUPPORT MODIFICATIONS	
93- 392	D-12667-03 K2	1062-1-62A-355	SUPPORT MODIFICATIONS	
93- 393	D-21328-04 K3	1001-1-01A-435	SUPPORT MODIFICATIONS	
93- 394	D-04632-27	1063-1-63- 10	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-12.
93- 395	D-05709-08 K4	1074-74-1RHR-R219	SUPPORT MODIFICATIONS	
93- 397	D-05709-08 K2	1074-74-1RHR-R136	SUPPORT MODIFICATIONS	
93- 398	D-05709-08 K1	1074-74-1RHR-R135	SUPPORT MODIFICATIONS	
93- 399	D-04536-04	1001-400- 6-284	SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-A400-6-281, -283, AND -286.
400	92-12752-00	1063-435- 8- 56	REPLACED CLAMPS	
93- 401	D-04667-04	1063-63-1SIS-R138	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-63-1SIS-R141, -R144, -R147, AND -R148

WBN - ASME Section XI Repair/Replacement Program  
Index of NIS-2s Being Transmitted - Volume I  
Tracking Numbers 92-185 through 93-440

=====

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
93- 402	D-06015-03	1001-400-11- 29	SUPPORT MODIFICATIONS	
93- 403	D-04632-28	1063-1-63-458	REWORKED PER DCN P-04632-B	
93- 404A	D-23449-01	1-PDO - 8 - 20	PIPE WHIP RESTRAINT	
93- 405	D-21328-03	1001-1-01A-308	SUPPORT MODIFICATIONS	
93- 407	D-04537-08	1001-400- 6-143	SUPPORT MODIFICATIONS	DUPLICATE TRACKING NUMBER ISSUED IN ERROR. ALSO AFFECTS 1001-A400-6-149 AND 1001-A400-6-151.
93- 407	D-06013-02 K2	1001-400-11- 13	SUPPORT MODIFICATIONS	DUPLICATE TRACKING NUMBER ISSUED IN ERROR.
93- 408	D-06180-02	2070-70-2CC-R 48	SUPPORT MODIFICATIONS	
93- 409	D-04667-02 K4	1063-63-1SIS-R112	SUPPORT MODIFICATIONS	
93- 410	D-04667-02 K3	1063-63-1SIS-R111	SUPPORT MODIFICATIONS	
93- 411	D-04667-02 K1	1063-63-1SIS-R105	SUPPORT MODIFICATIONS	
93- 412	D-04535-01	1003-1-03A-401	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03B- 53, 1003-A401-8-1 AND 1003-1-03A-420.
93- 413	D-04528-10	1003-1-03A-380	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03A-381 AND 1003-1-03A-382.
93- 414	D-27585-05	1063-1-63-200	SUPPORT MODIFICATIONS	
93- 415	D-21328-21 K2	1074-74-1RHR-R 6	SUPPORT MODIFICATIONS	
93- 416	93-26786-00	1061-462-12- 2	SUPPORT MODIFICATIONS	
93- 417	D-04529-04	1003-1-03A-483	SUPPORT MODIFICATIONS	ALSO AFFECTS 1003-1-03A-486 AND 1003-1-03A-485.
93- 418	D-04632-26	1063-1-63- 6	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-8.
93- 419	D-04632-07	1063-1-63- 31	SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-444, -453, -455, AND -456.
93- 420	D-21328-21 K3	1074-74-1RHR-R 3	SUPPORT MODIFICATIONS	

05/16/96

WBN - ASME Section XI Repair/Replacement Program  
 Index of NIS-2s Being Transmitted - Volume I  
 Tracking Numbers 92-185 through 93-440

NIS-2 TRACKING NUMBER	WORK IMPLEMENTING DOCUMENT	AFFECTED COMPONENT	DESCRIPTION OF REPAIR/REPLACEMENT	COMMENTS
=====	=====	=====	=====	=====
93- 421	D-23449-02	1-PDO - 8 - 21	PIPE WHIP RESTRAINT MODIFICATIONS	
93- 422	D-23449-03	1001-1-01A-432	PIPE SUPPORT MODIFICATIONS	ALSO AFFECTS PIPE WHIP RESTRAINT 1-PDO-7-50.
93- 423	D-05621-01 K1	1072-72-1CS-R 17	PIPE SUPPORT MODIFICATIONS	
93- 424	D-27585-08	1063-1-63-525	PIPE SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-524.
93- 425	D-04632-05	1063-1-63- 1	PIPE SUPPORT MODIFICATIONS	ALSO AFFECTS 1063-1-63-2
93- 426	D-27585-03	1063-1-63-470	PIPE SUPPORT MODIFICATIONS	
93- 427	D-23449-04	1-PDO - 7 - 51	PIPE WHIP RESTRAINT MODIFICATIONS	
93- 428	D-15892-16	1062-406- 7- 89	PIPE SUPPORT MODIFICATIONS	
93- 429	D-21328-05 K1	1003-1-03A-450	PIPE SUPPORT MODIFICATIONS	
93- 430	D-23990-03	1077-482- 1- 7	PIPE SUPPORT MODIFICATIONS	
93- 431	D-04515-06 K3	1001-400- 7- 44	PIPE SUPPORT MODIFICATIONS	
93- 432	D-04515-06 K2	1001-400- 7- 38	PIPE SUPPORT MODIFICATIONS	
93- 433	D-05709-06 K5	1074-74-1RHR-R 94	PIPE SUPPORT MODIFICATIONS	
93- 434	D-03206-40	1-RADS-997 - 100	PIPE SUPPORT MODIFICATIONS	
93- 435	93-23421-00	1063-1-63-454	REPLACED THE LOWER SNUBBER	
93- 436	D-04528-02	1003-1-03A-369	PIPE SUPPORT MODIFICATIONS	
93- 437	D-04522-01	1003-1-03A-200	PIPE SUPPORT MODIFICATIONS	
93- 438	D-04522-01	1003-1-03A-201	PIPE SUPPORT MODIFICATIONS	
93- 439	D-21328-15	1068-1-68- 18	PIPE SUPPORT MODIFICATIONS	
93- 440	D-06011-03	1001-1-01A-382	PIPE SUPPORT MODIFICATIONS	ALSO AFFECTS 1001-1-01A-384 AND -385.

JUL 21 1992

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

1. Owner TVA  
Name

Date 7/20/92

400 W. SUMMIT HILL DR., KNOXVILLE, TN  
Address

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1 WP-D16449-03

P.O. BOX 2000, SPRING CITY, TN 37381  
Address

TVA, WP-D16449-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MOD. MECH  
Name

Type Code Symbol Stamp N/A

P.O. BOX 2000, SPRING CITY, TN 37381  
Address

Authorization No. ASL 7/20/92

Expiration Date

4. Identification of System ERCW 067

5. (a) Applicable Construction Code AISC. STEEL CONST. MANUAL, 7TH EDITION 10 Edition, N/A ASL 7/20/92 Addenda, N-308 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A ASL 7/20/92

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1067-A450-22-44	TVA	1067-A450 22-44	NONE	NONE	1992	<del>DELETED</del> <sup>REPLACEMENT</sup>	NO
PIPE SUPPORT 1067-A450-22-45	TVA	1067-A450 22-45	NONE	NONE	1992	<del>DELETED</del> <sup>REPLACEMENT</sup>	NO
<del>N/A ASL 7/20/92</del>							

7. Description of Work ABOVE PIPE SUPPORTS WERE DELETED.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A ASL 7/20/92

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.

FILE COPY

WP# D-16449-03 SHEET 2 OF 2

FORM NIS-2 (Back)

9. Remarks SEE BLOCIC NO. 7 FOR BOTH ITEMS.

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-185 8/7/2/192

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this DELETION conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ASI 7/20/92

Certificate of Authorization No. N/A ASI 7/20/92 Expiration Date N/A ASI 7/20/92

Signed [Signature] MODS PE Date 7/20/ 1992  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

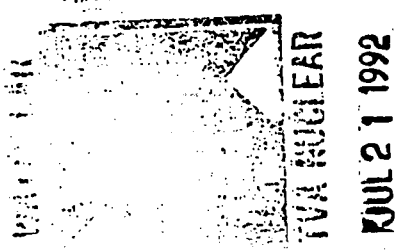
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 4/8/96 to 4/8/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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] B. Eamigh Commissions TN. 2534  
4/8/96 Inspector's Signature National Board, State, Province, and Endorsements

Date 4/8/96 1996

(12/82)



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

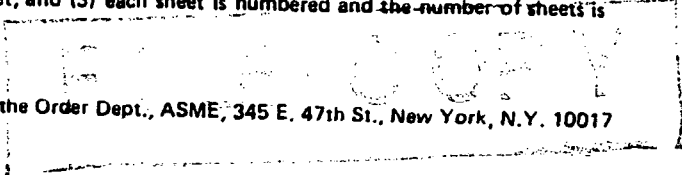
1. Owner Tennessee Valley Authority Date 7-23-92  
Name  
Nuclear Power Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000 Spring City, Tn. WP D-04666-03  
Address Repair Organization P.O. No., Job No., etc. 90  
Address 4/2/96
3. Work Performed by TVA Type Code Symbol Stamp  
Name Authorization No. N/A R3 7-23-92  
P.O. Box 2000 Spring City, Tn. Expiration Date  
Address
4. Identification of System 63/SIS
5. (a) Applicable Construction Code AISC 19 73 Edition, June 1973 Addenda, N/A R3 7-23-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-63-1SIS-R57</u>	<u>N/A</u>	<u>R3 7-23-92</u>		<u>DCA</u> <u>P04666-67-1</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A R3 7-23-92</u>							

7. Description of Work Replaced items 1, 2, 3, 4
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A R3 7-23-92

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.



3A Page 4

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-186 of 7/23/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NIA RS 7-23-92

Certificate of Authorization No. NIA RS 7-23-92 Expiration Date NIA RS 7-23-92

Signed Ron Brudlow Date 7-23, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HEP ILL CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 8/15/92 to 8/15/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eason Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/15/92 19 \_\_\_\_\_

JUL 24 1992

68 CONT ON 176C  
8-84

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

1. Owner TVA  
Name  
NUC. PWR.  
Address

Date 7-24-92  
Sheet 1 of 1

2. Plant WBNP  
Name  
P.O. Box 2000, SPRING CITY, TN. 37381  
Address

Unit 1  
W.P. D-16473-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH. MODS. (WBNP)  
Name  
P.O. Box 2000, SPRING CITY, TN. 37381  
Address

Type Code Symbol Stamp NA DC 7-24-92  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System DEMIN. WATER 059

5. (a) Applicable Construction Code AISC 19 73 Edition, JUN 1973 Addenda, NA DC 7-24-92 Code Case TVA CL-8  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1059-A492-1-21</u>		<u>NA DC 7-24-92</u>		<u>DCA-M 16473-16</u>			

7. Description of Work DELETE SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure NA DC 7-24-92 PSI • Test Temp. \_\_\_\_\_ °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FILE COPY



pg 6 c cont on pg 7  
8892



FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING Num 92-187 July 7/24/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this DELETION conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA DC 7-24-92

Certificate of Authorization No. NA DC 7-24-92 Expiration Date NA DC 7-24-92

Signed Del Coseland Date 7-24, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

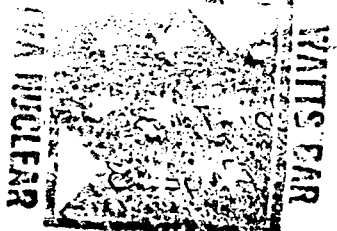
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 4/8/96 to 4/8/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eumigh Commissions TN 2534  
Boiler 4/8/96  
NA Code 7/24/92 Inspector's Signature National Board, State, Province, and Endorsements

Date 4/8/96 19 96

JUL 27 1992



PAGE 2A, CONT. ON PAGE 2B  
3  
BC 7/27/92

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 7/24/92  
Name  
NUCLEAR POWER Sheet 1 of       
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO. BOX 2000, SPRING CITY, TN. WP D-06011-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp BC  
Name Authorization No. N/A 7/24/92  
PO. BOX 2000, SPRING CITY, TN. Expiration Date       
Address
4. Identification of System CO1 / MAIN STEAM
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1001A-1-01A-381				DCA K-06011-02-00			
1001A-1-01A-386				DCA K-06011-18-0			
1001A-1-01A-387				DCA K-06011-21-0			
<u>N/A BC 7/24/92</u>							

7. Description of Work REMOVED SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure      psi Test Temp.      °F  
N/A BC 7/24/92

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.

CONT FROM PAGE 2A  
PAGE 3, CONT. ON PAGE 4

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturers Data Reports to be attached  
TRACKING NUMBER 92-189 7/24/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A BC 7/24/92

Certificate of Authorization No. N/A BC 7/24/92 Expiration Date N/A BC 7/24/92

Signed Bob Collins Date 7/24, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

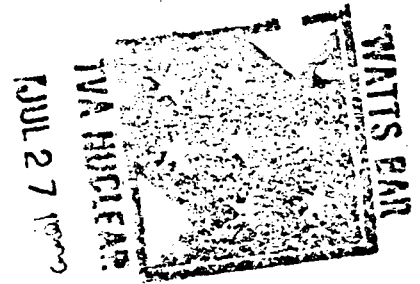
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFC of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/21/92 to 7/21/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnright Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/21/92 19 \_\_\_\_\_



PAGE 6 CONT ON PAGE 7  
 7/28/92

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 7-27-92  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN  
Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN 37771 WP-D-04641-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 2000 SPRING CITY TN 37771 Expiration Date N/A  
Address
4. Identification of System (63) S.I.S
5. (a) Applicable Construction Code AISC 19 73 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 - WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-293	N/A	N/A	N/A	DCA-P04641-11-0 DCA-P04641-12-0	NA	REPLACEMENT	NO
1063-1-63-298	N/A	N/A	N/A	DCA-P04641-13-0	NA	REPLACEMENT	NO
1063-1-63-306	N/A	N/A	N/A	DCA-P04641-14-0	NA	REPLACEMENT	NO
1063-1-63-307	N/A	N/A	N/A	DCA-P04641-15-0	NA	REPLACEMENT	NO

7. Description of Work INSTALLED MODIFIED COMPONENT SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

PAGE 6A CONT ON PAGE 7

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-190 by 7/27/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

Certificate of Authorization No.

NAAP 7-27-92  
Expiration Date

Signed

Joseph E. Davis  
Owner or Owner's Designee, Title

Date

7-27

19

92

CERTIFICATE 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 I & C of Hartford, CT have inspected the components described in this Owner's Report during the period 10-24-91 to 9-26-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Hester  
Inspector's Signature

Commissions

TN2533, NB9774 N, I, A  
National Board, State, Province, and Endorsements

Date

9-26-92

19

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

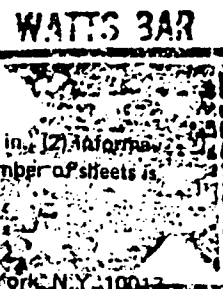
1. Owner TVA Name \_\_\_\_\_ Date 7/25/92  
400 W. SUMMIT HILL DR., KNOXVILLE, TN Address \_\_\_\_\_ Sheet 1 of 2  
 2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit L WP-D-16449-02  
P.O. BOX 2000, SPRING CITY, TN 37381 Address \_\_\_\_\_ TVA, WP-D-16449-02 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA MODS MECH Name \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
P.O. BOX 2000, SPRING CITY, TN 37381 Address \_\_\_\_\_ Authorization No. \_\_\_\_\_  
 Expiration Date N/A ASME 7/25/92  
 4. Identification of System ERCW 067  
 5. (a) Applicable Construction Code AISC Edition N/A ASME 7/25/92 Addenda N-308 Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A ASME 7/25/92

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built <i>ASME 7/25/92</i>	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1067-A450-22-38	TVA	1067-A450-22-38	NONE	NONE	1992	REPLACEMENT DELETED	NO
PIPE SUPPORT 1067-A450-22-43	TVA	1067-A450-22-43	NONE	NONE	1992	REPLACEMENT DELETED	NO
<i>N/A ASME 7/25/92</i>							

7. Description of Work ABOVE SUPPORTS WERE REMOVED.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A ASME 7/25/92



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.

FILE COPY

TVA NUCLEAR  
JUL 25 1992



FORM NIS-2 (Back)

9. Remarks SEE BLOCK NO.7 FOR BOTH ITEMS.

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-191 29 7/27/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this DELETION conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ASI 7/25/92  
Certificate of Authorization No. N/A ASI 7/25/92 Expiration Date N/A ASI 7/25/92  
Signed Amel P. Fay MODS PE Date 7/25/ 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by USE I I I of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/7/92 to 3/7/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

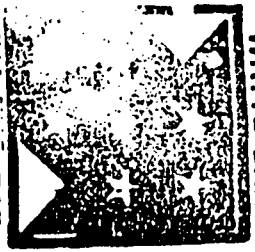
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

B. Farnish Commissions TN 4559  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/7/92 19 \_\_\_\_\_

JUL 28 1992

TVA NUCLEAR



WATTS BAR

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMIT HILL DRIVE, KNOXVILLE TN.  
Address

Date 7-27-92

Sheet 3A of \_\_\_\_\_

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN.  
Address

Unit 1

WP# D-04617-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA (MECH MODS)  
Name  
P.O. Box 2000 SPRING CITY, TN.  
Address

Type Code Symbol Stamp NA COM 7/27/92

Authorization No. NA COM 7/27/92

Expiration Date NA COM 7/27/92

4. Identification of System CVCS / 062

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 WINTER, 1981 ADDENDA

8. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
62-ICVC-R2D1	TVA	NONE	NONE	DCA- P04617-03	UNK	REPLACEMENT	NO
47A406-2-43	TVA	NONE	NONE	DCA- P04617-02	UNK	REPLACEMENT	NO

7. Description of Work MODIFY SUPPORTS BY ADDING ADDITIONAL 3x3x3/8

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure NA psi Test Temp. \_\_\_\_\_ °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 8 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks WP D04617-01  
TRACKING NUMBER 92-192 by 7/28/92  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Charles Mudd Date JULY, 27, 19 92  
Owner or Owner's Designee, Title

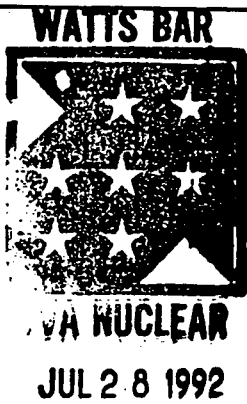
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB III Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 11/6/92 to 11/6/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earnings Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/6 19 92





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

1. Owner TVA  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Date 8-5-92  
Sheet 1 of 1

TVA NUCLEAR  
AUG 14 1992

2. Plant Watts Bar Nuclear Plant  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Unit 1  
WP D-04666-06  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
PO Box 2000 Spring City, Tn.  
Address

Type Code Symbol Stamp NIA RB 8-5-92  
Authorization No. NIA RB 8-5-92  
Expiration Date NIA RB 8-5-92

4. Identification of System Safety Injection System 63

5. (a) Applicable Construction Code AISC 1973 Edition, June, 1973 Addenda, MA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980-Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-63-1515-R82</u>	<u>NIA</u>	<u>NIA</u>	<u>NIA</u>	<u>DCA-P04666-21-0</u>	<u>NIA</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work MODIFIED SUPPORT (REPLACED EXISTING ITEMS WITH NEW ITEMS)

8. Tests Conducted: ~~Hydrostatic  Pneumatic  Nominal Operating Pressure~~   
~~Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NIA RB 8-5-92~~

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.



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-193 by 8/6/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A RB 8-5-92

Certificate of Authorization No.

Expiration Date

Signed

Ros Brudlow

Owner or Owner's Designee, Title

Date 8-5

19 92

CERTIFICATE 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 I & I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 10-2-91 to 10-8-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

TN 2533

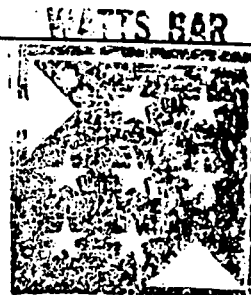
National Board, State, Province, and Endorsements

Date

10-8

19 92

(12/82)



TVA NUCLEAR

AUG 1 4 1992

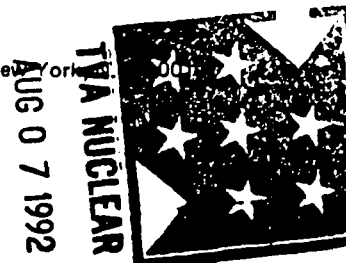
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TVA Name TVA Date 8-6-92  
P.O. Box 2000 Spring City, Tn. Address P.O. Box 2000 Spring City, Tn. Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name WATTS BAR NUCLEAR PLANT Unit 1  
P.O. Box 2000 Spring City, Tn. Address WP D-04666-04 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Name TVA Type Code Symbol Stamp NIA B 8-6-92  
P.O. Box 2000 Spring City, Tn. Address P.O. Box 2000 Spring City, Tn. Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_
4. Identification of System Safety Injection System 63
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 - WINTER 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-63-ISIS-R63</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P-04666-07-1</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work Added new item (stiffener plates) to support.
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A AS 8-6-92 °F

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



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-194 by 8/7/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A RB 8-6-92

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Ron Brudman Date 8-6, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

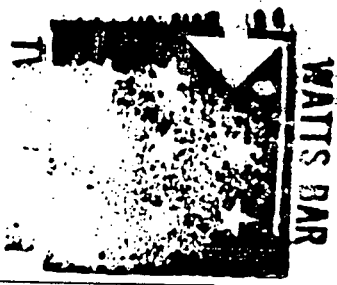
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/20/92 to 10/20/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Emery Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/20, 19 92

JUL 31 1992



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 7-31-92  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
PO Box 2000, SPRING CITY, TN 37771  
Address

Unit 1  
W P D-16449-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP)  
Name  
PO Box 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp NIA 8/11/92  
Authorization No. NA 8/11/92  
Expiration Date NA 8/11/92

4. Identification of System ERCW (067)  
AISC STEEL CONSTRUCTION MANUAL, 7<sup>th</sup> EDITION

5. (a) Applicable Construction Code 1977 Edition, ASME 7-31-92 Addenda, Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1067-A456-22-31	TVA	NONE	NONE	UNID 1067-A456-22-31		REPLACEMENT	NO
SUPPORT 1067-A456-22-41	TVA	NONE	NONE	UNID 1067-A456-22-41		REPLACEMENT	NO

7. Description of Work REMOVED DELETED SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA 8/11/92  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FILE COPY

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-19486 of 8/11/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halley PROJ ENGR Date July 31 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 4/8/96 to 4/8/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

4/8/96 B. Earmigh  
MIA 506 2/13/92 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/8/96 19 \_\_\_\_\_

(12/82)



JUL 3 1 1992

WP D-16449-04  
Page 6A cont. of Page 7



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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 7-31-92

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1

PO BOX 2000, SPRING CITY, TN 37771 Address WP 12-110449-05 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY (S.B.P.) Name Type Code Symbol Stamp \_\_\_\_\_

PO BOX 2000, SPRING CITY, TN 37771 Address Authorization No. NA 8/12/92 Expiration Date \_\_\_\_\_

4. Identification of System ERCW (LOW) AIX STEEL CONSTRUCTION MANUAL, 7<sup>TH</sup> EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 90

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT							
<u>1207-A450-22-39</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1207-A450-22-39</u>		<u>REPLACEMENT</u>	<u>NO</u>
SUPPORT							
<u>1207-A450-22-42</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1207-A450-22-42</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>NO</u>
SUPPORT							
<u>1207-A450-22-194</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1207-A450-22-194</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REMOVED DELETED SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA 8/12/92

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.



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-195 by 8/12/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halley, PROJECT ENGR Date JULY 31, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I I I CO of

have inspected the components described in this Owner's Report during the period 7/2/92 to 7/2/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

IS Carroll

Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date 7/2/92 19

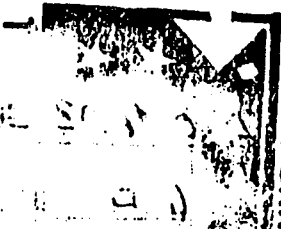
WATTS BAR

JUL 31 1992

NO D-10209-05

BA

JUL 31 1992



WATTS BAR

# WORK INSTRUCTION D-04602-03

Page 6 cont. on Page 6A

## FORM NIS-1 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 7/28/92

400 W. SUMMIT HILL DRIVE, KNOX, TN. Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37771 Address W.P. D-4602-03 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH MODIFICATIONS Name Type Code Symbol Stamp N/A

WATTS BAR NUCLEAR PLANT Address Authorization No. A WMO Expiration Date 7/28/92

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM 062

5. (a) Applicable Construction Code AISC, 7TH Edition, 1973 Addenda, N/A WMO 7/28/92 Code Case N/A WMO 7/28/92

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 THROUGH WINTER 1981

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>PIPE SUPPORT # 1062-62-10K-R95</del>	<del>N/A</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-P04602-25</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>PIPE SUPPORT # 1062-62-10K-R97</del>	<del>N/A</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-P04602-26</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>N/A WMO 7/28/92</del>							

7. Description of Work REMOVED EXISTING SUPPORTS COMPLETELY INSTALLED NEW SUPPORTS. WMO 7/28/92

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure  Test Temp. A WMO 7/28/92 °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.

# WORK INSTRUCTION D-04602-03

Page 6A cont. on Page 6B

FORM NIS-2 (Back)

9. Remarks

TRACKING NUMBER 92-1960 by 8/13/92

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A wms 7/28/92

Certificate of Authorization No.

N/A wms 7/28/92

Expiration Date

N/A wms 7/28/92

Signed

M.L. Dodd

Date

JULY 28

19 92

Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-21-91 to 11-6-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

TN 2533

National Board, State, Province, and Endorsements

Date

11-6

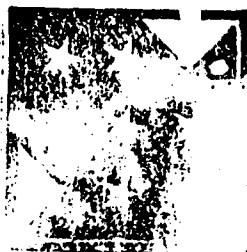
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92

(12/82)

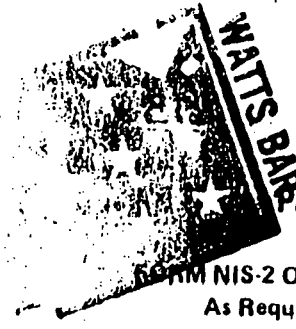
JUL 31 1992

TVA NUCLEAM



WATT

JUL 1 1992



# WORK INSTRUCTION D-04602-03

Page 6B cont. on Page 6C

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

- Owner TENNESSEE VALLEY AUTHORITY Date 7/28/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address Sheet 1 of 1
- Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771 W.P. D-04602-03  
Address Repair Organization P.O. No., Job No., etc.
- Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp N/  
Name Authorization No. N/  
WATTS BAR NUCLEAR PLANT Expiration Date A 7/28/92  
Address
- Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
- (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/ Addenda, N/ Code Case  
Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>PIPE SUPPORT # 062-62-1CVK-R01</del>	<del>N/ WMO / A 7/28/92</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-P04602-27</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
			<del>N</del>	<del>A</del>	<del>WMO</del>		

- Description of Work REMOVED EXISTING SWAY STRUT & CLAMP. INSTALLED NEW SWAY STRUT & CLAMP WITH LARGER LOAD CAPACITY.
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Psi Test Temp. A WMO 7/28/92 °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.

# WORK INSTRUCTION D-04602-03

Page 6C cont. on Page 6D

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-197 of 8/13/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A cmo 7/28/92  
Certificate of Authorization No. N/A cmo 7/28/92 Expiration Date N/A cmo 7/28/92  
Signed M.L. Dodd Date JULY 28, 19 92  
Owner or Owner's Designee, Title

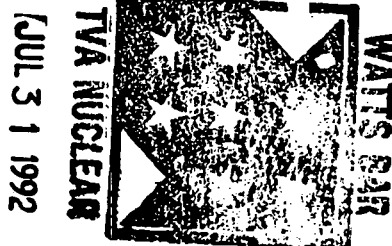
### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-21-91 to 11-6-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

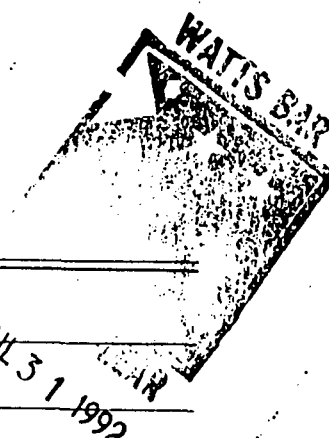
Stephen B. Hester Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 11-6 19 92

(12/82)



# WORK INSTRUCTION D-04602-03

Page 6D cont. on Page 6E



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Date 7/28/92  
 Sheet 1 of 1  
 Unit 1  
W.P. D-04602-03  
Repair Organization P.O. No., Job No., etc.  
 Type Code Symbol Stamp N/  
 Authorization No. WMS  
 Expiration Date A 7/28/92

3. Work Performed by TVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062

5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A WMS Addenda, N/A WMS Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u> <u>1062-62-KVC-R102</u>	<u>N/A WMS</u> <u>A 7/28/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04602-28</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A WMS</u> <u>A 7/28/92</u>							
<del> </del>							
<del> </del>							
<del> </del>							

7. Description of Work REMOVED EXISTING PLATE (AT PIPE) U-BOLT & END ATTACHMENT. INSTALLED NEW PLATE (AT PIPE) U-BOLT, & END ATTACHMENT. ROTATED END ATTACHMENT AT BASE PLATE 90°

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. WMS 7/28/92 °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.

# WORK INSTRUCTION D-04602-03

Page 6E cont. on Page 6F

## FORM NIS-2 (Back)

### 9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-198 BY 8/13/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A was 7/28/92

Certificate of Authorization No.

N/A was 7/28/92

Expiration Date

N/A was 7/28/92

Signed

M.L. Dodd  
Owner or Owner's Designee, Title

Date

JULY 28

19

92

### CERTIFICATE 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 I & L Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-21-91 to 11-6-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen S. Stater  
Inspector's Signature

Commissions

TN 2533

National Board, State, Province, and Endorsements

Date

11-6

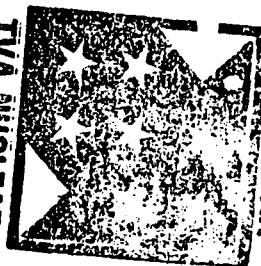
19

92

(12/82)

JUL 3 1 1992

TVA NUCLEAR

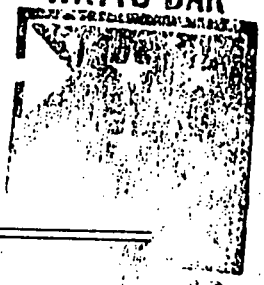


WATTS BAR

# WORK INSTRUCTION D-04602-03

**WATTS BAR**

Page 6F cont. on Page 6G



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 7/29/92  
Sheet 1 of 1 [JUL 31 1992]

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
W.P. D-04602-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/A  
Authorization No. WMO 7/29/92  
Expiration Date A

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062

5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A WMO 7/29/92 Addenda, N/A WMO 7/29/92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT #</u> <u>1062-62-100-R104</u>	<u>N/A WMO 7/29/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04602-29</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A WMO 7/29/92</u>							

7. Description of Work ENLARGED HOLES IN BASEPLATE FOR LARGER ANCHORS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ Psi Test Temp. WMO 7/29/92 °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.



# WORK INSTRUCTION D-04602-03

Page 69 cont. on Page 7

## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-199 by 8/13/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A was 7/29/92  
Certificate of Authorization No. N/A was 7/29/92 Expiration Date N/A was 7/29/92  
Signed M.L. O'Neil Date 7/29, 19 92  
Owner or Owner's Designee, Title

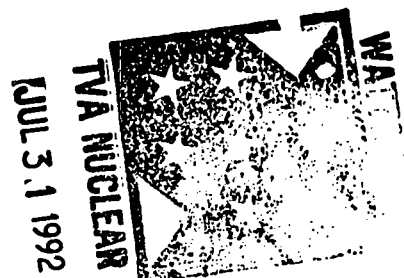
### CERTIFICATE OF INSERVICE INSPECTION

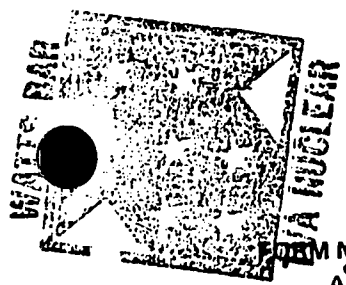
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSR I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-21-92 to 11-6-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. O'Neil Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 11-6, 19 92

(12/82)





SEP 15 1992

Page 5d Cont'd  
on Page 5e  
DUC  
8-14-92

FORM NO. 2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 8-13-92  
Name  
400 W. Summit Hill Drive, Knox, TN. Address  
Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN. 37771 Address  
W.P. # D-04590-01 Repair Organization P.O. No., Job No., etc.
3. Work Performed by IVA, Mech. Modifications Type Code Symbol Stamp  
Name  
Watts Bar Nuclear Plant Address  
Authorization No. N/A DUC 8-15-92  
Expiration Date
4. Identification of System Chemical Volume Control System/System #062
5. (a) Applicable Construction Code AISC, 7th 1973 Edition, N/A DUC 8-13-92 Addenda, N/A DUC 8-13-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 through Winter 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support # 1062-1-62A-222	N/A DUC 8-13-92	NONE	NONE	DCA # P04590-05-1	UNKNOWN	REPLACEMENT	NO
Pipe Support # 1062-1-62A-212		NONE	NONE	DCA # P04590-03-1		REPLACEMENT	NO
Pipe Support # 1062-1-62A-225		NONE	NONE	DCA # P04590-02-0		REPLACEMENT	NO

7. Description of Work Modify Support
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A DUC psi Test Temp. \_\_\_\_\_ °F  
8-13-92

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-200 July 8/24/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A DUC 8-13-92  
Certificate of Authorization No. N/A DUC 8-13-92 Expiration Date N/A DUC 8-13-92  
Signed David W. Couch Date 8-13-92, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/20/92 to 10/20/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh Commissions TN # 2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 10/20 19 92

# WORK INSTRUCTION D-04602-04

Page 6 cont. on Page 6A



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

AUG 22 1992

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 7/27/92

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1

N/A <sup>WMD</sup> 7/27/92 W.P. D-04602-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by IVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/

Authorization No. WMD

Expiration Date A 7/27/92

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A <sup>WMD</sup> 7/27/92 Addenda, N/A <sup>WMD</sup> 7/27/92 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A <sup>WMD</sup> 7/27/92  
80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u>	<u>N/A</u> <sup>WMD</sup> <u>7/27/92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-62-1062-R107</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N</u> <u>A</u> <sup>WMD</sup> <u>7/27/92</u>							

7. Description of Work ENLARGED HOLES IN BASEPLATE FOR LARGER ANCHORS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A <sup>WMD</sup> 7/27/92 psi Test Temp.          °F

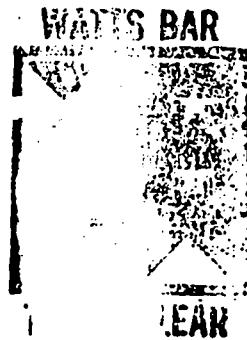
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\* DCA # PD4602-30

# WORK INSTRUCTION D-04602-04



Page 6A cont. on Page 6B

FORM NIS-2 (Back)

AUG 20 1992

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-201 of 82492

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 7/27/92

Certificate of Authorization No. N/A wmo 7/27/92 Expiration Date N/A wmo 7/27/92

Signed ML Oadd Date JULY 27, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/21/92 to 10/21/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/21, 19 92

# WORK INSTRUCTION D-04602-04



Page 6B cont. on Page 6C

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

AUG 22 1992

- Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
- Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address
- Work Performed by TVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address
- Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
- (a) Applicable Construction Code AISC, 7<sup>TH</sup> 1973 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A
- Identification of Components Repaired or Replaced and Replacement Components

Date 7/27/92  
Sheet 1 of 1  
Unit 1  
Repair Organization P.O. No., Job No., etc. N/A W.P. D-04602-04  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date 7/27/92

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-62-ICVC-R109</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A</u>							
<u>A</u>							

- Description of Work REMOVED EXIST. U-BOLT, CUT & 4"x3"x 3/8" FROM BASEPLATE, REINSTALLED NEW & 4"x3"x 3/8" AND BUILT BOX AROUND PIPE USING & 2"x2"x 1/4"
- Tests Conducted: ; Hydrostatic  Pneumatic   Nominal Operating Pressure   
Other  Pressure A Test Temp. WMO 7/27/92 °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.

\* DCA # P04602-31

WORK INSTRUCTION D-04602-04

Page 6C cont. on Page 6D

FORM NIS-2 (Back)

9. Remarks

AUG 2 5 1992

Applicable Manufacturer's Data Reports to be attached

Tracking Number 92-203 by 8/29/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A umd 7/27/92

Certificate of Authorization No.

N/A um 07/27/92

Expiration Date

N/A um 07/27/92

Signed

M. L. Dodd  
Owner or Owner's Designee, Title

Date

JULY 27

19 92

CERTIFICATE 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 I I I Co. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/21/92 to 10/21/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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

10/21

19 92

WATTS BAR



TVA NUCLEAR

AUG 2 2 1992

# WORK INSTRUCTION D-04602-04

Page 6D cont. on Page 6E



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

- Owner TENNESSEE VALLEY AUTHORITY Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Address  
Date 7/27/92 AUG 22 1992  
Sheet 1 of 1
- Plant WATTS BAR NUCLEAR PLANT Name  
P.O. 2000, SPRING CITY, TN. 37771 Address  
Unit 1  
N/A W.P. D-04602-04  
N/A WMO 7/27/92  
Repair Organization P.O. No., Job No., etc.
- Work Performed by TVA, MECH. MODIFICATIONS Name  
WATTS BAR NUCLEAR PLANT Address  
Type Code Symbol Stamp N/A  
Authorization No. N/A WMO  
Expiration Date 7/27/92
- Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
- (a) Applicable Construction Code ASCC, 7<sup>TH</sup> 1973 Edition, N/A WMO 7/27/92 Addenda, N/A WMO 7/27/92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 7/27/92  
80 EDITIONS THRU WINTER 1981
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>PIPE SUPPORT</del>	<del>BERGEN-PATERSON</del>	<del>NONE</del>	<del>NONE</del>	<del>* 1062-62-ICVC-R121</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
				<u>N/A WMO</u>			
				<u>A 7/27/92</u>			

- Description of Work DELETED (1) BASEPLATE, (2) ANCHOR BOLT ASSEMBLIES, (1) SWAY STRUT, AND (1) PIPE CLAMP
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A WMO 7/27/92

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\* DCA # P-04602-33





# WORK INSTRUCTION D-04602-04

Page 6F cont. on Page 6G



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

- Owner TENNESSEE VALLEY AUTHORITY Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN Address  
Date 7/27/92
- Plant WATTS BAR NUCLEAR PLANT Name  
P.O. BOX 2000, SPRING CITY, TN. 37771 Address  
Unit 1  
Repair Organization P.O. No., Job No., etc. W.P. D-04602-04
- Work Performed by TVA, MECH. MODIFICATIONS Name  
WATTS BAR NUCLEAR PLANT Address  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date 7/27/92
- Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
- (a) Applicable Construction Code AISC, 7<sup>TH</sup> 1973 Edition, N/A Addenda, N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1970 EDITION THRU WINTER 1981
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-62-1062-R123</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
			<u>N</u>				
			<u>A</u>				

- Description of Work REMOVED BASEPLATE 1/2" x 8" x 8". INSTALLED NEW BASEPLATE 3/4" x 9" x 9".
- Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp A 7/27/92 °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\* DCA # P04602-35 9-36



TVA NUCLEAR

AUG 20 1992

# WORK INSTRUCTION D-04602-04

Page 09 cont. on Page 04

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
IRRCING Number 92-204 by 8/24/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 7/27/92  
Certificate of Authorization No. N/A wmo 7/27/92 Expiration Date N/A wmo 7/27/92  
Signed Mil E. O'Neil Date July 27, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/21/92 to 10/21/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commission TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/21 19 92



# WORK INSTRUCTION D-04602-04

Page 6H cont. on Page 6I

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 7/27/92 AUG 22 1992  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37111  
Address W.P. D-04602-04  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp N/  
Name Authorization No. A WND  
WATTS BAR NUCLEAR PLANT Expiration Date 7/27/92  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A WND Addenda, N/A WND Code Case  
7/27/92  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A WND  
7/27/92  
80 EDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<u>N/A WND</u> <u>7/27/92</u>	<u>NONE</u>	<u>NONE</u>	* <u>1062-62- KVC-R126</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REMOVED BASEPLATE 1/2" x 8" x 8". INSTALLED NEW BASEPLATE 3/4" x 9" x 9".
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A WND 7/27/92

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.

\* DCA # P04602-37



TVA NUCLEAR

AUG 20 1992

# WORK INSTRUCTION D-04602-04

Page 6I cont. on Page 7

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-205 8/20/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 7/27/92

Certificate of Authorization No. N/A wmo 7/27/92 Expiration Date N/A wmo 7/27/92

Signed M. L. O'Neil Date July 27, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/21/92 to 10/21/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/21 19 92



AUG 23 1992

WORKPLAN D-06177-01  
 Page 6 of 6 cont on Page 6A  
 B2P 8-23-92

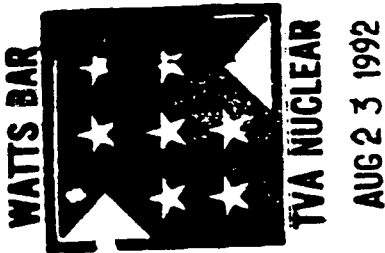
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
 As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY Date 8/24/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TENN. 37771 WP D 06177-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp N/A B2P 8-23-92  
Name Authorization No. N/A B2P 8-23-92  
WATTS BAR NUCLEAR PLANT Expiration Date N/A B2P 8-23-92  
Address
4. Identification of System COMPONENT COOLING / SYSTEM 70
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A B2P 8-23-92 Addenda, N/A B2P 8-23-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A B2P 8-23-92  
80 EDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(SUPPORT) 1070-1-70-130	N/A B2P 8-23-92	NONE	NONE	DCA P06177- 340, 89-0 & 135-0 90-0 B2P 8-23-92		REPLACEMENT	NO
<del>N/A B2P 8-23-92</del>							

7. Description of Work 5/8" SSDS 2 ea REMOVED, REPLACED BY 1 ea 3/4" W.B. (BASE & PLATE WELDMENT TO EMBED.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A B2P 8-23-92  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



Work Plan D-06177-01  
Page 6A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-206 *201* 8/24/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 8-23-92

Certificate of Authorization No. N/A B2P 8-23-92 Expiration Date N/A B2P 8-23-92

Signed Bradford K. Perdue Date August 23, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tenn and employed by HSB 1-81 Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 6/1/92 to 11/7/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7 19 92

8/19/92 10a



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

- 1. Owner TENNESSEE VALLEY AUTHORITY Date 8/22/92  
Name Address 400 W SUMMIT HILL DRIVE KNOXVILLE TN  
Sheet 1 of 1
- 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name Address P.O. BOX 2000 SPRING CITY TN 37771 WP  
D-04622-01  
Repair Organization P.O. No., Job No., etc.
- 3. Work Performed by TVA Type Code Symbol Stamp N/A  
Name Address P.O. Box 2000 SPRING CITY TN 37771 Authorization No. N/A  
Expiration Date N/A
- 4. Identification of System (62) CVCS
- 5. (a) Applicable Construction Code AISC 19 73 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-A406-2-7	N/A	N/A	N/A	DCA-P04622-03	N/A	REPLACEMENT	NO

- 7. Description of Work MODIFIED SUPPORT BY ADDING STIFFNER.
- 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



PAGE 1 Da CONT ON PAGE 1E

D-04622-01

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-207 by 8/24/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

Certificate of Authorization No.

Expiration Date

Signed

Joseph E. Pais  
Owner or Owner's Designee, Title

Date

8/24/92

19

CERTIFICATE 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 I & I CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 9/30/91 to 10/17/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

TN 2537

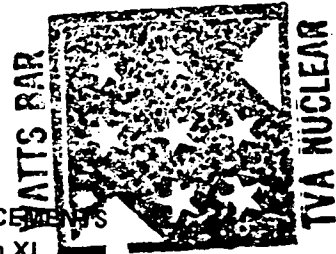
National Board, State, Province, and Endorsements

Date

10-17

1992

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



'AUG 27 1992

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. Summit Hill Drive, Knoxville, TN.  
Address
2. Plant Watts Bar Nuclear Plant  
Name  
P.O. Box 2000 Spring City, TN 37771  
Address
3. Work Performed by TVA  
Name  
P.O. Box 2000 Spring City TN 37771  
Address
4. Identification of System (063) SIS
5. (a) Applicable Construction Code ATSC 19 73 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 50 WINTER 1981 ADDENDA

Date 8-25-92  
Sheet 1 of 1  
Unit 1  
WIP-D-04667-03  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-63-1515-R114</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P04667-36</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1063-63-1515-R115</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P04667-37</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1063-63-1515-R120</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P04667-38</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1063-63-1515-R131</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P04667-39</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1063-63-1515-R137</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>DCA P04667-40</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
				<u>DCA P04667-41</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
				<u>DCA P04667-43</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
				<u>DCA P04667-44</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
				<u>DCA P04667-45</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work INSTALLED AND MODIFIED COMPONENT SUPPORTS
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-208 by 8/25/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A PWS 8-25-92

Certificate of Authorization No.

Expiration Date

Signed

Owner or Owner's Designee, Title

Date

August 25, 19 92

CERTIFICATE 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 HS&E+I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 11-16-91 to 11-10-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

TN 2533

National Board, State, Province, and Endorsements

Date

11-10

19

Page

6A

cont. on Page

76B

PWS 10-2-92

D 04667-03



FORM NO. 2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 8-28-92  
Name  
Nuclear Power Address  
Address

2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000 Spring City, Tn. Address  
Address D-05709-05 Repair Organization P.O. No., Job No., etc. *4/12/92*

3. Work Performed by TVA Type Code Symbol Stamp  
Name  
P.O. Box 2000 Spring City, Tn. Address  
Address Authorization No. N/A  
 Expiration Date 8-28-92

4. Identification of System 74/RHR

5. (a) Applicable Construction Code AISC 19 73 Edition, June 1973 Addenda, N/A 8-28-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RHR-R42</u>				<u>DCA</u> <u>P05709-44-0</u>			
<u>1074-74-1RHR-R44</u>				<u>DCA</u> <u>4514</u> <u>P05709-44-0</u>	<u>8-28-92</u>		
<u>1074-74-1RHR-R50</u>				<u>DCA</u> <u>P05709-47-0</u>			
<u>1074-74-1RHR-R51</u>				<u>DCA</u> <u>P05709-49-0</u>			
<u>1074-74-1RHR-R54</u>				<u>DCA</u> <u>P05709-50-0</u>			

7. Description of Work General Modifications/Installation of new items

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A 8-28-92

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.

FORM NIS-2 (Back)

9. Remarks NONE

Tracking Number 92-209 by J/20/92

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NIA 138-28-92

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Ron E. Brudlow Date 8-28, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IIT CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 11/9/92 to 11/9/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/9, 19 92

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

1. Owner TENNESSEE Valley Authority Date 8-28-92  
Name  
400 W. Summit Hill Drive, Knoxville, TN. Sheet 1 of 1  
Address

2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771 WP-D-04642-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. Box 2000 Spring City, TN 37771 Expiration Date N/A  
Address

4. Identification of System (063) SIS

5. (a) Applicable Construction Code AISC 1973 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-370	N/A	N/A	N/A	DCA-P04642-51	N/A	REPLACEMENT	NO
1063-1-63-372	N/A	N/A	N/A	DCA-P04642-52	N/A	REPLACEMENT	NO
1063-1-63-373	N/A	N/A	N/A	DCA-P04642-23	N/A	REPLACEMENT	NO
1063-1-63-373	N/A	N/A	N/A	DCA-P04642-24	N/A	REPLACEMENT	NO
1063-1-63-379	N/A	N/A	N/A	DCA-P04642-25	N/A	REPLACEMENT	NO
				DCA-P04642-26	N/A	REPLACEMENT	NO
				DCA-P04642-54	N/A	REPLACEMENT	NO
				DCA-P04642-64	N/A	REPLACEMENT	NO
				N/A	DATE 8-28-92		

7. Description of Work Installed and Modified Supports

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A PW 8-28-92

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.

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-210 by 8/28/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date N/A PAS 8-28-92

Signed [Signature] Date August 28, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB III CO.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 11/7/92 to 11/7/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/7, 19 92

WP-D-04642-04 GB  
 7/25/92  
 3A 7/25  
 47 GB  
 8/24/92

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

1. Owner Tennessee Valley Authority  
 Name  
P.O. Box 2000 Spring City, TN.  
 Address

Date 7/25/92

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
 Name  
P.O. Box 2000 Spring City, TN.  
 Address

Unit 1

WP-D-04642-04  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
 Name  
P.O. Box 2000 Spring City, TN.  
 Address

Type Code Symbol Stamp N/A GG 7/25/92  
 Authorization No. N/A GG 7/25/92  
 Expiration Date N/A GG 7/25/92

4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM 63

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE '73 Addenda, N/A GG 7/25/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 1980-WINTER 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1063-1-63-347</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>
<del>1063-1-63-351</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>
<del>1063-1-63-354</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>
1063-1-63-383	BERGEN-PATERSON	B/P Snubber 2A10-.65	N/A	N/A	N/A	Replaced	GG N/A 7/25/92
						Replacement	GG N/A 7/25/92

7. Description of Work Add Gusset to HANGER 347, Added shims to HANGERS 351 & 354, Replaced Snubber @ HANGER 383

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A GG 7/25/92 psi Test Temp. N/A GG 7/25/92 °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.



WP-D-04642-04  
6B  
7/25/92  
7  
SA Control  
F91  
9-25-92  
GG(24)9

FORM NIS-2 (Back)

9. Remarks NONE  
Tracking # 92-211 of 8/25/92  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this 62125/92 conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed Donna A. Logan MODS P.E. Date 7/25, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

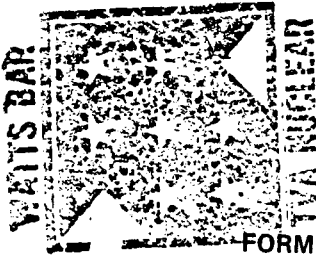
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/7/92 to 10/7/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN - 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/7/92 19 \_\_\_\_\_



AUG 28 1992

WP-D-04642-06

Pg 3 Cont'd on Pg 43A  
WF 8/29/92

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

1. Owner TVA Name \_\_\_\_\_ Date 7/25/92  
P.O. Box 2000, SPRING CITY, TN Address \_\_\_\_\_ Sheet 1 of \_\_\_\_\_
2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit 1  
P.O. Box 2000, SPRING CITY, TN Address \_\_\_\_\_ WP-D-04642-06 Repair Organization P.O. No., Job No., etc.  
 Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A
3. Work Performed by TVA Name \_\_\_\_\_  
P.O. Box 2000, SPRING CITY, TN Address \_\_\_\_\_
4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM 63
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80-WINTER 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1863-1-63-357</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>
1863-1-63-363		N/A		DCN-P-04642-A	N/A	Replaced	N/A
1863-1-63-590				DCN-P-04642-A	N/A	Replaced	N/A
		N/A					
		A					

7. Description of Work Add Shim to Supports 357, 363 & Tighten Belt on Support 590
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 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.

WP-D-04642-06

Pg 3A Cont'd on Pg 4

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-212 by 9/2/92

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed Erica Wilson (MDS) FE Date 7/25, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI + I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 10-19-91 to 11-20-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Stator Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-20-92 19 92

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 8-31-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name GLJ 08/1/92  
P.O. BOX 2000, SPRING CITY, TN. 37771 DX-06175-02  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA MECH. MODIFICATIONS Type Code Symbol Stamp N/A 2/31/92  
Name Authorization No.  
WATTS BAR NUCLEAR PLANT Expiration Date  
Address  
 4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM 70  
 5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A B2P 8-29-92 Addenda, N/A B2P 8-29-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

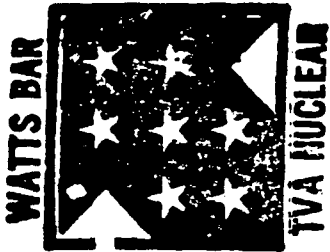
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1070-70-1CC-R15	N/A B2P 8-29-92	NONE	NONE	DCA P06175-28-0 PC-06175-27-0	UNKNOWN	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work REPLACED EXISTING 1/2" SSDS WITH 3ea 5/8" SDI AND 1ea 3/4" SDI.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A B2P 8-29-92  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



AUG 29 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
TRACKING Num 92-213 by 8/31/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 8-29-92

Certificate of Authorization No. N/A B2P 8-29-92 Expiration Date N/A B2P 8-29-92

Signed Bradford D. Perdue Date 8-29-92, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI + I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 5-26-92 to 10-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen M. Hester Commissions NA9774 N, I, A TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date \_\_\_\_\_ 19 \_\_\_\_\_

WORK INSTRUCTION D06175-02

Page 5B cont. on Page 6

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 8-31-92  
Name  
Nuclear Power Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN. WP 004634-03  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NARF 8-31-92  
P.O. BOX 2000 SPRING CITY, TN. Expiration Date \_\_\_\_\_  
Address

4. Identification of System 063/SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A REF 8/31/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-409				<del>TVA P04634 140915-0</del>		<del>REPLACEMENT</del>	<del>NO</del>
1063-1-63-411				<del>WPA04634 -16-0917-0</del>		<del>REPLACEMENT</del>	<del>NO</del>
1063-1-63-512				<del>F-19034-A</del>		<del>REPLACEMENT</del>	<del>NO</del>

7. Description of Work MODIFIED EXISTING SUPPORTS

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NARF 8-31-92

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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-214 of 9/1/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA RLF 8-31-92

Certificate of Authorization No. NA RLF 8-31-92 Expiration Date NA RLF 8-31-92

Signed [Signature] Date 8-31, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & T Co. of Hartford CT

have inspected the components described in this Owner's Report during the period 10-15-91 to 11-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7, 19 92



DO 4634-03

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

1. Owner Tennessee Valley Authority Date 9-1-92  
Name  
Nuclear Power Address Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000 Spring City, Tn. Address WP D-04666-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp  
Name Authorization No. NIA PB 9-1-92  
P.O. Box 2000 Spring City, Tn. Address Expiration Date NIA

4. Identification of System 63/SIS

5. (a) Applicable Construction Code ATSC 1973 Edition, June 1973 Addenda, NIA RB 9-1-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-63- 1515-R69	<u>NIA</u>	<u>RS 9-1-92</u>		<u>DCA</u>			
1063-63- 1515-R68	<u>NIA</u>	<u>RS 9-1-92</u>		<u>P0466-16-0</u> <u>DCA</u> <u>P0466-15-0</u>			
<u>NIA RS 9-1-92</u>							

7. Description of Work MODIFICATIONS TO SUPPORTS - MATERIAL REPLACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. NIA RS 9-1-92 °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.



FORM NIS-2 (Back)

8. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-215 of 9/1/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NIA RB 9-1-92

Certificate of Authorization No. NIA RB 9-1-92 Expiration Date NIA RB 9-1-92

Signed Ron Brubaker Date 9-1, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI Co. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/16/92 to 10/16/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN# 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/16 19 92



OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
 Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 9-1-92  
 Name Nuclear Power Address Spring City, TN Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant Unit 1  
 Name P.O. Box 2000 Spring City, TN Address W P D-04666-05  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Name P.O. Box 2000 Spring City, TN Address Spring City, TN  
 Type Code Symbol Stamp NIA RS 9-1-92  
 Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

4. Identification of System 63/SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, June 1973 Addenda, NIA RS 9-1-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

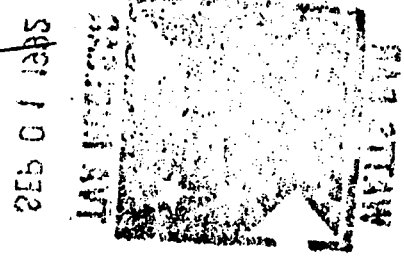
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-63-ISIS-R70	<del>NIA RS 9-1-92</del>			DCA P0466-17-0		<del>NIA RS 9-2-92</del>	
1063-63-ISIS-R71				DCA P0466-18-0			
1063-63-ISIS-R72				DCA P0466-19-0			
1063-63-ISIS-R73				DCA P0466-20-0			

7. Description of Work MODIFICATIONS TO SUPPORTS - MATERIAL REPLACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp 200 °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.

Page 3A cont. on Page 4  
WPD 04666-05



FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-216 by 7/1/92

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NIA RS 9-1-92

Certificate of Authorization No. NIA RS 9-1-92 Expiration Date NIA RB 9-1-92

Signed Ron Brubaker Date 9-1, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSEI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-2-91 to 11-6-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-6, 19 92

RS 9-16-92  
X 3A

SEP 15 1992



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

1. Owner Tennessee Valley Authority  
Name  
Nuclear Power  
Address

Date 9-14-92  
Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Unit 1  
D-04666-07  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Type Code Symbol Stamp  
Authorization No.  
Expiration Date NIA RS 9-14-92

4. Identification of System 63/SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, June 1973 Addenda, NIA RS 9-14-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-63-SIS-R96</u>	<u>NIA RS 9-14-92</u>			<u>DCA P04666-25-0</u>		<u>92 (Replacement) NJO</u>	
<u>NIA RS 9-14-92</u>							

7. Description of Work Modify support - Item replacements

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F RS 9-14-92

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.

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-217 by 9/14/92

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NIA RB 9-14-92

Certificate of Authorization No. NIA RB 9-14-92 Expiration Date NIA RB 9-14-92

Signed Ron Brubaker Date 9-14, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I F I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/20/92 to 10/20/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN # 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/20, 19 92

SEP 4 1992



WATTS BAR

REPORT FOR REPAIRS OR REPLACEMENTS  
by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 9-12-92  
Name  
Nuclear Power Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000 Spring City, Tn. WP D-05709-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp  
Name Authorization No. NA 9-12-92  
P.O. Box 2000 Spring City, Tn. Expiration Date  
Address
4. Identification of System 63/SIS 74/RHR
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N14 B912-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Winter Addenda 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-A060-63-7				DCA			
1063-A435-1-1				PS709-06-0 DCA	92	replacement	NO
1074-A060-74-1				PS709-10-0 DCA	92	replacement	NO
				PS709-07-0	92	replacement	NO

*Handwritten notes: A diagonal line is drawn through the table. 'N/A B9-12-92' is written across the middle rows, and 'N/A B9-12-92' is written at the bottom.*

7. Description of Work PIPE support modifications, item replacements.
8. Tests Conducted: 9-12-92  
 Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

WP D-05709-01

Page 6 A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks NONE  
TRACKING# 92-218 Applicable Manufacturer's Data Reports to be attached by 9/19/92

<b>CERTIFICATE OF COMPLIANCE</b>	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. <span style="float: right;">repair or replacement</span>	
Type Code Symbol Stamp	<u>N/A RB 9-12-92</u>
Certificate of Authorization No.	<u>N/A RB 9-12-92</u> Expiration Date <u>N/A RB 9-12-92</u>
Signed <u>Ron Bredline</u>	Date <u>9-12</u> , 19 <u>92</u>
<small>Owner or Owner's Designee, Title</small>	

<b>CERTIFICATE OF INSERVICE INSPECTION</b>	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Tennessee</u> and employed by <u>HSB IPI CO.</u> of _____ have inspected the components described in this Owner's Report during the period <u>10/7/92</u> to <u>10/7/92</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Bruce M. Earnigh</u> <small>Inspector's Signature</small>	Commissions <u>TN 2534</u> <small>National Board, State, Province, and Endorsements</small>
Date <u>10/7</u> , 19 <u>92</u>	

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knox, TN Sheet 1 of 1  
Address  
 2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771 W.P.# D-04602-01  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp  
Name Authorization No. N/A DUC  
Watts Bar Nuclear Plant Expiration Date A 9-17-92  
Address  
 4. Identification of System Chemical Volume Control System / System # 062  
 5. (a) Applicable Construction Code ASCE, 7th 19 73 Edition, N/A DUC Addenda, N/A DUC  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

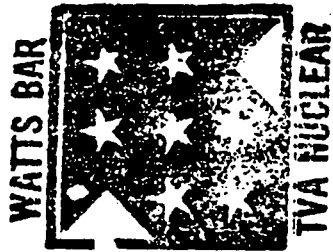
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe support	<u>N/A DUC</u> <u>A 9-17-92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-A402-2-1</u>	<del>1973</del>	<u>replacement</u>	<u>No</u>
				<u>N/A DUC</u> <u>9-17-92</u>			

7. Description of Work added stiffener gussets to baseplate - ref: PCA-P04602-00

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A DUC psi Test Temp. 9-17-92 °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.





SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER # 92-219 By 9/17/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A 9-17-92

Certificate of Authorization No. N/A 9-17-92 Expiration Date N/A 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HBT&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 11-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN2533  
National Board, State, Province, and Endorsements

Date 11-7, 19 92

WP 00460201

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 8-18-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771 W.P. D-16459-02  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TENNESSEE VALLEY AUTHORITY (NBWP) Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000, SPRING CITY TN. 37771 Expiration Date \_\_\_\_\_  
Address

4. Identification of System SIS (063)  
AISC STEEL CONSTRUCTION MANUAL, 7th EDITION  
 5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1063-1-63-252	TVA	NONE	NONE	1063-1-63-252		REPLACEMENT	NO

7. Description of Work REMOVED DELETED SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
TRACKING # 92-220 by 9/16/92 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A TSF 9-16-92

Certificate of Authorization No. N/A TSF 9-16-92 Expiration Date N/A TSF 9-16-92

Signed Timothy S. Faccioni MODS FE Date 9-16-~~9~~<sup>TSF</sup> 92, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI+I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 7-17-92 to 9-22-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN/2533 NB9714 N.I.A  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 19 92

# WORK INSTRUCTION D-06175-01

Page 54 cont. on Page 58

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

1. Owner TENNESSEE VALLEY Authority  
Name  
400 W. Summit Hill Drive, KNOX, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2600, SPRING CITY, TN 37771  
Address
3. Work Performed by TVA, MECH MUDS  
Name  
WATTS BAR NUCLEAR PLANT  
Address
4. Identification of System SYSTEM # 070, COMPONENT COOLING WATER
5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, NA DM 9-15-92 Addenda, NA DM 9-15-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Date 9-15-92

Sheet 1 of 1

Unit 1

WORKPLAN # D-06175-01  
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. NA

Expiration Date RPL 9-15-92

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1070-70-1CC-R20</u>	<u>NA</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P06175-33-0,01-0</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1070-70-1CC-R25</u>	<u>RPL 9-15-92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P06175-38-0,39-1,40-0</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NA RPL 9-15-92</u>							

7. Description of Work 1070-70-1CC-R20: MODIFY BY installing BOM items 1,2,3 & 4 (Strut, Tube steel, Plate, Pipe clamp)  
1070-70-1CC-R25: MODIFY BY installing gusset (BOM item 6) & Tube steel (BOM item 7)  
RPL 9-15-92 & plate (BOM item 8)
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA RPL 9-15-92

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.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91.

# WORK INSTRUCTION D-06175-01

Page 5B cont. on Page 6

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

TRACKING # 92-24 By 7/17/92 applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA RPL 9-15-92

Certificate of Authorization No. NA RPL 9-15-92 Expiration Date NA RPL 9-15-92

Signed Mahut P. Lau Date 9-15, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

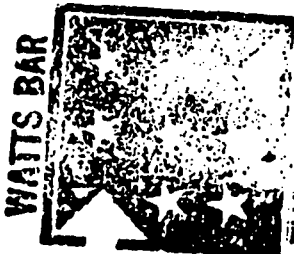
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSAI & I Co. of Hartford, CT

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-18-92 to 10-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen A. Hester Commissions NB 9774 N, I, A TN/2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date \_\_\_\_\_ 19 \_\_\_\_\_



TVA NUCLEAR

SEP 16 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX TN  
Address

Date 9-16-92  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY TN, 37771  
Address

Unit I  
WORKPLAN D-05620-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A MB 9-16-92  
Expiration Date A

4. Identification of System SYSTEM 01Z CONTAINMENT SPRAY

5. (a) Applicable Construction Code AISC 7<sup>th</sup> 19 73 Edition, N/A MB 9-16-92 Addenda, N/A MB 9-16-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>107Z-A437-3-3</u>	<u>N/A MB 9-16-92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA P05620-04</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACED BASEPLATE AND ANCHORS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A psi Test Temp. MB 9-16-92 °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.

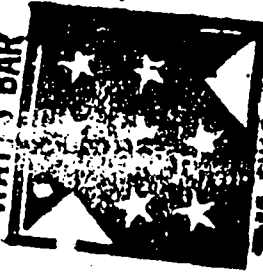
(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORK INSTRUCTION D-05620-01

REPRINT 12/91

WATTS BAR



TVA NUCLEAR

SEP 17, 1992

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-228 9/17/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A MB 9-16-92

Certificate of Authorization No. N/A MB 9-16-92 Expiration Date N/A MB 9-16-92

Signed Michael Rainer Date 9-16, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/27/92 to 10/27/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/27 19 92

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

1. Owner TENNESSEE VALLEY AUTHORITY  
 Name  
400 W. SUMMIT HILL DRIVE, KNOX TN  
 Address

Date 9-16-92  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
 Name  
P.O. Box 2000, SPRING CITY TN 37791  
 Address

Unit I  
WORKPLAN D-05620-01  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODS  
 Name  
WATTS BAR NUCLEAR PLANT  
 Address

Type Code Symbol Stamp \_\_\_\_\_  
 Authorization No. N / MS 9-17-92  
 Expiration Date A

4. Identification of System SYSTEM

5. (a) Applicable Construction Code AISC 7<sup>th</sup> 19 73 Edition, N/A MB 9-17-92 Addenda, N/A MB 9-17-92 Code Cases  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>106Z-ASS-12-27</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA P05620-08</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. \_\_\_\_\_ °F  
 MB 9-17-92

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.





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

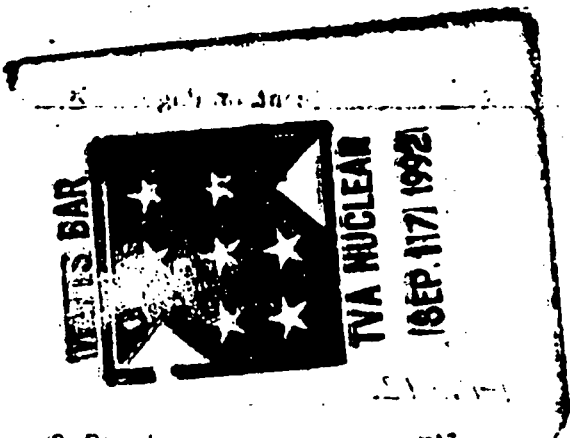
1. Owner TENNESSEE VALLEY AUTHORITY Date 9-16-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
MB 9-16-92 Name  
P.O. Box 2000, SPRING CITY TN, 37771  
Address Unit I  
WORKPLAN D-05620-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH MODS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A MB 9-16-92  
WATTS BAR NUCLEAR PLANT Expiration Date A  
Address
4. Identification of System SYSTEM 072, CONTAINMENT SPRAY
5. (a) Applicable Construction Code ASME, 7th 19 73 Edition, N/A MB 9-16-92 Addenda, N/A MB 9-16-88 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired; Replaced; or Replacement	ASME Code Stamped (Yes or No)
<u>1072-A437-5-25</u>	<u>N/A</u> MB <u>9-16-92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-105620-01</u>	<u>1980</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACED ANCHORS, BASEPLATE, STRUT & CLAMP.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 MB 9-16-92

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.



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-225 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A MB 9-16-92

Certificate of Authorization No. N/A MB 9-16-92 Expiration Date N/A MB 9-16-92

Signed Michael Baine Date 9-16, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/27/92 to 10/27/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earmugh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/27 19 92

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

1. Owner Tennessee Valley Authority  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address

Date 9-17-92

Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
P.O. Box 2000, Spring City, TN 37271  
Address

Unit 1

W.P. # D-04602-0201  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Mech. Modifications  
Name  
Watts Bar Nuclear Plant  
Address

Type Code Symbol Stamp AF / DUC

Authorization No. \_\_\_\_\_

Expiration Date A 9-17-92

4. Identification of System Chemical Volume Control System/system # 062

5. (a) Applicable Construction Code AISC, 7th 1973 Edition, N/A DUC Addenda, N/A DUC  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
pipe support	N/A DUC A 9-17-92	NONE	NONE	1062-A406-37		replacement	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work removed & replaced one base plate ref.: DCA-004602-09

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A psi Test Temp. \_\_\_\_\_ °F  
DUC 9-17-92

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.

Page ZE cont. on Page ZF

*WOP 00460201*



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

*Tack # 92-226 by 9/17/92* Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp N/A due 9-17-92

Certificate of Authorization No. N/A due 9-17-92 Expiration Date N/A due 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI-91 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 11-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7 19 92

*SP-117 JWA*

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knox, TN Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 7000, Spring City, TN 37771 W.P.# D-04602-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp N/A  
Name Authorization No. MC  
Watts Bar Nuclear Plant Expiration Date 9-17-92  
Address
4. Identification of System Chemical Volume Control System / system # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A 9-17-92 Addenda, N/A 9-17-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe support	N/A <u>MC</u> A 9-17-92	NDNE	NDNE	1062-62- 1CVC-R35	<u>UNKNOWN</u>	replacement	NO
<del>N A <u>MC</u> 9-17-92</del>							

7. Description of Work completely redesigned - changed out strut & added new support member  
PCA-004602-11#50
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A One psi Test Temp. 9-17-92 °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.



FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-227 *ky* 9/17/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A DUE 9-17-92

Certificate of Authorization No. N/A DUE 9-17-92 Expiration Date N/A DUE 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSSI Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 11-7-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7 19 92

*Wp 004602 01*

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knoxville, TN Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771 W.P. # D-04602-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp N/A  
Name Authorization No. due 9-17-92  
Watts Bar Nuclear Plant Expiration Date A  
Address
4. Identification of System Chemical Volume Control System / System # 062
5. (a) Applicable Construction Code AISC, 7th 1973 Edition, N/A due 9-17-92 Addenda, N/A due 9-17-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 Edition thru Winter 1981

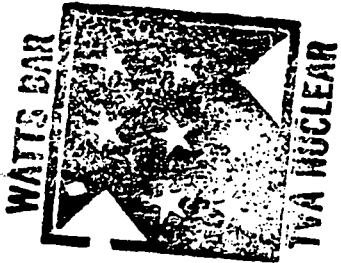
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	NONE	NONE	1062-62-ICVC-R56	unknown	replacement	No
<del>                     N                      A due 9-17-92                 </del>							

7. Description of Work trimmed baseplate & channel channel to allow more movement  
PCA - P04602-13
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A due 9-17-92 psi Test Temp. \_\_\_\_\_ °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.





SEP 17 1992

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached:  
TRACKING # 92-228 by 9/17/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A Due 9-17-92  
Certificate of Authorization No. N/A Due 9-17-92 Expiration Date N/A Due 9-17-92  
Signed David W. Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HEBI & T Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 11-7-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7 19 92

004602 01

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address
2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000, Spring City, TN 37771  
Address Unit 1  
W.P. # D-04602-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp N/A  
Name Authorization No. DUC 9-17-92  
Watts Bar Nuclear Plant Expiration Date A  
Address
4. Identification of System Chemical Volume Control System/system #062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A 9-17-92 Addenda, N/A 9-17-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Edition thru Winter 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
pipe support	N/A <u>DUC</u> 9-17-92	NONE	NONE	1062-62- 1CVC-R36	<del>UNKNOWN</del>	replacement	No
<del>N A <u>DUC</u> 9-17-92</del>							

7. Description of Work removed/deleted support
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A DUC psi Test Temp. 9-17-92 °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.



WP DB 460207

Page 2K 3

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-229 Applicable Manufacturer's Data Reports to be attached By 9/17/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A due 9-17-92

Certificate of Authorization No. N/A due 9-17-92 Expiration Date N/A due 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by ASB/T & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-2-91 to 11-7-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7, 19 92

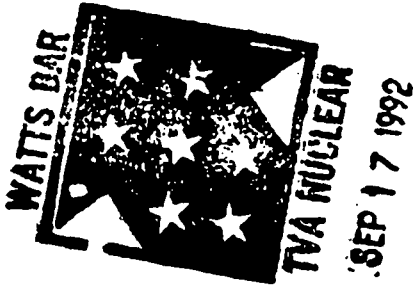
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner Tennessee Valley Authority Date 9-16-92  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771  
Address W.P.# D-04602-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A Due 9-16-92  
Watts Bar Nuclear Plant Expiration Date N/A  
Address
4. Identification of System Chemical Volume Control System/system # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A Due Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Edition thru Winter 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE Support	<u>N/A</u> <u>Due</u> <u>9-17-92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-62-</u> <u>ICVC-R57</u>	<u>UNKNOWN</u>	<u>replacement</u>	<u>No</u>
<u>N/A</u> <u>Due</u> <u>9-17-92</u>							

7. Description of Work completely redesigned - reconstructed using a Z strut configuration  
ref: DCA-P04602-15 & 16
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 4 psi Test Temp. \_\_\_\_\_ °F  
Due 9-17-92

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.



FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-200 89 9/17/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A Due 9-17-92  
Certificate of Authorization No. N/A Due 9-17-92 Expiration Date N/A Due 9-17-92  
Signed David Couch Date 9-17 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I + I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 10-28-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN/2533 National Board, State, Province, and Endorsements  
Date 10-28 19 92

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address
2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000, Spring City, TN 37771  
Address Unit 1  
W.P. # D-04602-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp \_\_\_\_\_  
Name  
Watts Bar Nuclear Plant  
Address Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_
4. Identification of System Chemical Volume Control System/system # 062
5. (a) Applicable Construction Code ASCE, 7th 1973 Edition, N/A DUC Addenda, N/A DUC  
Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
pipe support	N/A DUC 9-17-92	NONE	NONE	1062-62- 1KVC-RSB		replacement	No
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work changed out strut assembly - ref: DCA-P04602-17
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A DUC Test Temp. \_\_\_\_\_ °F  
9-17-92

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.



SEP 17 1992

Page 3D cont. on Page 3E

0 04602 02

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-231 2/9/92

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp N/A Due 9-17-92

Certificate of Authorization No. N/A Due 9-17-92 Expiration Date N/A Due 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI + I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 10-28-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-28 19 92

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771  
Address W.P. # D-04602-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp  
Name Authorization No. N/A DUE  
Watts Bar Nuclear Plant Expiration Date 9-17-92  
Address
4. Identification of System Chemical Volume Control System/system # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A DUE Addenda, N/A DUE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 Edition thru Winter 1981

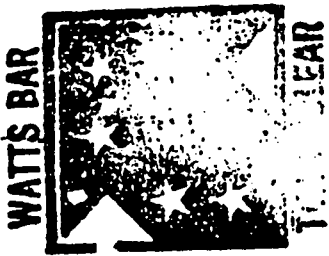
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A DUE A 9-17-92	NONE	NONE	1062-62- KVC-R74	UNKNOWN	replacement	No
			N				
			A DUE 9-17-92				

7. Description of Work changed out baseplate - ref.: DCA-PC04602-20
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N psi Test Temp. DUE 9-17-92 °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 8 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.





SEP 17 1992

Page 3F cont. on Page 3G  
004602-02

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-232 by 9/17/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI, repair or replacement

Type Code Symbol Stamp N/A Due 9-17-92

Certificate of Authorization No. N/A Due 9-17-92 Expiration Date N/A Due 9-17-92

Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBITI Co. of Hartford, CT

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10-20-91 to 10-28-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-28, 19 92

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

1. Owner Tennessee Valley Authority  
Name  
400 W. Summit Hill Drive, Knox, TN  
Address

Date 9-17-92

Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
P.O. BOX 2000, Spring City, TN 37771  
Address

Unit 1

W.P. # D-04602-02  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by IVA Mech. Modifications  
Name  
Watts Bar Nuclear Plant  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A duc

Expiration Date A 9-17-92

4. Identification of System Chemical Volume Control System / system # 062

5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A duc 9-17-92 Addenda, N/A duc 9-17-92 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

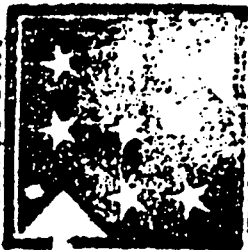
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A <u>duc</u> A 9-17-92	NONE	NONE	1062-62- ICVC-R77		replacement	No

7. Description of Work changed out 2 strut assemblies ref: DCA P04602-21

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N psi Test Temp. A °F  
duc 9-17-92

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.

WATTS BAR



TVA NUCLEAR

ISEP 17 1992

wp 004602.02

Page 3A

cont. on Page 3I

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-233 504 9/17/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A Dec 9-17-92  
Certificate of Authorization No. N/A Dec 9-17-92 Expiration Date N/A Dec 9-17-92  
Signed David Couch Date Sept. 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 10-20-91 to 10-28-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2533 National Board, State, Province, and Endorsements  
Date 10-28 19 92

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

1. Owner Tennessee Valley Authority Date 9-17-92  
Name  
300 W. Summit Hill Drive, Knox, TN Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P. O. Box 2000, Spring City, TN 37771 W.P. # D-4602-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Mech. Modifications Type Code Symbol Stamp N/A  
Name Authorization No. 9-17-92  
Watts Bar Nuclear Plant Expiration Date 9-17-92  
Address
4. Identification of System Chemical Volume Control System/system #062
5. (a) Applicable Construction Code ASME C, 7th 19 73 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

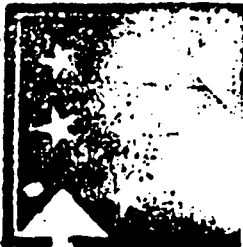
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
pipe support	N/A 9-17-92	NONE	NONE	1062-62- 1CVC-1264		replacement	No
		N					
			A	9-17-92			

7. Description of Work added kicker - ref.: DCA-P04602-10

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. 9-17-92 °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.

WATTS BAR



TEAM

SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-234 <sup>Applicable Manufacturer's Data Reports to be attached</sup> 2/9/12/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. \_\_\_\_\_ repair or replacement

Type Code Symbol Stamp N/A DIC 9-17-92

Certificate of Authorization No. N/A DIC 9-17-92 Expiration Date N/A DIC 9-17-92

Signed David Couch Date Sept 17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

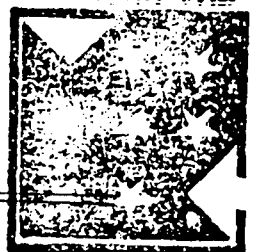
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 10-28-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN/2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-28 19 92

WP 004602-02  
Page 35 cont. on Page 4



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date SEPT. 10, 1992

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN 37771  
Address

WORKPLAN D-00278-06  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBAP)  
Name

Type Code Symbol Stamp \_\_\_\_\_

P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

4. Identification of System SAFETY INJECTION SYSTEM (SIS), 063  
AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

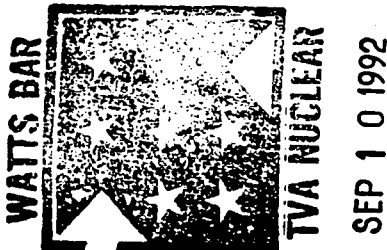
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1063-A435-B-60	TVA	NONE	NONE	1063-A435-B-60		REPLACEMENT	NO
PIPE SUPPORT 1063-A435-B-64	TVA	NONE	NONE	1063-A435-B-64		REPLACEMENT	NO
PIPE SUPPORT 1063-A435-B-67	TVA	NONE	NONE	1063-A435-B-67		REPLACEMENT	NO
PIPE SUPPORT 1063-A435-B-68	TVA	NONE	NONE	1063-A435-B-68		REPLACEMENT	NO
PIPE SUPPORT 1063-A435-B-70	TVA	NONE	NONE	1063-A435-B-70		REPLACEMENT	NO

7. Description of Work REMOVED DELETED PIPE SUPPORTS LISTED IN BLOCK 6

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



FORM NIS-2 (Back)

9. Remarks 92-235 ~~92-1542~~ 9/15/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Haley PROJECT ENGR Date SEPT 10, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENnessee and employed by HSB I & I CO of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 9/13/92 to 9/13/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earnah Commissions TN - 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/18/92 19 \_\_\_\_\_



SEP 17 1992

PG. 12 CONTD. ON PG. 2  
WP D-8693-01

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

1. Owner TENNESSEE VALEY AUTHORITY Date 08-24-92  
Name

P.O. BOX 2000, SPRING CITY TN. Sheet 1 of \_\_\_\_\_  
Address

2. Plant WATTS BAR NUCLEAR PLANT. Unit 1  
Name

P.O. BOX 2000, SPRING CITY, TN. WP D08693-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by FVA Type Code Symbol Stamp \_\_\_\_\_  
Name

P.O. BOX 2000 SPRING CITY, TN. Authorization No. NA REF 9-25-92  
Address Expiration Date

4. Identification of System 63/515

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA REF 9-25-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-1-63-340</u>		<u>NA REF 9-25-92</u>		<u>DLA MOB 1013-31702</u>	<u>NA REF 9-25-92</u>	<u>REPLACEMENT</u>	<u>NO</u>
				<u>NA REF 9-25-92</u>			

7. Description of Work MODIFICATION OF PIPE SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA REF 9-25-92

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.



WP D-8693-01

Page 2 Cont on 2A

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-237 9/28/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NIA RUF 9-25-92

Certificate of Authorization No. NIA RUF 9-25-92 Expiration Date NIA RUF 9-25-92

Signed [Signature] Date 9-25-92, 1992

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I+I Co. of Hartford CT have inspected the components described in this Owner's Report during the period 9-16-92 to 9-30-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-30 19 92

SEP 25 1992



PAGE 6 CONT. ON 7GA <sup>9/24/92</sup>

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 9-23-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
PO BOX 2000, SPRING CITY, TN 37771  
Address Unit 1  
WP D-00278-07  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WRNP) Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
PO BOX 2000, SPRING CITY, TN 37771 Expiration Date \_\_\_\_\_  
Address
4. Identification of System SAFETY INJECTION SYSTEM (063)
5. (a) Applicable Construction Code AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

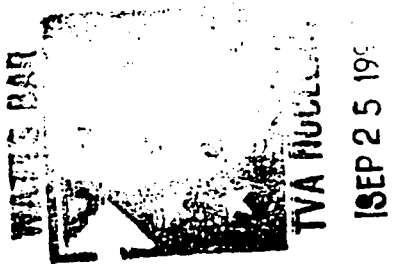
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT					DELETED		
1063-A435-9-61	TVA	NONE	NONE	1063-A435-9-61	1992	REPLACEMENT	NO
SUPPORT							
1063-A435-9-68	TVA	NONE	NONE	1063-A435-9-68	1992	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work REMOVED / DELETED SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A 125F 9/24/92

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.



PAGE 6A CONT ON 7

FORM NIS-2 (Back)

9. Remarks (SEE BLOCK NO. 7)  
Applicable Manufacturer's Data Reports to be attached  
TRACK NUMBER 92-238 BY 10/1/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed John D. Simpson Date 9-23 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I I I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/27/92 to 10/27/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/27 19 92



TVA NUCLEAR

OCT 09 1992

WP D-16473-03

Page 6 cont. on Page 6A

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

1. Owner TVA  
Name  
400 W. SUMMIT HILL DR., KNOXVILLE, TN  
Address

Date 10-5-92  
Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37381  
Address

Unit 1 WP-D-16473-03  
TVA, WP D 16473-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODS MECH  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37381  
Address

Type Code Symbol Stamp  
Authorization No. N/A ASD 10/5/92  
Expiration Date

4. Identification of System DEMIN. WTR 059  
STEEL CONST. MANUAL, 7TH EDITION  
5. (a) Applicable Construction Code AISC 19 1989 Edition, Addenda N/A ASD 10/5/92  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A ASD 10/5/92 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1059-A492-135A	TVA	1059-A492 -1-35A	NONE	NONE	1992	REPLACEMENT	NO
<del>N/A ASD 10/5/92</del>							

7. Description of Work SUPPORT WAS MODIFIED.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

SHEET 2 OF 2

9. Remarks SEE BLOCK NO. 7

TRACKING # 92-239 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ASD 10/5/92

Certificate of Authorization No. N/A ASD 10/5/92 Expiration Date

Signed Amal P. Roy MODS PE Date 10/5/92, 19\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

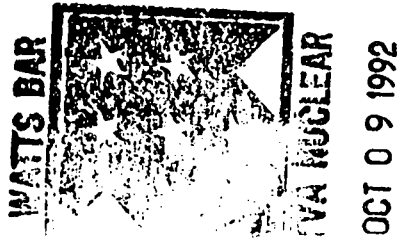
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I/I CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/16/92 to 10/16/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Commissions TN # 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/16 1992



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

cont. on Page 4A

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 10/29/92  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WORKPLAN # D-04584-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MOOS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/A  
Authorization No. WMO 10/29/92  
Expiration Date A

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 73 Edition, N/A WMO 10/29/92 Addenda, N/A WMO 10/29/92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A-19</u>	<u>N/A WMO 10/29/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04584-01 UNILIN 10</u>		<u>REPLACEMENT</u>	<u>NO</u>
			<u>N/A</u>				
			<u>A</u>	<u>WMO 10/29/92</u>			

WORK INSTRUCTION D-04584-01 Page 4

7. Description of Work ENLARGED HOLES IN BASEPLATE TO ALLOW INSTALLATION OF LARGER ANCHORS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure ps Test Temp. WMO 10/29/92 °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.

WORK INSTRUCTION D-04584-01

Page 4A cont. on Page 4B

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
\_\_\_\_\_ Applicable Manufacturer's Data Reports to be attached  
TRACKING# 92-240 leg 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wms 10/29/92

Certificate of Authorization No. N/A wms 10/29/92 Expiration Date N/A wms 10/29/92

Signed W.L. Dodd Date 10/29, 19 92  
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 KENTUCKY and employed by HSB I FI CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/6/93 to 2/6/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/6 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 10/29/92

400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

WORKPLAN # D-04584-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name

Type Code Symbol Stamp N/

WATTS BAR NUCLEAR PLANT  
Address

Authorization No. WMSD 10/29/92

Expiration Date A

4. Identification of System SYSTEM #062, CVCS

5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 73 Edition, N/A WMSD 10/29/92 Addenda, N/A WMSD 10/29/92 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A-16</u>	<u>N/A WMSD 10/29/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-PO 4584-01</u> <u>-03</u>		<u>REPLACEMENT</u>	<u>NO</u>
<del><u>N/A WMSD 10/29/92</u></del>							

7. Description of Work MODIFIED SUPPORT BY REMOVING EXIST. BASEPLATE AND INSTALLING NEW BASEPLATE, ANCHORS, AND STIFFENERS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A WMSD 10/29/92

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

4C  
cont. on Page  
4B  
WORK INSTRUCTION D-04584-01



WORK INSTRUCTION D-04584-01-

Page 4c cont. on Page 4D

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-2A1 by 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A wmo 10/29/92

Certificate of Authorization No. N/A wmo 10/29/92 Expiration Date N/A wmo 10/29/92

Signed M.L. Dodd Date 10/29, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/6/93 to 2/6/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/6 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 10/29/92  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WORKPLAN # D-04584-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MOOS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/  
Authorization No. WMO 10/29/92  
Expiration Date A

4. Identification of System SYSTEM # 062 CVC5

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A WMO 10/29/92 Addenda, N/A WMO 10/29/92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2</u> <u>1063-1-62A-13</u> <u>WMO 10/29/92</u>	<u>N/A WMO 10/29/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-004584-03</u> <u>-04</u> <u>-05</u> <u>DCA-004584-06</u>		<u>REPLACEMENT</u>	<u>NO</u>
<del><u>N/A WMO 10/29/92</u></del>							

7. Description of Work MODIFIED SUPPORT BY ADDING NEW BASEPLATE, ANCHORS, KICKER, AND STIFFENER PLATES.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp WMO 10/29/92 °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.

Page 4D  
cont. on Page 4E  
WORK INSTRUCTION D-04584-01

WORK INSTRUCTION D-04584-01

Page 4E cont. on Page 5

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-242 by 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A WMS 10/29/92

Certificate of Authorization No. N/A WMS 10/29/92 Expiration Date N/A WMS 10/29/92

Signed M.H. Dodd Date 10/29, 19 92  
Owner or Owner's Designee, Title

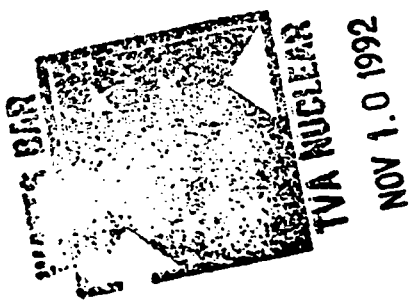
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period: 2/6/93 to 2/6/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eumygh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/6 19 93



# WORK INSTRUCTION D-05709-04

Page 5A cont. on Page 5B

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 8/14/92  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000, SPRING CITY, TN 37771 Address WORKPLAN # D-05709-04  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Name Type Code Symbol Stamp N/  
WATTS BAR NUCLEAR PLANT Address Authorization No. WMP  
 Expiration Date A 8/14/92
4. Identification of System SYSTEM # 074, RHR
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A WMP Addenda, N/A WMP Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RHR-R22</u>	<u>N/A WMP</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-PO5709-34</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1074-74-1RHR-R33</u>	<u>A 8/14/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-PO5709-38</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N</u>							
<u>A WMP</u>							
<u>8/14/92</u>							

7. Description of Work ENLARGED HOLES IN BASEPLATES FOR LARGER ANCHORS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A WMP Test Temp. 8/14/92 °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.

# WORK INSTRUCTION D-05709-04

Page 5B cont. on Page 5C

## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-243 2/11/10/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A was 8/14/92

Certificate of Authorization No. N/A was 8/14/92 Expiration Date N/A was 8/13/92

Signed M. L. Dodd Date 8/14/92, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO. of \_\_\_\_\_

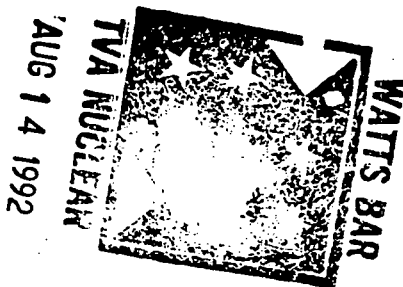
\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/30/93 to 3/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Egan Commissions TAI-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/30, 19 93

(12/82)



# WORK INSTRUCTION D-05709-04

Page 5c cont. on Page 5D

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 10/8/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address WORKPLAN # D-05709-04  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MOOS Type Code Symbol Stamp N/  
Name WATTS BAR NUCLEAR PLANT  
Address Authorization No. AWMS 10/8/92  
 Expiration Date 1A
4. Identification of System SYSTEM # 074, RHR
5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/ WMD Addenda, N/ WMD Code Case  
ASME Section XI (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RHR-R26</u>	<u>N/ WMD</u> <u>1A 10/8/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P05709-37</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REMOVED BASEPLATE ANCHORS, REAR BRACKET AND DAMAGED SWAY STRUT AND INSTALLED NEW BASEPLATE ANCHORS REAR BRACKET AND SWAY STRUT.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure AWMS 10/8/92 Test Temp.   °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.

# WORK INSTRUCTION D-05709-04

Page 5D cont. on Page 5E

## FORM NIS-2 (Back)

### 9. Remarks

TRACKING # 92-244 *dy* Applicable Manufacturer's Data Reports to be attached 11/10/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wms 10/8/92  
Certificate of Authorization No. N/A wms 10/8/92 Expiration Date N/A wms 10/8/92  
Signed M. J. Dodd Date 10/8/92, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/30/93 to 3/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/30 19 93



# WORK INSTRUCTION D-05709-04

Page 5E cont. on Page 5F

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 10/2/92  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WORKPLAN # D-05709-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/A  
 Authorization No. WMS 10/8/92  
 Expiration Date A

4. Identification of System SYSTEM # 074, RHR

5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 1973 Edition, N/A <sup>WMS</sup> 10/8/92  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 THROUGH WINTER 1981 Addenda, N/A <sup>WMS</sup> 10/8/92 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-RHR-R34</u>	<u>N/A</u> <sup>WMS</sup> <u>10/8/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P05704-40</u> <u>DCA-P05704-41</u> <sup>UNKNOWN</sup>		<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work CUT EXISTING REAR BRACKET FROM BASEPLATE. INSTALLED NEW BASEPLATE AND ANCHORS. WELDED REAR BRACKET BACK TO NEW BASE PLATE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure AS Test Temp. WMS 10/8/92 °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.



# WORK INSTRUCTION D-05709-04

Page 5F cont. on Page 5G

## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

TRACKING # 92-245 slg 11/10/92  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wms 10/8/92

Certificate of Authorization No. N/A wms 10/8/92 Expiration Date N/A wms 10/8/92

Signed M. J. Dodd Date 10/8/92, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

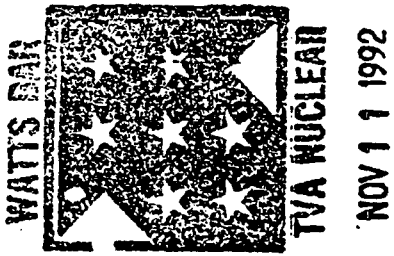
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/30/93 to 3/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmstrong Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/30/93, 19 \_\_\_\_\_



# WORK INSTRUCTION D-05709-04

Page 5G cont. on Page 5H

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 8/14/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WORKPLAN # D-05709-04  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Type Code Symbol Stamp N/  
Name Authorization No. A wmo  
WATTS BAR NUCLEAR PLANT Expiration Date 8/14/92  
Address
4. Identification of System SYSTEM # 074, RHR
5. (a) Applicable Construction Code AISC 7TH 73 Edition N/ wmo Addenda N/ wmo Code Case  
1973 8/14/92 8/14/92  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 THROUGH WINTER 1981

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RHR-R31</u>	<u>N/ wmo</u> <u>8/14/92</u>	<u>NONE</u>	<u>NONE</u>	<u>DA-205709-42 UNKNOWN</u> <u>-43</u>		<u>REPLACEMENT</u>	<u>NO</u>
<u>N/ wmo</u> <u>8/14/92</u>							

7. Description of Work MODIFIED SUPPORT BY CUTTING EXISTING REAR BRACKET FROM W6 X 15.5. REMOVED W6 X 15.5 AND INSTALLED T.S. AND PLATES. WELDED SNUBBED REAR BRACKET BACK IN PLACE.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure psi Test Temp 8/14/92 °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.

# WORK INSTRUCTION D-05709-04

Page 5H cont. on Page 5I

## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

TRACKING # 92-246 by 11/10/92 Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wms 8/14/92  
Certificate of Authorization No. N/A wms 8/14/92 Expiration Date N/A wms 8/14/92  
Signed M L Dodd Date 8/14, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO- of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/30/93 to 3/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earnings Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/30 19 93

(12/82)

AUG 14 1992

TVA NUCLEAR



WATTS BAR

# WORK INSTRUCTION D04665-01

Page 6 cont. on Page 6A

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

SLG  
10/21/92

1. Owner TENNESSEE VALLEY AUTHORITY Date 10/21/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address
3. Work Performed by TVA, MECH. MODIFICATIONS Unit 1  
Name  
WATTS BAR NUCLEAR PLANT  
Address
4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM # 063
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A <sup>SLG</sup> 10/21/92 Addenda, N/A <sup>SLG</sup> 10/21/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION W/ADDENDA THRU WINTER 1981

D-04665-01  
WORK PLAN D-04665-01  
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp \_\_\_\_\_  
 Authorization No. N/A <sup>SLG</sup>  
 Expiration Date 10/21/92

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<sup>SLG</sup> N/A 10/21/92	NONE	NONE	1063-A435-1-9 ①	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT	<sup>SLG</sup> N/A 10/21/92	NONE	NONE	1063-63-2 ISIS-R34 ②	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT	<sup>SLG</sup> N/A 10/21/92	NONE	NONE	1063-63-3 ISIS-R40 ③	UNKNOWN	REPLACEMENT	NO
				N			
				A SLG 10/21/92			

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N <sup>SLG</sup> 10/21/92 psi Test Temp. \_\_\_\_\_ °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA-P04665-03
- ② DCA-P04665-04, DCA-P04665-05
- ③ DCA-P04665-06, DCA-P04665-07

REPRINT 12/91

# WORK INSTRUCTION D04665-01

Page 6A cont. on Page 7

## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturers Data Reports to be attached  
TRACKING NUMBER 92-247 ~~NO~~ 11/12/92  
11/12/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SLG 10/21/92

Certificate of Authorization No. N/A SLG 10/21/92 Expiration Date N/A SLG 10/21/92

Signed John L. Gentry MECH. ENGR. Date 10/21, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI Co. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12/22/92 to 12/22/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Egan Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/22 19 92

NOV 17 1992  
 WATTS BAR  
 WATTS BAR

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11-16-92  
 Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet \_\_\_\_\_ of \_\_\_\_\_  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1 WP D-04642-05 11-16-92  
 Name  
P.O. BOX 2000 SPRING CITY, TN WP D04642-05  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
 Name  
WATTS BAR NUCLEAR PLANT Authorization No. N/A  
 Address Expiration Date \_\_\_\_\_
4. Identification of System SAFETY INJECTION 1063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A 11-16-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-358	N/A	NONE	NONE	N/A	UNKNOWN	REPLACEMENT	NO
1063-1-63-359	↓	↓	↓	↓	↓	↓	↓
1063-1-63-360	↓	↓	↓	↓	↓	↓	↓
1063-1-63-361	N/A	↓	↓	↓	↓	REPLACEMENT	NO
PIPE Δ	↓	↓	↓	↓	↓	REPAIR	NO

7. Description of Work SUPPORT MODIFICATIONS Δ Defect removal (DENTS ARE STRIKE) ON PIPE  
 11-17-92
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi A Test Temp. \_\_\_\_\_ °F  
 11-16-92

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-248 9/11/92

CERTIFICATE OF COMPLIANCE REPLACEMENT

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 11-17-92

Certificate of Authorization No. A Expiration Date

Signed W. J. MANN MECH ENGINEER Date 11/17, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB ZIE CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/20/93 to 5/20/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmack Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/20, 19 93

2/8  
SIGNED  
12-17-92

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11/13/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN  
Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address WORKPLAN # D04667-1A  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH, MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A SLG  
WATTS BAR NUCLEAR PLANT Expiration Date 11/13/92  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYSTEM #063
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A <sup>SLG</sup> 11/13/92 Addenda, N/A <sup>SLG</sup> 11/13/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<sup>SLG</sup> N/A 11/13/92	NONE	NONE	1074-A432 -1-6 ①	UN- KNOWN	REPLACEMENT	NO
↓	↓	↓	↓	1074-A432 -1-7 ②	↓	REPLACEMENT	NO
↓	↓	↓	↓	1072-A437 -1-17 ③	↓	REPLACEMENT	NO
			N				
			A				
			SLG 11/13/92				

7. Description of Work MODIFIED PIPE SUPPORTS

8. Tests Conducted: N <sup>SLG 11/13/92</sup>  
 Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

2/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA # P04667-14-0, -15-0
- ② DCA # P04667-16-0, -17-0
- ③ DCA # P04667-25-0, -26-0

REPRINT 12/91



FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-249 <sup>SLG</sup> 11/17/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A <sup>SLG</sup> 11/13/92

Certificate of Authorization No. N/A <sup>SLG</sup> 11/13/92 Expiration Date N/A <sup>SLG</sup> 11/13/92

Signed Stan L. Bentley MECH. ENGR. Date NOVEMBER 13, 19 92  
Owner or Owner's Designee, Title

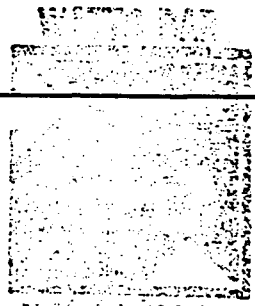
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & C of Hartford, CT have inspected the components described in this Owner's Report during the period 1-28-92 to 12-14-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Heaton Commissions TN/2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-14-92 19 92



THE NUCLEAR

NOV 17 1992

WORK PLAN No. D-04667-14

Page 6A cont. on Page 7

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

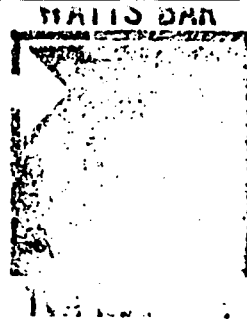
1. Owner TENNESSEE VALLEY AUTHORITY Date 11-20-92  
Name  
400 W. Summit Hill Dr., Knoxville TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, Spring City, TN WP # D04599-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MODIFICATIONS Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 11-20-92  
Address
4. Identification of System Chemical Volume Control System / Sys # 062
5. (a) Applicable Construction Code ASME SECTION III 1971 Edition, thru SUMMER 1973 Addenda, N/A 11-20-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 with Addenda thru WINTER 81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE	N/A 11-20-92	NONE	NONE	SURFACE EVALUATION SHEET # 0945	UNKNOWN	REPAIR	NO
<del>N/A 11-20-92</del>							

7. Description of Work REMOVED defect in pipe (NO WELDING PERFORMED)
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. 11-20-92 °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.



NOV 20 1992

FORM NIS-2 (Back)

9. Remarks TRACKING # 92-0250

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A # 11-20-92

Certificate of Authorization No. N/A # 11-20-92 Expiration Date N/A # 11-20-92

Signed John J Farmer PROJECT ENGR. Date 20 NOV. 19 92  
Owner or Owner's Designee, Title  
JOHN J FARMER

CERTIFICATE 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 I & I CO. of

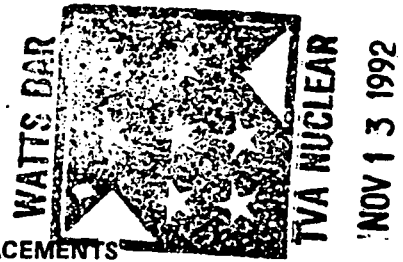
         have inspected the components described in this Owner's Report during the period 12/12/92 to 12/12/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M Earnigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12 19 92

WP D04599-01



NOV 13 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11/13/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN.  
Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771 Address  
WORKPLAN D05724-02 Repair Organization P.O. No., Job No., etc.
3. Work Performed by T.V.A. MECH. MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address  
Authorization No. NIA BAP 11-13-92  
Expiration Date \_\_\_\_\_
4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM 7A
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, NIA B2P Addenda, NIA BAP 11-13-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1074-74-1RHR-R170	N/A B2P 11-13-92	NONE	NONE	DCA(S) P05724-08-0 P05724-09-0	UNKNOWN	REPLACE- MENT	NO
1074-74-1RHR-R181	N/A B2P 11-13-92	NONE	NONE	DCA(B) P05724-12-0 P05724-13-0 P05724-14-0	UNKNOWN	REPLACE- MENT	NO
1074-74-1RHR-R179	N/A B2P 11-13-92	NONE	NONE	DCA(S) P05724-10-0 P05724-11-0	UNKNOWN	REPLACE- MENT	NO
			N/A B2P				
			11-13-92				

7. Description of Work MODIFY SUPPORTS PER APPLICABLE DCA(S).
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA BAP 11-13-92  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-251 by 11/23/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 11-13-92

Certificate of Authorization No. N/A B2P 11-13-92 Expiration Date N/A B2P 11-13-92

Signed Bradford R. Penline Date Nov 13, 19 92  
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 TN and employed by HSB I. & F. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-14-91 to 4-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bradford R. Penline Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-10 19 93.

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11-25-92  
Name  
400 W. Summit Hill Dr., KNOX, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO Box 2000, SPRING CITY, TN. 37771 WP D04594-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A 11-25-92  
WATTS BAR NUCLEAR PLANT Expiration Date N/A  
Address
4. Identification of System Chemical Volume Control System / Sys #062
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A Addenda, 11-25-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

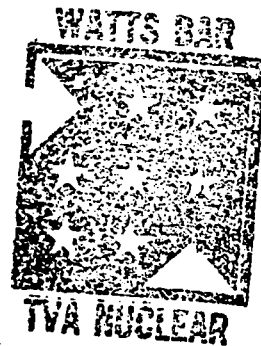
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A	NONE	NONE	ID# 1062-1-62A-805	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	<u>11-25-92</u>	NONE	NONE	ID 1062-1-62A-806	UNKNOWN	REPLACEMENT	NO
<u>N/A</u> <u>11-25-92</u>							

7. Description of Work ① REPLACED STRUT CLAMP A ② REPLACED STRUCTURAL MEMBERS A  
(DCA P04594-08) (DCA P04594-11)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N 11-25-92 Test Temp. \_\_\_\_\_ °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.



FORM-NIS-2 (Back)

NOV 25 1992

9. Remarks TRACKING # 92-252 11/25/92

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 11-25-92

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] Date 25 NOV. 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12/7/92 to 12/7/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 92

WP D-04594-02

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN  
Address

Date 11/25/92

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1

WORKPLAN # D04667-07  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A SLG

Expiration Date 11/25/92

4. Identification of System SAFETY INJECTION SYSTEM (SIS)/SYSTEM#-063

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A SLG Addenda, N/A 11/25/92 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<u>N/A</u> <sup>SLG</sup> <u>11/25/92</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-63-151S-R203</u> ①	<u>UN-KNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
↓	↓	↓	↓	<u>1063-63-151S-R206</u> ②	↓	↓	↓
↓	↓	↓	↓	<u>1063-63-151S-R207</u> ③	↓	↓	↓
↓	↓	↓	↓	<u>1063-63-151S-R218</u> ④	↓	↓	↓
↓	↓	↓	↓	<u>1063-63-151S-R219</u> ⑤	↓	↓	↓

7. Description of Work PIPE SUPPORT MODIFICATIONS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure ~ psi Test Temp. \_\_\_\_\_ °F  
ASLG 11/25/92

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA-P04667-72-0, -73-0, -03-2.
- ② DCA-P04667-80-0, -81-0, -82-0, -04-1.
- ③ DCA-P04667-83-1, -84-0, -04-1.
- ④ DCA-P04667-89-1, -90-0, -04-1.

REPRINT 12/91  
⑤ DCA-P04667-87-1, -88-0, -04-1.



FORM NIS-2 (Back)

9. Remarks TRACK # 92-253 SLG 11/25/92

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SLG 11/25/92

Certificate of Authorization No. N/A SLG 11/25/92 Expiration Date N/A SLG 11/25/92

Signed John L. Gentry MECH. ENGR. Date NOVEMBER 25, 19 92  
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 TN and employed by HSB I & I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 12-10-91 to 2-1-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

John B. ... Commissions TN. 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-1 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11/25/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX., TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WORKPLAN # D04667-06  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A SLG  
WATTS BAR NUCLEAR PLANT Expiration Date 11/25/92  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYSTEM #063
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A SLG Addenda, N/A 11/25/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981  
WITH 1981 WINTER ADDENDA.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A <sup>SLG</sup> 11/25/92	NONE	NONE	1063-63-1515-R165 ①	UN-KNOWN	REPLACEMENT	NO
↓	↓	↓	↓	1063-63-1515-R173 ②	↓	↓	↓
↓	↓	↓	↓	1063-63-③ 1515-R174	↓	↓	↓
↓	↓	↓	↓	1063-63-④ 1515-R175	↓	↓	↓
↓	↓	↓	↓	1063-63-⑤ 1515-R181	↓	↓	↓

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N psi Test Temp. \_\_\_\_\_ °F  
A SLG 11/25/92

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA-P04667-60-0,-61-0,-02-2.
- ② DCA-P04667-62-1,-63-1,-02-2.
- ③ DCA-P04667-64-1,-65-1,-66-0,-67-0,-02-2.
- ④ DCA-P04667-68-0,-02-2.
- ⑤ DCA-P04667-71-0,-02-2.

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACK # 92-254 gly 11/25/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SLG 11/25/92  
Certificate of Authorization No. N/A SLG 11/25/92 Expiration Date N/A SLG 11/25/92  
Signed Jim L Bentley MECH. ENGR. Date NOVEMBER 25, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSE IFC CO of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/12/93 to 7/12/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Carman Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/12 19 93



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

1. Owner TENNESSEE VALLEY Authority  
Name  
NUCLEAR POWER  
Address

Date 12-2-92

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, Spring City, TN  
Address

Unit 1

WORK PLAN D-04515-05  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000, Spring City, TN  
Address

Type Code Symbol Stamp

Authorization No. NA RPL 12-2-92

Expiration Date

4. Identification of System 15 / BD

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA RPL Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 12-2-92 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1001-A400-7-31</u>	<del>NA RPL 12-2-92</del>	<del>NA RPL 12-2-92</del>	<del>NA RPL 12-2-92</del>	<u>FDCN F17074A</u>			
<u>1001-A400-7-39</u>				<u>DCA P04515-15-0</u>			
<u>1001-A400-7-47</u>				<u>FDCN F17075 A</u>			
				<u>DCA P04515-20-0</u>			
				<u>FDCNF 21609A</u>			
				<u>DCA P04515-24-0</u>			

7. Description of Work 1) 1001-A400-7-31: Replaced items 5+6. 2) 1001-A400-7-39 & -47: Replaced items 4 & 5.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. NA  
RPL 12-2-92

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.

WP D-04515-05

Page 2A cont. on Page 2

FORM NIS-2 (Back)

9. Remarks NONE

TRACKING # 92-255 Applicable Manufacturer's Data Reports to be attached 12/2/92

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA RM 12-2-92

Certificate of Authorization No. NA RM 12-2-92 Expiration Date \_\_\_\_\_

Signed Robert P. Lee Date 12-2, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/19/93 to 2/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnright Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/19 19 93

# WORK INSTRUCTION D-04734-02

Page 4A

cont. on Page 4B 5 AB

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12-1-92  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771  
Address Unit 1  
W.P. D-04734-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A JED 12/1/92  
WATTS BAR NUCLEAR PLANT Expiration Date 12/1/92  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM SYSTEM # 062
5. (a) Applicable Construction Code AISC 7th 19 73 Edition, N/A JED 12/1/92 Addenda, N/A JED 12/1/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1.) PIPE-SUPPORT	N/A JED 12/1/92	NONE	NONE	1062-62-1CVC-R14	UNKNOWN	REPLACEMENT	NO
(2.) PIPE-SUPPORT	N/A JED 12/1/92	NONE	NONE	1062-62-1CVC-R01B	UNKNOWN	REPLACEMENT	NO
(3.) PIPE-SUPPORT	N/A JED 12/1/92	NONE	NONE	1062-62-1CVC-R21	UNKNOWN	REPLACEMENT	NO
(4.) PIPE-SUPPORT	N/A JED 12/1/92	NONE	NONE <sup>N</sup>	1062-62-1CVC-R11	UNKNOWN	REPLACEMENT REPAIRED	NO
			SDR 1-22-93				

(1.) INSTALLED. New SUPPORT (2.) INSTALLED New SWAY STRUT, BOLTS & BRACE.

7. Description of Work (3.) INSTALLED NEW SUPPORT (4.) RE-POSITIONED CLAMP. (CLASS G UJN-ASME) SDR

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Test Temp. JED 12/1/92 °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.

WP D-04734-02

Page 4 B cont. on Page 5

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-256 by 12/3/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 989 12/1/92

Certificate of Authorization No. N/A 989 12/1/92 Expiration Date N/A 989 12/1/92

Signed Joseph E. Davis Date Dec 1, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HASKITE CO of Hartford, CT have inspected the components described in this Owner's Report during the period 8-30-91 to 2-5-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Joseph B. Peat Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 92



DEC 03 1992

TVA FACILITY  
DEC 0 1 1992

1976  
WP D-14941-02

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 12/4/92  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000 SPRING CITY, TN. 37771 Address WORKPLAN D-14941-02  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH. MODIFICATIONS Name Type Code Symbol Stamp  
WATTS BAR NUCLEAR PLANT Address Authorization No. N/A B2P 12/4/92  
 Expiration Date \_\_\_\_\_
4. Identification of System AUX. FEEDWATER
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 1973 Edition, N/A B2P 12/4/92 Addenda, N/A B2P 12/4/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BOX ANCHOR SUPPORT	N/A B2P 12/4/92	NONE	NONE	1003-A060-3-11	UNKNOWN	REPLACEMENT	NO
BOX ANCHOR SUPPORT	N/A B2P 12/4/92	NONE	NONE	1003-A060-3-9	UNKNOWN	REPLACEMENT	NO
<del>N/A B2P 12/4/92</del>							

7. Description of Work MODIFY SUPPORTS PER DCA M14941-18 (1003-A060-3-11)  
AND DCA M14941-19 (1003-A060-3-9).
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A B2P 12/4/92

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



PG 6A CONT'D ON 1  
WRD 14941.02  
WRD 14941.02

FORM NIS-2 (Back)

9. Remarks TRACKING # 92-0259

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A B2P 12/4/92

Certificate of Authorization No. N/A B2P 12/4/92 Expiration Date N/A B2P 12/4/92

Signed Bradford B. Perkins Date DEC. 4, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

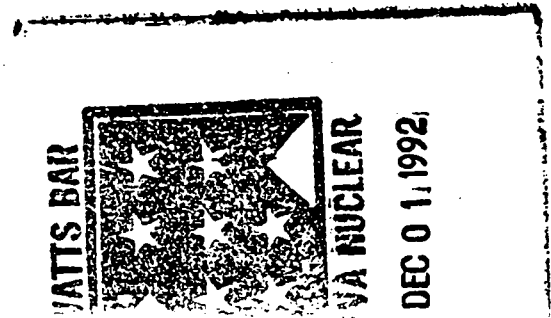
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12/4/92 to 12/4/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/4 19 92



# WORK INSTRUCTION D-04621-02

Page A Cont. on Page 5 <sup>4A</sup> SDR 12/19/92

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/3/92  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771  
Address Unit 1  
W.P. D-04621-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A 12/3/92  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A 12/3/92 Addenda, N/A 12/3/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1)	PIPE SUPPORT	N/A	NONE	NONE	1062-AC60-62-14	UNKNOWN	REPAIRED	NO
(2)	PIPE SUPPORT	N/A	NONE	NONE	1062-AC60-62-100	UNKNOWN	REPAIRED	NO
(3)	PIPE SUPPORT	N/A	NONE	NONE	1062-62-ICVC-R137	UNKNOWN	REPLACEMENT	NO
(4)	PIPE SUPPORT	N/A	NONE	NONE	1062-62-ICVC-R143	UNKNOWN	REPLACEMENT	NO
(5)	PIPE SUPPORT	N/A	NONE	NONE	1062-62-ICVC-R144	UNKNOWN	REPLACEMENT	NO

7. Description of Work <sup>AND ADDED WELD 7-11/22/92</sup> (1) REINSTALLED WEDGE BOLT (2) ADDED WELD METAL (3) REPLACED OLD MATERIAL  
 (4) ADDED NEW ANGLE IRON
8. Tests Conducted: Hydrostatic \_\_\_\_\_ Pneumatic  12/4/92 Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Apsi Test Temp. \_\_\_\_\_ °F (5) INSTALLED NEW STRUT

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.

# WORK INSTRUCTION WP # DO 4621-02

Page 4A cont. on Page 5

## FORM NIS-2 (Back)

9. Remarks TRACKING # 92-0260  
Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE REPAIR/REPLACEMENT

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A per 12/4/92  
Certificate of Authorization No. N/A per 12/4/92 Expiration Date N/A per 12/4/92  
Signed Joseph C Davis Date 12/4, 19 92  
Owner or Owner's Designee, Title

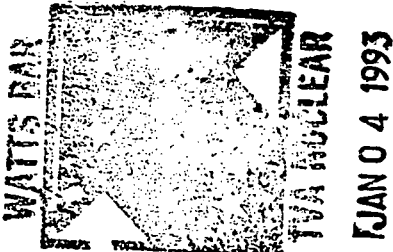
### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSTB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10/29/91 to 1/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 93



DEC 04 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/3/92  
 Name 400 W. SUMMIT HILL DRIVE, KNOX, TN. Address  
 Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name P.O. BOX 2000, SPRING CITY, TN 37771 Address  
WORKPLAN # D-04667-09  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp  
 Name WATTS BAR NUCLEAR PLANT Address  
 Authorization No. N/A SLG 12/3/92  
 Expiration Date
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYSTEM # 063
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A <sup>SLG</sup> 12/3/92 Addenda, N/A <sup>SLG</sup> 12/3/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<sup>SLG</sup> N/A 12/3/92	NONE	NONE	1063-63-① ISIS-R230	UNKNOWN	REPLACEMENT	NO
↓	↓	↓	↓	1063-63-② ISIS-R232	↓	↓	↓
↓	↓	↓	↓	1063-63-③ ISIS-R246	↓	↓	↓
↓	↓	↓	↓	1063-63-④ ISIS-R248	↓	↓	↓
			<sup>SLG</sup> N/A 12/3/92				

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N psi Test Temp \_\_\_\_\_ °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.

- ① DCA-P04667-97-1, -98-1, -05-2.
- ② DCA-P04667-99-0, -100-0, -101-0, -05-2.
- ③ DCA-P04667-104-1, -105-0, -106-1, -05-2.
- ④ DCA-P04667-107-1, -108-1, -04-1.

# WORK PLAN No. D-04667-09

Page 6A cont. on Page 7

## FORM NIS-2 (Back)

9. Remarks TRACKING # 92-0261

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SLG 12/3/92

Certificate of Authorization No. N/A <sup>SLG</sup> 12/3/92 Expiration Date N/A <sup>SLG</sup> 12/3/92

Signed Jan L. Bentley MECH. ENGR. Date DECEMBER 3, 19 92  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & L Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-12-91 to 1-4-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen A. Steiner Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. Summit Hill Drive, Knoxville, TN.  
Address

Date 12-8-92

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, Spring City, TN.  
Address

Unit 1

WP# D 04625-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A

Expiration Date 12-8-92

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM (CVCS) / Sys. 062

5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A <sup>12-8-92</sup> Addenda, NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1991

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A	NONE	NONE	1062-AD60-62-21	<sup>12-8-92</sup> UNKNOWN	REPLACEMENT	NO
↓	↓	↓	↓	1062-62-1CVC-R215	↓	Replacement	NO
② PIPE SUPPORT	12-8-92	↓	↓	1062-62-1CVC-R218	UNKNOWN	REPLACEMENT	NO

7. Description of Work ① REPLACED MEMBERS, plate & anchors, ② Replace angle & add hicker,

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. 12-8-92

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.

FORM NIS-2 (Back)

9. Remarks WP D04625-01

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-262 <sup>by</sup> 12/01/92

(3) Install new strut and clamp

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. 12-892 Expiration Date \_\_\_\_\_

Signed [Signature] PROJECT ENGR. Date 8 DEC. 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by KSBI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 9-7-91 to 1-4-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/8/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WORKPLAN # D-04593-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A 546  
WATTS BAR NUCLEAR PLANT Expiration Date 12/8/92  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM (CVCS) / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A 12/8/92 Addenda, N/A 12/8/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<u>N/A 12/8/92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-1-62A-339 ①</u>	<u>UN-KNOWN</u>	<u>REPLACEMENT / REPAIRED</u>	<u>NO</u>
↓	↓	↓	↓	<u>1062-1-62A-340 ②</u>	↓	<u>REPLACEMENT</u>	↓
↓	↓	↓	↓	<u>1062-1-62A-341 ③</u>	↓	<u>REPAIRED</u>	↓
↓	↓	↓	↓	<u>1062-1-62A-345 ④</u>	↓	<u>REPLACE- MENT/REPAIR</u>	↓
↓	↓	↓	↓	<u>1062-1-62A-348 ⑤</u>	<u>Y</u>	<u>REPLACE- MENT</u>	<u>Y</u>

- ⑤ REPLACED ENTIRE SUPPORT STRUCTURE/ANCHORS. ② REPLACED MEMBERS.  
 7. Description of Work ① REPLACED SUPPORT MEMBERS/ADD WELD METAL TO EXISTING WELD.  
③ ADDED WELD METAL. ④ REPLACED MEMBERS/ADDED NEW WELD.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N psi Test Temp. \_\_\_\_\_ °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA-P04593-04-0, -05-0, -02-2.
- ② DCA-P04593-06-1, -07-1, -02-2.
- ③ DCA-P04593-08-0, -09-0, -02-2.
- ④ DCA-P04593-10-1, -11-1, -03-2.
- ⑤ DCA-P04593-12-1, -13-1, -14-1, -03-2.

REPRINT 12/91



WORK PLAN NO. D-04573-01

Page 6A of 6B

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-263 by 12/8/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SLG 12/8/92

Certificate of Authorization No. N/A SLG 12/8/92 Expiration Date N/A <sup>SLG</sup> 12/8/92

Signed Sam L. Bentley MECH. ENGR. Date DECEMBER 8, 19 92  
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 TN and employed by HSB T & I CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-4-91 to 6-29-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 19 93

266

# WORK INSTRUCTION D-0442-08

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/8/92  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771 W. P. D. 04642-08  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH, MODIFICATIONS Type Code Symbol Stamp K 82.0  
Name Authorization No. 12/8/92  
WATTS BAR NUCLEAR PLANT Expiration Date 12/8/92  
Address
4. Identification of System SAFETY INJECTION / SYSTEM # 63
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A <sup>dec 12/8/92</sup>	NONE	NONE	* 1063-1-63-353	UNKNOWN	REPAIRED	NO

7. Description of Work ADDED WELD METAL TO EXISTING WELD
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. \_\_\_\_\_ °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.

WORK INSTRUCTION D-04642-08

Page 9 cont. on Page 9a

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-266 by 12/9/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JED 12/8/92  
7/27/92

Certificate of Authorization No. N/A JED 12/8/92 Expiration Date N/A JED 12/8/92

Signed Joseph E. Davis Date Dec 8, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & J CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/5/93 to 1/5/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/5, 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date \_\_\_\_\_  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE Sheet \_\_\_\_\_ of \_\_\_\_\_  
Address TN

2. Plant WATTS BAR NUCLEAR PLANT Unit \_\_\_\_\_  
Name  
PO BOX 2000, SPRING CITY, TN 37381 WO-92-06416-00  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR NUCLEAR MAINT Type Code Symbol Stamp \_\_\_\_\_ NR 89  
Name 12/10/92  
PO BOX 2000, SPRING CITY, TN 37381 Authorization No. \_\_\_\_\_  
Address Expiration Date \_\_\_\_\_

4. Identification of System 74 - RESIDUAL HEAT REMOVAL

5. (a) Applicable Construction Code ASME III 1971 Edition, 573 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80481

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHR HTX1B	ENGINEERS AND FABRICATORS	S-17811-B	1559	1-HTX-74-31-B	1975	REPLACED	YES

7. Description of Work REPLACE SHELL TO BONNET FLANGE AND <sup>W/BOILING</sup> INLET/OUTLET 11/57/17/93

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A 12/10/92

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.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-267 <sup>12/10/92</sup>

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/R by 12/10/92

Certificate of Authorization No. NR by 12/10/92 Expiration Date N/R by 12/10/92

Signed Daniel T. Hinkel Date 7-16, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD STEAM BOILER, L.A. & I. Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 3-24-93 to 7-17-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

C.E. Metcalfe Commissions TN-2633 "N" AND "I"  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17, 1993

D-04587-01

3A

3B

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12-10-92  
Name  
400 W SUMMIT HILL DRIVE, KNOX TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY TN 37771 W.P. D-04587-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. 12/10/92  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC 7th 1973 Edition, N/A 12/10/92 Addenda, N/A 12/10/92 Code Case  
 (b) Applicable Edition of Section XI: Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 PIPE SUPPORT	N/A <sup>12/10/92</sup>	NONE	NONE	1062-1-62A-102	92	REPLACEMENT	NO
2 PIPE SUPPORT	N/A <sup>12/10/92</sup>	NONE	NONE	1062-1-62A-107	92	REPLACEMENT	NO
3 PIPE SUPPORT	N/A <sup>12/10/92</sup>	NONE	NONE	1062-1-62A-109	92	REPLACEMENT	NO
4 PIPE SUPPORT	N/A <sup>12/10/92</sup>	NONE	NONE	1062-1-62A-110	92	REPLACEMENT	NO
					NIS-2 12-14-92		

7. Description of Work 1. REPOSITIONED PIPE CLAMP 2. ADDED PLATES TO SUPPORT 3. CHANGED U-BOLT 4. CHANGED PIN TO PIN DIMENSION AND COLD SETTING.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Test Temp. \_\_\_\_\_ °F  
12/10/92

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, NY 10017

Δ 10/19/92

REPRINT 12/92

MAY 06 1993

WORK INSPECTION REPORT D-04587-01

Page 3B of 3 Pages 30 of 6.19.93

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 92-268 8/12/10/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JPR 12/10/92

Certificate of Authorization No. N/A JPR 12/10/92 Expiration Date N/A JPR 12/10/92

Signed Joseph E. Davis Date Dec 10, 19 92  
Owner or Owner's Designee, Title

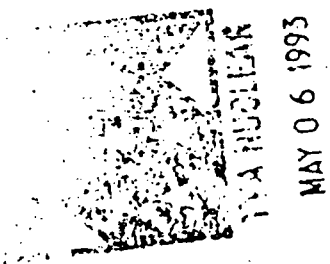
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IFF CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmy Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93



DEC 11 1992

D 14941 03

Page 6 cont. on Page 7

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

1. Owner TVA  
Name

Date 12/12/92

400 W. SUMMIT HILL DR., KNOXVILLE, TN  
Address

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLT  
Name

Unit 1 WPD-14941-03

P.O. BOX 2000, SPRING CITY, TN 37381  
Address

TVA, WPD 14941-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODS MECH  
Name

Type Code Symbol Stamp \_\_\_\_\_

PO BOX 2000 SPRING CITY, TN 37381  
Address

Authorization No. \_\_\_\_\_

Expiration Date AST 12/12/92

4. Identification of System MAIN & AUX FEED WATER / 03

5. (a) Applicable Construction Code AISC 19 \_\_\_\_\_ Edition, STEEL CONTS. MANUAL, 7TH EDITION Addenda \_\_\_\_\_ Code Case \_\_\_\_\_

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is AST 12/12/92

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1003-A060-3-11	TVA	1003-A060 3-11	NONE	NONE	1992	REPLACEMENT REPAIRED	SDR 12/14/92 NO
PIPE SUPPORT 1003-A060-3-09	TVA	1003-A060 3-09	NONE	NONE	1992	REPLACEMENT REPAIRED	SDR 12/14/92 NO
PIPE SUPPORT 1003-A060-3-10	TVA	1003-A060 3-10	NONE	NONE	1992	REPLACEMENT REPAIRED	SDR 12/14/92 NO
				AST 12-14-92			

7. Description of Work SUPPORTS MODIFIED (BOX ANCHOR welds)

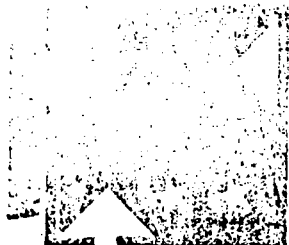
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ PSI Test Temp. °F N/A AST 12/12/92

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



D 14941 03

Page 7 cont. on Page 8



DEC 11 1992

FORM NIS-2 (Back)

9. Remarks SEE BLOCK NO. 7 FOR 3 ITEMS.

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-269 12/14/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ASE 12/14/92
Certificate of Authorization No. N/A ASE 12/12/92 Expiration Date N/A ASE 12/12/92
Signed [Signature] MODS DE Date 12/12, 1992
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by K&E Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-11-92 to 12-14-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-14, 1992



WP# D-00909-01  
Page 5 cont. on Page 6

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12-11-92  
Name  
400 W. Summit Hill Drive, Knoxville, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000; Spring City, TN 37381 WORKPLAN # D00909-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 12-11-92  
Address
4. Identification of System MAIN STEAM / SYS 001
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, NONE Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A 12-11-92	N/A 12-11-92	N/A 12-11-92	ID# 1001-A400-6-182	UNKNOWN	REPLACEMENT	NO

7. Description of Work INSTALL new steel clamp
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A PSI Test Temp. 12-11-92 °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.



TVA NUCLEAR

NOV 20 1992

WP# D-00909-01

Page 6 cont. on Page 7

FORM NIS-2 (Back)

9. Remarks WP# D00909-01

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-270 12/14/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date 12-11-92

Signed [Signature] Date 1-14-93, 1993

CERTIFICATE 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 1-81 Co. of CT have inspected the components described in this Owner's Report during the period 11/19/92 to 1/24/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2537 National Board, State, Province, and Endorsements

Date 1/24 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/12/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000, SPRING CITY TN. 37771  
Address Unit 1  
WORKPLAN D 05709-07  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by T.V.A. MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A B2P 12/12/92  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM 74
5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 73 Edition, N/A B2P 12-12-92 Addenda, N/A B2P 12-12-92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1074-74-IRHR-R96	N/A B2P 12/12/92	NONE	NONE	DCA P05709-61-0 DCA P05709-62-0	UNKNOWN	REPLACE- MENT	NO
SUPPORT 1074-74-IRHR-R98	N/A B2P 12/12/92	NONE	NONE	DCA P05709-63-0	UNKNOWN	REPLACE- MENT	NO
SUPPORT 1074-74-IRHR-R124	N/A B2P 12/12/92	NONE	NONE	DCA P05709-64-0 DCA P05709-65-0	UNKNOWN	REPLACE- MENT	NO
SUPPORT 1074-74-IRHR-R131	N/A B2P 12/12/92	NONE	NONE	DCA P05709-67-0 DCA P05709-68-0 DCA P05709-69-0	UNKNOWN	REPLACE- MENT	NO
SUPPORT 1074-74-IRHR-R125	N/A B2P 12/12/92	NONE	NONE	DCA P05709-66-0	UNKNOWN	REPLACE- MENT	NO

7. Description of Work VARIOUS HARDWARE CHANGES AS SHOWN ON INDIVIDUAL DCAs.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A B2P 12/12/92

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.



NUCLEAR

DEC 12 1992

..... D-05709-07

Page 6A ..... 6B

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-271 *by* 12/14/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 12/12/92

Certificate of Authorization No. N/A B2P 12/12/92 Expiration Date N/A B2P 12/12/92

Signed Bradford L. Perdue Date Dec. 12, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HS&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-27-92 to 2-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen K. Stearns Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-6 19 93



FEB 08 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12-18-92  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN Sheet \_\_\_\_\_ of \_\_\_\_\_  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN WP D-04608-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL + VOLUME CONTROL SYSTEM 1062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A <sup>12-18-92</sup> Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1062-62-1CVC-R209</del>	<del>N/A</del>	<del>NONE</del>	<del>NONE</del>	<del>N/A</del>	<del>UNKN</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>S</del>	<del></del>	<del>N</del>	<del>A</del>	<del>9th</del>	<del>12-18-92</del>		

7. Description of Work SUPPORT MODIFICATION
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORK INSTRUCTION D-04608-01

FORM NIS-2 (Back)

9. Remarks

TRACKING <sup>ii</sup> 92-275 SA 12/22/92  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A  
3-1093

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] Date 3-20-93, 19\_\_\_\_  
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 TN and employed by H.S.B.I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 12-9-92 to 3-20-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20-93

WATTS BAR

TVA NUCLEAR

JAN 0 6 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 12/30/92

400 W SUMMIT HILL DRIVE KNOX TN  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000 SPRING CITY TN. 37771  
Address

W.P. D-14941-20  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODIFICATIONS  
Name

Type Code Symbol Stamp \_\_\_\_\_

WATTS BAR NUCLEAR PLANT  
Address

Authorization No. N/A

Expiration Date 12/30/92

4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM# 70

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	NONE	NONE	1070-A060-70-16	UNKNOWN	REPAIRED	NO
<del>N/A</del>							

7. Description of Work DRILLED & REAMED OUT HOLES IN REAR PLATE

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. 900 °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.



FORM NIS-2 (Back)

9. Remarks TRACKING # 92-276 PD 12-30-92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A g R 12/30/92

Certificate of Authorization No. N/A g R 12/30/92 Expiration Date N/A g R 12/30/92

Signed Joseph P. Davis Date DEC 30 12/30/92, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by H.B. I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/15/93 to 1/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Carroll Commissions TN# 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/15, 19 93

WORK INSTRUCTION D-14941-20

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/18/92  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN.  
Address  
 Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771  
Address W.P.D-15790-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A § 202 12/18/92  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A § 202 12/18/92 Addenda, N/A § 202 12/18/92 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PIPE SUPPORT	<u>N/A § 202 12/18/92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-AA06-18-1</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
2. PIPE SUPPORT	<u>N/A § 202 12/18/92</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-AA06-18-2</u>	<u>UNKNOWN</u>	<u>REPAIRED</u> <u>B2P1-25-93</u>	<u>NO</u>

7. Description of Work 1. INSTALLED TUBE STEEL TO BASE PLATE 2. INSTALLED NEW SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. § 202 12/18/92 °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORK INSTRUCTION D-15790-01 REPRINT 12/91

6661 1/1 1992

ATVA NUCLEAR



FORM NIS-2 (Back)

9. Remarks Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 92-276 204 12/22/92

**CERTIFICATE OF COMPLIANCE** 201 1-25-93

We certify that the statements made in the report are correct and this ~~is a repair or replacement~~ conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A g 20 12/18/92

Certificate of Authorization No. N/A g 20 12/18/92 Expiration Date N/A g 20 12/18/92

Signed Joseph E. Paris Date 12/18, 19 92  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-14-93 to 3/20/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20 19 93.

WORK INSTRUCTION D-15790-01

ATVA NUCLEAR  
SLYVA

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 12/30/92  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN  
Address  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN 37721  
Address  
W.P. D-06108-02  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name  
WATTS BAR NUCLEAR PLANT  
Address  
 Authorization No. N/A 12/30/92  
 Expiration Date \_\_\_\_\_

4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM # 70

5. (a) Applicable Construction Code ASCE 7<sup>TH</sup> 19 73 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 PIPE SUPPORT	N/A	NONE	NONE	1070-A464-20-3	UNKNOWN	REPLACEMENT	NO
2 PIPE SUPPORT	N/A	NONE	NONE	1070-A464-20-4	UNKNOWN	REPAIR	NO
3 PIPE SUPPORT	N/A	NONE	NONE	1070-A464-20-21	UNKNOWN	REPAIR	NO
4 PIPE SUPPORT	N/A	NONE	NONE	1070-A464-20-22	UNKNOWN	REPAIR	NO
5 PIPE SUPPORT	N/A	NONE	NONE	1070-1-70-020	UNKNOWN	REPAIR	NO

7. Description of Work 1. INSTALL NEW BASE PLATE 2. ADDING TO WELDS 3. RESET SPRING CAN  
4. FINISH PAINTING 5. RESET SPRING CAN

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Test Temp. \_\_\_\_\_ °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.

D 06108-02

Page 7 cont. on Page 11

FORM NIS-2 (Back)

9. Remarks TRACKING# 92-277 9/12-20-92

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair/Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A gcd 12/30/92

Certificate of Authorization No. N/A gcd 12/30/92 Expiration Date N/A gcd 12/30/92

Signed Joseph E. Davis Date Dec 30, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

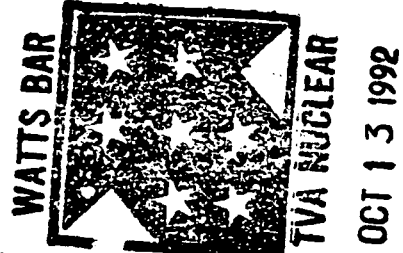
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I Co. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/23/93 to 1/23/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/23 19 93



OCT 13 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 10/12/92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WORKPLAN D-04641-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. BOX 2000, SPRING CITY, TN 37771 Expiration Date \_\_\_\_\_  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SYSTEM #063)  
AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION
5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1063-A435-8-35	TVA	NONE	NONE	1063-A435-8-35		REPLACEMENT	NO

7. Description of Work REPLACED BP 2640-1.5 PIPE CLAMP AND RELOCATED CLAMP ATTACHMENT LOCATION ON PIPE  
REPLACED REAR BRACKET WITH BP 1001-1.5 REAR BRACKET
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

WORKPLAN D-09641-01

FORM NIS-2 (Back)

8. Remarks WORK PERFORMED IN ACCORDANCE WITH DCA P09641-D3-D AND DCN F-20676-A  
Applicable Manufacturer's Data Reports to be attached

92-X001 10/28/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NOT REQ'D Expiration Date NOT REQ'D

Signed John D. Sampson, FIELD ENGR Date 10/27/92 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 10-27-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-27 19 92





AUG 14 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 8-14-92  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1  
WORK PLAN D-04641-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBAP)  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System SAFETY INJECTION SYSTEM (SYSTEM # 063)  
AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u> <u>1063-1-63-571</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-1-63-571</u>		<u>REPLACEMENT</u>	<u>NO</u>

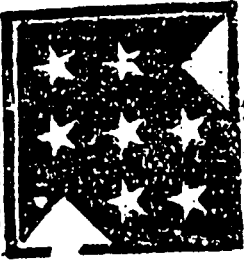
7. Description of Work REPLACE BP PARTS 2540-.35 + 2640-.35 WITH BP PARTS 2420-.65 + 6202--7. REMOVED  
1 EXISTING PIECE OF TS 3X3X 3/16 + INSTALLED 1 NEW PIECE OF TS 3X3X 3/16.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



WATTS BAR



TVA NUCLEAR

OCT. 11 3 1992

WORK PLAN D-04641-01

Page GC cont. on Page GD

*DATE 11-24-92*

FORM NIS-2 (Back)

8. Remarks WORK PERFORMED IN ACCORDANCE WITH DCA P04641-17-0 AND DEN F-19337-4  
Applicable Manufacturer's Data Reports to be attached

92-X002 *by 10/28/92*

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NOT REQ'D Expiration Date NOT REQ'D

Signed *James W. Staley*, PROJECT ENG Date 8-14, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by ASB I & Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-20-91 to 10-27-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Stephen B. Stewart* Commissions TA2593  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-27 19 92



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 8-14-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN 37771 WORKPLAN D-046A1-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY (LBNP) Type Code Symbol Stamp \_\_\_\_\_  
Name  
PO. BOX 2000, SPRING CITY, TN 37771 Authorization No. \_\_\_\_\_  
Address Expiration Date \_\_\_\_\_
4. Identification of System SAFETY INJECTION SYSTEM (SYSTEM # 063)  
ASME STEEL CONSTRUCTION MANUAL, 7<sup>TH</sup> EDITION
5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u> <u>1063-1-63-289</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-1-63-289</u>		<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPAIRED ANCHORS, BASEPLATE, AND TS 2X2X1/4

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

WORKPLAN D-04641-01

Page 6E cont. on Page 7

FORM NIS-2 (Back)

9. Remarks WORK PERFORMED PER DCA P04641-10-0 + DCN F-18638-A  
Applicable Manufacturer's Data Reports to be attached

92-X003 2/10/20/92

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NOT REQ'D Expiration Date NOT REQ'D

Signed James W. Halley PROJECT ENGR. Date 8-13, 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

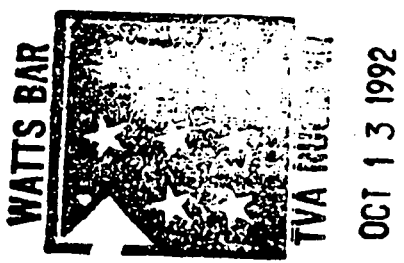
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSAI+I Co. of Hartford, CT

in this Owner's Report during the period 10-20-91 to 10-27-92 have inspected the components described to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-27 19 92



OCT 13 1992



WP D-00278-08  
page 6 cont on 6A

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 11-6-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 1  
Address  
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000 SPRING CITY TN 37771 WP # D00278-08  
Address Repair Organization P.O. No., Job No., etc.  
3. Work Performed by TVA Type Code Symbol Stamp  
Name  
P.O. BOX 2000 SPRING CITY TN. Authorization No. N / TSF  
Address Expiration Date A 11-6-92  
4. Identification of System 63 / SIS  
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, N/A TSF 11-6-92 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-030		<del>N</del> A	<del>TSF 11-6-92</del>	PCA M-00278-18 M-00278-19	92	Replacement	NO

7. Description of Work REMOVED ITEM # 8 AND ATTACHING HANGER. NO PHYSICAL WORK DONE ON SNUGGER

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure psi A Test Temp TSF 11-6-92 °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.

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 93-001 BY 1/4/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A TSE 11-6-92

Certificate of Authorization No. N/A TSE 11-6-92 Expiration Date N/A TSE 11-6-92

Signed Timothy J. Facciani Date 11-6, 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12/22/92 to 12/22/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamyl Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/22 19 92

WID No. D-00278-05  
PAGE 7 CONT. ON PAGE 7A



FORM NIS-2 (Back)

9. Remarks SEE BLOCKS 6 & 7 FOR ALL ITEMS

93-002 by 11/19/93 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed John D. Sampson Date 12-7  
Owner or Owner's Designee, Title to 12-7-92, 19 92  
ops 12-7-92

CERTIFICATE 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 IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12/26/92 to 12/26/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 W. Earnest Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/26 19 92



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS** WID No. D-00278-05  
 As Required by the Provisions of the ASME Code Section XI PAGE 6 CONT: ON PG 7

1. Owner TENNESSEE VALLEY AUTHORITY Date 12-7-92  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN 37771 WP D-00278-05  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WAMP) Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N A 903 12-7-92  
PO BOX 2000, SPRING CITY, TN 37771 Expiration Date \_\_\_\_\_  
Address
4. Identification of System S.I.S. (063)  
AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION
5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1063-A435-7-62	TVA	NONE	NONE	1063-A435-7-62		REPLACEMENT	No
SUPPORT 1063-A435-7-63	TVA	NONE	NONE	1063-A435-7-63		REPLACEMENT	No
SUPPORT 1063-A435-7-64	TVA	NONE	NONE	1063-A435-7-64		REPLACEMENT	No
SUPPORT 1063-A435-7-65	TVA	NONE	NONE	1063-A435-7-65		REPLACEMENT	No
			N 903 A	12-7-92			

7. Description of Work REMOVED DELETED SUPPORTS LISTED ABOVE
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



DEC 2 6 1993

D-14941-18  
1-5-93

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR., KNOXVILLE, TN  
Address

Date 1-5-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37721  
Address

Unit 1  
WP# D-14941-18  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by P.O. Box 2000 SPRING CITY, TN  
Name  
P.O. Box 2000 SPRING CITY, TN  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date 1-5-93

4. Identification of System 070 / CCS

5. (a) Applicable Construction Code AISC 19 73 Edition, JULIE 1973 Addenda, 1981 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1070-AQ.0-70-8</del>	<del>_____</del>	<del>N/A Jul 1-5-93</del>	<del>_____</del>	<del>47A060-70-8</del>	<del>UNKNOWN</del>	<del>REPAIR 1-5-93</del>	<del>NO</del>
<del>1070-AQ.0-70-10</del>	<del>_____</del>	<del>N/A Jul 1-5-93</del>	<del>_____</del>	<del>47A060-70-10</del>	<del>UNKNOWN</del>	<del>REPAIR 1-5-93</del>	<del>NO</del>
<del>_____</del>	<del>_____</del>	<del>_____</del>	<del>N/A Jul 1-5-93</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>

7. Description of Work DRILLED PLATES (REAR) TO ALLOW WELD REMOVAL FROM RP 2

8. Tests Conducted:  Hydrostatic N/A  Pneumatic 1-5-93 Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



DEC 26 1992

D - 14941 - 1

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING No. 93-003 JAO 1/6/93

**CERTIFICATE OF COMPLIANCE Replacement**

We certify that the statements made in the report are correct and this Repair <sup>1-5-93</sup> conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A Aug 1-5-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] Date 1-5-93, 19\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by NSB I & I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/10/93 to 1/10/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/10 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1/6/93  
Name  
400 W SUMMIT HILL DR., KNOXVILLE, TN Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN WO 92-13294-00  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by P.O. Box 2000 SPRING CITY, TN Type Code Symbol Stamp  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000, SPRING CITY, TN. Expiration Date N/A FI 1/6/93  
Address

4. Identification of System 074/RHR

5. (a) Applicable Construction Code R15C 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, WE1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074A432-1-3A</u>		<u>N/A FI 1/6/93</u>		<u>47A432-1-3A</u>		<u>REPLACE- MENT</u>	<u>YES</u>
					<u>FI 1/6/90</u>		

7. Description of Work REPLACED EXISTING BP 304 CLAMP FOR WITH BP 6150 CLAMP.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F FI 1/6/93

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.

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING No. 93-004 1/6/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A FY 1/6/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed F Yom Date 1/6/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPE CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/6/93 to 1/6/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN #2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/6/93 19\_\_\_\_



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

1. Owner Tennessee Valley Authority Name  
400 W. Summit Hill Drive, Knoxville, TN. Address Date 1/6/93
2. Plant WATTS BAR Nuclear Plant Name  
P.O. Box 2000, Spring City, TN. 37771 Address Sheet 1 of 1  
Unit 1
3. Work Performed by TVA Name  
P.O. Box 2000, Spring City, TN. Address  
W.O. 08-16255-63  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp N/A  
Authorization No. \_\_\_\_\_  
Expiration Date 5/31/93
4. Identification of System 062 / CHEMICAL AND VOLUME CONTROL SYSTEM
5. (a) Applicable Construction Code AISC 1973 Edition, 7th Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME XI 1973 Addenda, ASME XI 1/6/93

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>SUPPORT NR 1062-1CVC-R200</del>	<del>TVA</del>	<del>N/A 5/31/93</del>	<del>N/A 5/31/93</del>	<del>DWG NR 62-1CVC-R200</del>	<del>N/A 5/31/93</del>	<del>REPAIRED</del>	<del>NO</del>
		<del>N/A</del>	<del>5/31/93</del>				

7. Description of Work REPLACED 1 PADDLE ON STRUT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-005 NO 1/7/93 BAM 1/11/93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A BAM 1/6/93

Certificate of Authorization No. N/A BAM 1/6/93 Expiration Date N/A BAM 1/6/93

Signed George H. Matting Date JAN 6, 19 93  
Owner or Owner's Designee, Title


CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI & I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 12-18-92 to 1-13-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2533  
National Board, State, Province, and Endorsements

Date 1-13 19 93

WATTS BAR  
  
 TVA NUCLEAR  
 NOV 25 1992

Page 1E cont. on Page 1F  
 WP D-06020-01

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-7-93  
 Name  
400 W. SUMMIT HILL DR. KNOXVILLE TN. Sheet 1 of 1  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name  
PO. BOX 2000 SPRING CITY TN WORKPLAN D-06020-01  
 Address 37771 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH. MODIFICATIONS Type Code Symbol Stamp  
 Name  
WATTS BAR NUCLEAR PLANT Authorization No. N/A B2P 1-7-93  
 Address Expiration Date
4. Identification of System PRIMARY MAKE-UP WATER / SYSTEM 81
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A B2P 1-7-93 Addenda, N/A B2P 1-7-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1081-A492-2-11	N/A B2P 1-7-93	NONE	NONE	DCA K-06020-02-000	UNKNOWN	REPLACEMENT	NO
<del>N/A B2P 1-7-93</del>							

7. Description of Work INCREASE ANCHOR SIZE, TUBE STEEL SIZE & MODIFY PER DCA K-06020-02-000
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A B2P 1-7-93

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
\_\_\_\_\_ Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-008 lg 1/6/94  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A BAP 1-7-93

Certificate of Authorization No. N/A BAP 1-7-93 Expiration Date N/A BAP 1-7-93

Signed Bruce M. Emmy Date Jan. 7, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & E CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/1/93 to 3/1/93; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Emmy Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 1-9-93  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000, SPRING CITY, TN 37771 Address WP D-14941-08  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH. MODIFICATIONS Name Type Code Symbol Stamp  
WATTS BAR NUCLEAR PLANT Address Authorization No.  
Expiration Date

4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM 70

5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/A B1P 19-93 Addenda, N/A B2P 1-9-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements BO THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT 1070-A060-70-9	N/A B2P 1-9-93	NONE	NONE	47A060-70-9 DCN F-22269-A	UNKNOWN	REPLACEMENT	NO
1070-A060-70-24	N/A B2P 1-9-93	NONE	NONE	47A060-70-24 DCN F-22270-A	UNKNOWN	REPLACEMENT	NO

7. Description of Work MODIFY REAR PLATE FOR FUSION INVESTIGATION.

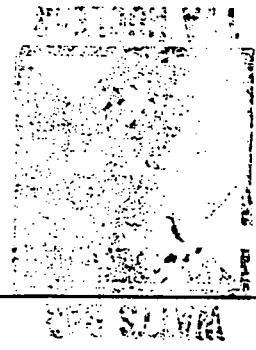
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A B2P 1-9-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-009. B2P 1-9-93

Applicable Manufacturer's Data Reports to be attached



CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 1-9-93

Certificate of Authorization No. N/A B2P 1-9-93 Expiration Date N/A B2P 1-9-93

Signed Bradford K. Perdue Date Jan 9 19 93 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO' of

have inspected the components described in this Owner's Report during the period 1/23/93 to 1/23/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Bruce M. Earmagh Commissions TN 2534 National Board, State, Province, and Endorsements

Date 1/23 19 93



AUG 25 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-8-93  
Name  
400 W. Summit Hill Drive, Knoxville, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO Box 2000, Spring City, TN 37771 WP D-14941-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL + VOLUME CONTROL / 063, <sup>062 910-93</sup> SAFETY INJECTION / 063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A <sup>910-93</sup> Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1062-1-62-49B</del>	<del>N/A</del> <sup>910</sup> A 1-8-93	<del>NONE</del>	<del>NONE</del>	<del>N/A</del> <sup>910</sup> A 1-8-93	<del>UNPROV</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>1063-1-63-102</del>		<del>NONE</del>	<del>NONE</del>				
<del>1063-1-63-416</del>		<del>NONE</del>	<del>NONE</del>				
<del>1063-1-63-492</del>		<del>NONE</del>	<del>NONE</del>				
				A 910 1-8-93			

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A 910 1-8-93

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-010 *dy* 1/9/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

*N* *775 1-9-73*  
*A*

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

*[Signature]*  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

*1-9*

19 *93*

CERTIFICATE 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 I/I Co of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/29/93 to 1/29/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earmly*  
Inspector's Signature

Commissions \_\_\_\_\_

*TN 2534*

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

*1/29*

19 \_\_\_\_\_

*93*



AUG 03 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address  
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address  
3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Date 1-9-93  
Sheet 1 of 3 2 1 ~~298~~  
Unit 1  
WP D-04591-09  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp 970  
Authorization No. N/A 1-8-93  
Expiration Date

4. Identification of System CHEMICAL AND VOLUME CONTROL / 062  
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A 970-8-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-240	N/A 1-9-93	NONE	NONE	N/A 1-9-93	UNBUILT	REPLACEMENT	NO
1062-1-62A-241	↓	↓	↓	↓	↓	↓	↓
1062-1-62A-242							
1062-1-62A-246							
1062-1-62A-247							
1062-1-62A-247							

7. Description of Work SUPPORT MODIFICATIONS + GRINDING FLUSH PIPE WELD

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A 970, 1-9-93

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.

WP D-04591-09

PAGE 6A. CONTD ON 7

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-011

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE <sup>REPAIR AND</sup>

We certify that the statements made in the report are correct and this <sup>REPLACEMENT</sup> conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

~~U A 97A 1-9-93~~

Certificate of Authorization No.

Expiration Date

Signed

*[Signature]*  
Owner or Owner's Designee, Title

Date

1/9/93

19 93

CERTIFICATE 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 IN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 8-3-92 to 2-8-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*[Signature]*  
Inspector's Signature

Commissions

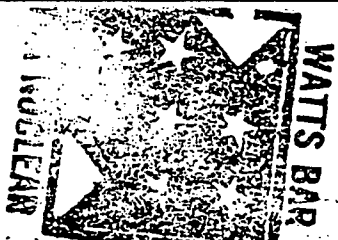
TN 2537

National Board, State, Province, and Endorsements

Date

2-8 1993

DEC 20 1992



Page 6 cont. on Page 7

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-11-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN 37771  
Address WP D 03631-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 1-11-93  
Address
4. Identification of System RESIDUAL HEAT REMOVAL / Sys 074
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, NONE Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION (WINTER 81)

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	N/A	NONE	NONE	ID# 1074-1RHR-VI21	N/A	DELETED	NO

7. Description of Work DELETE SUPPORT
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

WP D03631-02

~~Cost on Page 8~~

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-012

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this DELETION conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. HP Expiration Date 1-11-93

Signed [Signature] Date 11 JAN. 1993  
 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 TN and employed by H.S.B. I & I Co of Hartford, CT. have inspected the components described in this Owner's Report during the period 12-19-92 to 3-20-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20-1993



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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 1-11-93  
400 W. SUMMIT HILL DR, KNOXVILLE, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. Box 2000, SPRINGCITY, TN 37771 Address WORKPLAN D-15486-02 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH. MODIFICATIONS Name Type Code Symbol Stamp  
WATTS BAR NUCLEAR PLANT Address Authorization No. N/A B2P 1-11-93 Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM 62
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A B2P 1-11-93 Addenda, N/A B2P 1-11-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>CHARGING PUMP 1-PMP-62-104 B</u>	<u>PACIFIC PUMPS</u>	<u>48591</u>	<u>15</u>	<u>WAT CS APCH-02 DCA'S M15486-04-0, M15486-05-0, M15486-06-0, M15486-08-0.</u>	<u>1974</u>	<u>REPAIR Δ<sup>1</sup></u>	<u>YES</u>
				<u>N/A B2P 1-11-93</u>			

7. Description of Work Δ 2 ADD WELD METAL TO ALIGNMENT AND CENTERING FIN OF CHARGING PUMP 1B-B.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A B2P 1-11-93

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.

Δ 1 REPLACEMENT 1-B2P N BY CUTTING ACCESS HOLES

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Δ 2 MODIFY PUMP BASE TO ALLOW ACCESS TO ADD WELD. ADD COVER PL TO CUT OUTS 1-13-93

DEC 12591092 REPRINT

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-013. B2P 1-11-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR  $\Delta$  1 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B2P 1-11-93

Certificate of Authorization No. N/A B2P 1-11-93 Expiration Date N/A B2P 1-11-93

Signed Burford B. Perdue Date Jan 11, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSP I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/29/93 to 1/29/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/29 19 93

$\Delta$  1 Replacement ~~93~~ 1-13-93

WATTS BAR  
TVA NUCLEAR  
JAN 11 1993

WP D-15486-01  
Page 1E of 1F

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN  
Address

Date 1-12-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
PO BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1  
WORKPLAN D-15486-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR NUCLEAR PLANT  
Name  
PO BOX 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A BAP 1-12-93  
Expiration Date \_\_\_\_\_

4. Identification of System CVCS (062)

5. (a) Applicable Construction Code ASME 1974 Edition, WINTER 77 Addenda, NONE Code Case  
BAP 1-16-93 AISC 7th 73 BAP 1-12-93 BAP 1-12-93  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>CHARGING PUMP 1A-A</u>	<u>PACIFIC PUMPS</u>	<u>48590</u>	<u>13</u>	<u>HPMP-62-108A</u>	<u>1974</u>	<u>REPAIR Δ 1</u> <u>REPLACEMENT</u> <u>BAP 1-12-93</u>	<u>YES</u>
<u>Δ 2 SR 1-13-93</u>							
<u>N/A BAP 1-12-93</u>							
<u>Δ 1 REPLACEMENT SR 1-13-93</u>							
<u>Δ 2 MODIFIED PUMP BASE BY CUTTING ACCESS HOLES REPRINT 12/91</u> <u>TO ALLOW ACCESS FOR RODING WELD. THEN</u> <u>ADDING COVER PS. SR 1-13-93</u>							

7. Description of Work ADDED WELD TO THE INBOARD ALIGNMENT LOCATION LUGS AND THE  
OUTBOARD CENTERING FIN LOCATION LUGS PER DCM 15486A.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A BAP 1-12-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Δ 1 REPLACEMENT SR 1-13-93  
Δ 2 MODIFIED PUMP BASE BY CUTTING ACCESS HOLES REPRINT 12/91  
TO ALLOW ACCESS FOR RODING WELD. THEN  
ADDING COVER PS. SR 1-13-93

WP D-15486-01

Page 1F cont. on Page 2

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-014. B&P 1-12-93

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE <sup>REPAIR</sup> ~~REPLACEMENT~~ B&P 1-12-93**

We certify that the statements made in the report are correct and this ~~REPLACEMENT~~ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOTE APPLIED

Certificate of Authorization No. N/A Jmt 1-12-93 Expiration Date N/A Jmt 1-12-93

Signed James W. Halley Date JAN. 12, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFF CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/23/93 to 1/23/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnright Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

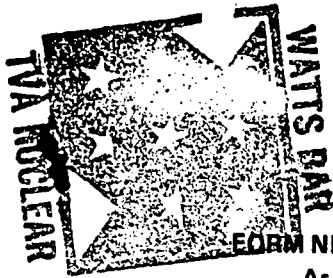
Date 1/23 19 93



JAN 11 1993

Δ1 REPLACEMENT  
1-12-93

JAN 1 1 1993



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 1-11-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
WP D-04586-02  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A 1/11/93  
Expiration Date 1-11-93

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A 1-11-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-89	/	NONE	NONE	/	UNKNOWN	REPLACEMENT	NO
1062-1-62A-95	/	/	/	/	/	/	NO
1062-1-62A-97	/	/	/	/	/	/	NO
1062-1-62A-75	/	/	/	/	/	/	NO
1062-1-62A-96	/	/	/	/	/	/	NO

A  
1-27-93

7. Description of Work SUPPORT MODIFICATIONS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A psi Test Temp. 91.5 °F  
1-11-93

A INSPECTION ONLY...  
NOT REQUIRED...  
ON NIS 2 FORM

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-015 NO 1/12/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N

Certificate of Authorization No. A 110 Expiration Date 1-11-93

Signed [Signature] MECH ENGR. Date 1/11/93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

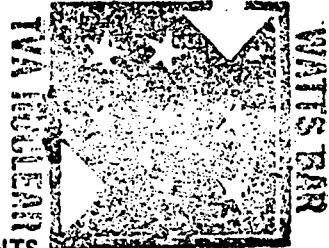
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HS&I C. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-29-91 to 2-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-6 19 93

JAN 11 1993



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-11-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address D-04592-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A 97A  
WATTS BAR NUCLEAR PLANT Expiration Date 1-11-93  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL / 1062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A 97A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 RO THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-315	N/A 97A 1-11-93	NONE	NONE	N/A 97A 1-11-93	MAINTAIN	REPLACEMENT	NO
1062-1-62A-316		↓	↓	↓	↓	↓	NO
1062-1-62A-317		↓	↓	↓	↓	↓	NO
				A	97A 1-11-93		
			N				

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A 97A psi Test Temp. \_\_\_\_\_ °F  
1-11-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D-04592-02

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-016 NO 1/12/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N 91P  
Certificate of Authorization No. A Expiration Date 1-11-93  
Signed [Signature] MECH ENGR Date 1-11-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSEI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-7-91 to 2-5-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Feb. 5, 19 93



# WORK INSTRUCTION D 04667-15

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

1. Owner Tennessee Valley Authority Date 1-12-93  
Name  
400 W. Summit Hill Dr., Knox, TN  
Address  
 2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
PO Box 2000, Spring City, TN 37381  
Address W.P. D-04667-15  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA, Mech. Modifications Type Code Symbol Stamp N/A  
Name Authorization No. WHR 1-12-93  
Watts Bar Nuclear Plant Expiration Date  
Address  
 4. Identification of System Safety Injection System / System 63  
 5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, N/A WHR 1-12-93 Addenda, N/A WHR 1-12-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 thru Winter 1981

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support ①	N/A	None	None	1063-63 -1515-R226	Unknown	Replacement	No
Pipe Support ②	N/A	None	None	1074-A432 -1-5	Unknown	Replacement	No
Pipe Support ③	N/A	None	None	1074-A432 -1-24	Unknown	Replacement	No
Pipe Support ④	N/A	None	None	1074-A432 -1-25	Unknown	Replacement	No
				N A			

7. Description of Work ① Modify per DCAs P04667-146, -147, & -148 (cont'd below)

8. Tests Conducted: Hydrostatic  Pneumatic  WHR 1-12-93  
 Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

- ② Modify per DCA P04667-13
- ③ Modify per DCA P04667-132
- ④ Modify per DCA P04667-133

REPRINT 12/91

MAY 06 1993

# WORK INSTRUCTION D 04667-15

FORM NIS-2 (Back)

9. Remarks Tracking # 93-017 JIMS 1/13/92

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE** *Replacement*

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

Type Code Symbol Stamp N/A *WHR 1-12-93*

Certificate of Authorization No. N/A *WHR 1-12-93* Expiration Date NONE

Signed W.H. Roberts *FE* Date Jan 12, 19 93  
Owner or Owner's Designee, Title

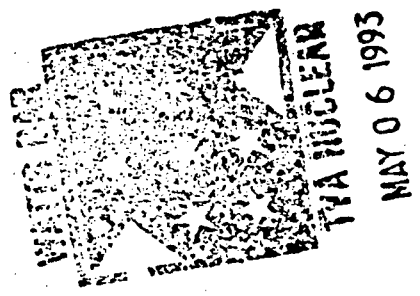
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6-10-92 to 10-19-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN. 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-19 1993



# WORK PLAN No.

D04667-13

Page 6 cont. on Page 6A

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1/13/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37381  
Address WORKPLAN D04667-13  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A SLG  
WATTS BAR NUCLEAR PLANT Expiration Date 1/13/93  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SIS)/SYSTEM #063
5. (a) Applicable Construction Code ASME, 7th 1973 Edition, N/A Addenda, N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A <sup>SLG</sup> 1/13/93	NONE	NONE	1074-A432-2-1 ①	UN-KNDWN	REPLACE- MENT	NO
↓	↓	↓	↓	1074-A432-5-2 ②	↓	↓	↓
↓	↓	↓	↓	1072-A437-1-15 ③	↓	↓	↓
			N				
			A 526	1/13/93			

7. Description of Work ① ADDED TUBE STEEL MEMBER (KICKER) TO EXISTING SUPPORT.  
② REPLACED EXISTING SUPPORT WITH NEW SUPPORT.  
③ DELETE PIPE CLAMPS AND ADDED SHIM PLATES TO ACHIEVE PIPE TO PIPE SUPPORT GAP.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

- ① DCA-P04667-18-0, <sup>1 SLG 1/13/93</sup> -19-1, -02-2.  
 ② DCA-P04667-20-0, -02-2.  
 ③ DCA-P04667-23-0, -24-0, -05-2.

REPRINT 12/91

# WORK PLAN No. DO4667-13

Page 6A cont. on Page 7

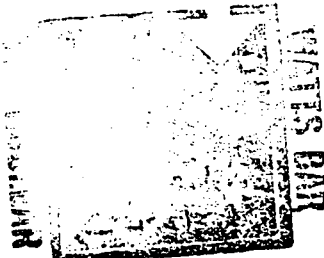
## FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
Tracking # 93-018 1/15/93

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the ASME Code, Section XI. <span style="float: right;">repair or replacement</span>	
Type Code Symbol Stamp	<u>N/A SLG 1/13/93</u>
Certificate of Authorization No.	<u>N/A SLG 1/13/93</u>
Expiration Date	<u>N/A SLG 1/13/93</u>
Signed	<u>Sam L Gentry</u> MECH. ENGR. Date <u>JANUARY 13</u> , 19 <u>93</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Tennessee</u> and employed by <u>HSBTE Co.</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period <u>1-16-92</u> to <u>2-6-93</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Inspector's Signature	<u>Stephen K. Hoar</u> Commissions <u>TN 2533</u> National Board, State, Province, and Endorsements
Date	<u>2-6</u> 19 <u>93</u>

JAN 13 1993



UNITED STATES DEPARTMENT OF COMMERCE

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 1-15-93

400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37381  
Address

WP D 16152-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS.  
Name

Type Code Symbol Stamp \_\_\_\_\_

WATTS BAR NUCLEAR PLANT  
Address

Authorization No. N/A  
Expiration Date 1-15-93

4. Identification of System Chemical Volume Control System (CVCS - sys 062)

5. (a) Applicable Construction Code AISC 7th 1973 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION thru WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	NONE	NONE	ID# 2062-A406-1-17	N/A	REPLACE *	NO
PIPE SUPPORT	N/A	NONE	NONE	2062-A406-1-18	N/A	REPLACE *	NO
PIPE SUPPORT	N/A	NONE	NONE	2062-A435-25-2	N/A	REPLACE *	NO
<del>N/A 2593</del>							

7. Description of Work \*DELETED Supports

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A Test Temp. 1-15-93 °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.

WP D-10152-09

Page 6 cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-019

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 1-15, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/5/93 to 2/5/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5 19 93

JAN 19 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 1-19-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
WP D-14941-28  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A 910  
Expiration Date 1-19-93

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-A060-62-16	<u>N/A 910</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
1062-A060-62-17	<u>N/A 1/19/93</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>A</u> <u>N/A 910</u> <u>1-19-93</u>							

7. Description of Work MODIFY PIPE SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A 910 1-17-93

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.



WP D-14941-28

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-020 NO 1/19/93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N 910

Certificate of Authorization No. A 1-19-93 Expiration Date

Signed [Signature] MECH. ENGR. Date 1-19-93, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I F I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1/29/93 to 1/29/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/29 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-22-93  
Name  
400 W. SUMMIT HILL DR., KNOXVILLE TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN. 37771 140 93-00125-00  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by PO BOX 2000 SPRING CITY TN. Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. BOX 2000 SPRING CITY TN. Expiration Date EF 4/24/93  
Address
4. Identification of System: 070 / CCS
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1070-AD60-70-37</u>		<u>FY 1/22/93</u>		<u>47A60-70-37</u>	<u>UNKNOWN</u>	<u>REPAIR</u>	<u>NO</u>

7. Description of Work REAR PLATE WELD REPAIR
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  EF 1/22/93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-21 BY 1/25/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

1/22/93

Certificate of Authorization No.

Expiration Date

Signed

F. Henry  
Owner or Owner's Designee, Title

CONS. ENG.

Date

1/22/93

19

P4M 8/22/95

CERTIFICATE 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 IPI CO of HARTFORD CONN

in this Owner's Report during the period 8/22/95 to 8/22/95 have inspected the components described to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamuel  
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date

8/22

19

95

(12/82)

FY 1/26/93  
 140-93

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

WO-93-00133-00  
 PAGE 285 OF 3756  
 TN 1-27-93

FY 1/26/93  
 28

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-26-93  
Name  
400 W. SUMMIT HILL DRIVE  
KNOXVILLE, TN Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN 37771 Address WO 93-00133-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by P.O. BOX 2000 SPRING CITY, TN. Type Code Symbol Stamp  
Name Authorization No. N/A  
P.O. BOX 2000, SPRING CITY, TN. Address Expiration Date FY 1-26/93

4. Identification of System 070/CCS

5. (a) Applicable Construction Code AISC 7th 19 73 Edition, June 1993 Addenda, 1981 Code Case  
ASME B2P 1-27-93 N/A B2P 1-27-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2070-AD60-70-1</u>		<u>N/A</u>		<u>475060-70-1</u>		<u>REPLA- UNKNOWN CEMENT</u>	<u>NO</u>
<u>FY 1/26/93</u>							
		<u>N/A</u>					

7. Description of Work REPLACEMENT OF ANCHOR REAR PLATE & DEFECTIVE WELD

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A B2P 1-27-93 (NO FUSION FOUND)

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.

W.O. 93-00133-00  
PAGE 24 OF 37 36  
FY 4/28/93 LE

BAP 1-27-93

FORM NIS-2 (Back)

9. Remarks None TRACKING # 93-022

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A Expiration Date 6/26/93

Signed F. Young Resp. Eng. Date 1/26/93, 19\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IBI CO. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 9/9/95 to 9/9/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/9 19 95

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1-26-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE TN. Sheet 1 of \_\_\_\_\_  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO Box 2000, SPRING CITY, TN. 37771 D-16461-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 1/17/2-3-93  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062
5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, NA Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH WINTER 1981. SF1-26-93

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-555-18-16-1	NA <small>SF 1-26-93</small>	NONE	NONE	NA <small>SF 1-26-93</small>	UNKNOWN	<del>REPAIR</del> REMOVE/DELETE	NO
1062-555-18-16-2	NA <small>SF 1-26-93</small>	NONE	NONE	NA <small>SF 1-26-93</small>	UNKNOWN	MODIFY/REPLACEMENT	NO

7. Description of Work SUPPORT REMOVAL & SUPPORT MODIFICATION
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Psi Test Temp. \_\_\_\_\_ °F NA SF 1-26-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-023 SF 1-27-93  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement (DELETE & MODIFY)

Type Code Symbol Stamp NA Stalder

Certificate of Authorization No. \_\_\_\_\_ Expiration Date 1-26-93

Signed S. Forbes MECH ENGR Date 1-26, 19 93  
Owner or Owner's Designee, Title

XB500

CERTIFICATE 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 IN and employed by HSB I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-20-92 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN-2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-26 19 93

JAN 23 1993



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 1/28/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
WORKPLAN # D-14941-27  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/  
Authorization No. WMS 1/28/93  
Expiration Date A

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT # 1062-AD60-62-15</u>	<u>N/ WMS</u> <u>A 1/28/93</u>	<u>NONE</u>	<u>NONE</u>	<u>FDCN # F-22508-A</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<del><u>N</u> <u>A WMS</u> <u>1/28/93</u></del>							

7. Description of Work REMOVED INADVERTENT SEAM WELD BETWEEN PIPE AND REAR PLATE WHICH HAD BEEN FUSED TO THE PIPE IN ERROR. REF. NCR # 6264.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A psi Test Temp. WMS 1/28/93 °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.

WORK INSTRUCTION D-14941-27

Page 7 cont. on Page 8

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached  
93-024 [Signature] 1/28/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 1/28/93  
Certificate of Authorization No. N/A wmo 1/28/93 Expiration Date N/A wmo 1/28/93  
Signed [Signature] Date 1/28, 19 93  
Owner or Owner's Designee, Title

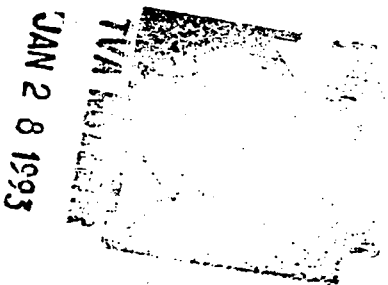
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HS Am 2/5/93 HSB I PI CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/5/93 to 2/5/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5 19 93





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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-1-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE  
Address TN Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN 37771 D-14941-35  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address NA SF2-1-93
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH SEVENTH Addenda, NA Code Case SF2-1-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981.  
WITH 1981 WINTER APPEND A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-A060-62-3	NA SF2-1-93	NONE	NONE	NA SF2-1-93	UNKNOWN	REPLACEMENT	NO
1062-1-62A-876	NA SF2-1-93	NONE	NONE	NA SF2-1-93	UNKNOWN	REPLACEMENT	NO
	NA SF2-1-93						

7. Description of Work SUPPORT MODIFICATION - ADD PLATE STIFFENER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA SF2-1-93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

WP

D-14941-35

Page 1f cont. on Page 2

2 OF 2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-025 2/21/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NAF21-93  
Certificate of Authorization No. Expiration Date  
Signed S Forbes MECH ENGR Date 2-1-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO' of  
have inspected the components described in this Owner's Report during the period 2/12/93 to 2/12/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmouth Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/12 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 1/27/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771 W.P. D-04667-11  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp N/A JED  
Name Authorization No. 1-27-93  
WATTS BAR NUCLEAR PLANT Expiration Date 1-27-93  
Address  
 4. Identification of System SAFETY INJECTION SYSTEM 063 50 2179  
CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062  
 5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A JED 1-27-93 Addenda, N/A JED 1-27-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	<sup>1-27-93</sup> N/A JED	NONE	NONE	R274 1063-63-1515-	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	<sup>1-27-93</sup> N/A JED	NONE	NONE	R291 1063-63-1515-	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT	<sup>1-27-93</sup> N/A JED	NONE	NONE	V132 1063-63-1515-	UNKNOWN	REPLACEMENT	NO
④ PIPE SUPPORT	<sup>1-27-93</sup> N/A JED	NONE	NONE	V134 1063-63-1515-	UNKNOWN	REPLACEMENT	NO
⑤ PIPE SUPPORT	<sup>1-27-93</sup> N/A JED	NONE	NONE	V136 1063-63-1515-	UNKNOWN	REPLACEMENT	NO

7. Description of Work <sup>①</sup> INSTALLED NEW SNUBBER <sup>②</sup> INSTALLED NEW STRUT <sup>③</sup> INSTALLED NEW, BASE R, TUBE STEEL  
<sup>④</sup> REDISIGNED AND INSTALLED NEW SUPPORT <sup>⑤</sup> INSTALLED NEW CLAMP, TUBE STEEL & BASE R

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. JED 1-27-93 °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.

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-026 1/1/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JED 1-27-93

Certificate of Authorization No. N/A JED 1-27-93 Expiration Date N/A JED 1-27-93

Signed Joseph E Davis Date 1-27, 19 93  
Owner or Owner's Designee, Title

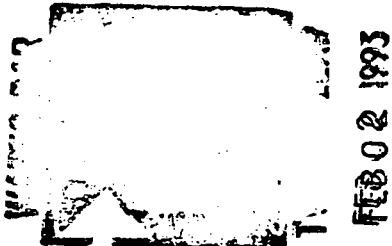
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-7-92 to 6-14-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-14 1993.



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

TVA  
JAN 16 1993

1. Owner TENNESSEE VALLEY AUTHORITY Date 01-29-93  
400 W. SUMMIT HILL DR. KNOXVILLE TN Sheet 1 of 1  
 Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
P.O. BOX 2000 SPRING CITY, TN  
 Address 37771  
 3. Work Performed by TENNESSEE VALLEY AUTHORITY  
P.O. BOX 2000, SPRING CITY, TN 37771  
 Address  
 Repair Organization P.O. No., Job No., etc. WP D-14941-26  
 Type Code Symbol Stamp  
 Authorization No. N/A AC 2-1-93  
 Expiration Date

4. Identification of System CVCS, SYS. 062  
 5. (a) Applicable Construction Code AISC 73 Edition, 7th Addenda, N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH WINTER OF 1981  
 Code Case OF 1981 2/2/93

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1062-A060-62-01	TVA	NONE	NONE	1062-A060-62-01	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-A060-62-06	TVA	NONE	NONE	1062-A060-62-06	UNKNOWN	REPLACEMENT	NO
			NONE				

7. Description of Work REMOVE INADVERTANT SEAL WELDS.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A  
AC 2-1-93

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.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-027 2/2/93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date N/A 2/2/93

Signed Anthony Cutrona, FIELD ENGINEER Date 1-29, 19 93  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1/15/93 to 5/4/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-4 19 93

D14941-26

D-04624-01

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-2-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 Address D-04624-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address Authorization No. NIA / AC 2-2-93  
Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>TH</sup> Addenda, NIA AC 2-2-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-62-1CVK-R157</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-62-1CVK-R159</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NONE</u>							

7. Description of Work REPLACE SSD'S WITH WEDGE BOLTS.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-2-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91



D-04624-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-027 AC 2-3-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

NA AC 2-2-93

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

Anthony Ciccione  
Owner of Owner's Designee, Title

FIELD ENGINEER

Date \_\_\_\_\_

2-2

19 93

CERTIFICATE 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 1. & 1. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 9-7-91 to 3-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions \_\_\_\_\_

TN. 2537

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

3-6

19 93.





NOV 10 1992

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR., KNOXVILLE, TN.  
Address

Date 01/27/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
PO BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WP-D-16461-09  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY  
Name (WBMP)  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A  
Expiration Date w/h 2/3/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
AISC MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT # 1062-555-18-18-3	TVA	NONE	NONE	1062-555-18-18-3	1993	REPLACEMENT	NO

7. Description of Work DELETED SUPPORTS w/h 2/3/93

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F w/h 2/3/93

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.

**D 16461 09**

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 5A cont. on Page 5B

REPRINT 12/91

D 016461 09

FORM NIS-2 (Back)

9. Remarks SPT. NO. 1062-555-18-18-3 HAS BEEN  
DELETED.  
TRACKING NO. 93-028 WYH 2/3/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE  
Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_  
Signed W. Sykatis F.E. Date 1/27 / 1 , 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/6/93 to 2/6/93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eampli Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 2/6 19 93

D 16461 09

Page 5B cont. on Page 6

FEB 04 1993

-05595-01

PAGE 1E CONTD. ON PG. 2 IF AC 2-4-93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-4-93  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE TN.  
Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT. Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address D-05595-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A AC 2-4-93  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System ICE CONDENSER / SYS. 061
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A AC 2-4-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1061-A462-B-3</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<del>AC 2-4-93 N/A</del>							

7. Description of Work SUPPORT DELETED.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-4-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

AC 2-4-93

D-05595-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-030 AC 2-4-93

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A AC 2-4-93 Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-4, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4/3/93 to 4/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93



**FORM NO. 2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
 As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOX, TN.  
Address

Date 2/4/93  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771  
Address

Unit 1  
W.P. D-14941-29  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
 Authorization No. N/A JGD 2/4/93  
 Expiration Date JGD 2/4/93

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062  
 5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, N/A JGD 2/4/93 Addenda, N/A JGD 2/4/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A JGD 2/4/93	NONE	NONE	1062-1-62A-170	UNKNOWN	REPLACEMENT	NO
<del>N/A JGD 2/4/93</del>							

7. Description of Work BASE METAL DEFECT EVALUATION

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Test Temp. JGD 2/4/93 °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-031 by 2/5/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JED 2/4/93

Certificate of Authorization No. N/A JED 2/4/93 Expiration Date N/A JED 2/4/93

Signed Joseph E. Dain Date Feb 4, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/12/93 to 2/12/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Emry Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/12 19 93

WORK INSTRUCTION D-14941-29

~~APPROVED FOR SIGNATURE~~ JED  
2/5/93



FEB 05 1993

D-04595-01

FORM E00030-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-3-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address Unit 1  
D-04595-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NIA/AC 2-3-93  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NIA AC  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-A406-6-4	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
1062-A406-6-63	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>N/A AC 2-3-93</del>							

7. Description of Work ADD FRICTION ANCHORS.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-3-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D-04595-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-032 AC 2-5-93

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A AC 2-3-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-3, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

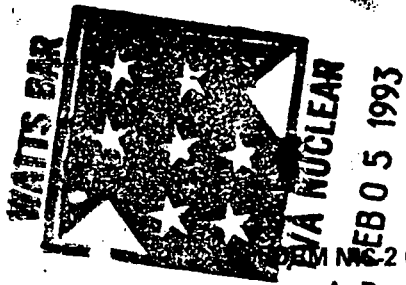
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN. and employed by HSB I. & I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 9-7-91 to 4-3-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 4-3- 19 93.





D-04595-01

FORM NO. 2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-3-93  
 Name  
400 N. SUMMIT HILL DR, KNOXVILLE, TN Sheet 1 of 1  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name  
P.O. BOX 2000, SPRING CITY, TN D-04595-01  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
 Name  
WATTS BAR NUCLEAR PLANT Authorization No. NIA / AC 2-3-93  
 Address Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062.
5. (a) Applicable Construction Code AISC 19 73 Edition, 702 Addenda, NIA AC 2-3-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-854	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
1062-1-62A-869	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>NIA AC 2-3-93</del>							

7. Description of Work ADD SHIM PLATES.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-3-93

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.

D-04595-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-033 AC 2-5-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A AC 2-5-93

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

Anthony Cutrona  
Owner or Owner's Designee, Title

FIELD ENGINEER

Date \_\_\_\_\_

2-3

19 \_\_\_\_\_

93

CERTIFICATE 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 I. & T. CO of Hartford, CT. have inspected the components described in this Owner's Report during the period 9-7-91 to 4-3-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

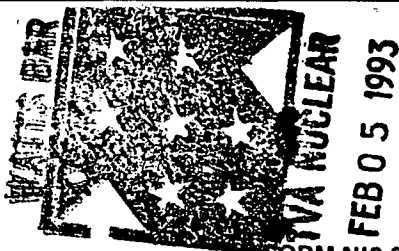
Commissions \_\_\_\_\_

TN 2537

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

4-3-1993



D-04595-01

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 2-3-93  
400 N. SUMMIT HILL DR, KNOXVILLE, TN Address  
 2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 3000, SPRING CITY, TN Address  
 3. Work Performed by TVA - MODIFICATIONS Name Type Code Symbol Stamp  
WATTS BAR NUCLEAR PLANT Address Authorization No. NIA/AC 2-3-93  
 Expiration Date \_\_\_\_\_  
 4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062  
 5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NIA AC  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-G2A-613</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NIA AC 2-3-93</u>							

7. Description of Work INCREASED BASE R SIZE, ADDED WEDGE BOLTS, REPLACED SSD'S W/ WEDGE BOLTS VISC. ANCHOR  
 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-3-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D-04595-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-054 AC 2-5-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

NIA AC 2-3-93

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed Anthony Cichona

FIELD ENGINEER  
Owner or Owner's Designee, Title

Date 2-3

19 93

CERTIFICATE 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 IN and employed by HSB I. & I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 9-7-91 to 4-3-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions \_\_\_\_\_

TN 2527  
National Board, State, Province, and Endorsements

Date 4-3-

19 93.

WP 1646005  
 PG 6 CONT ON  
 PG 6A

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-9-93  
Name  
400 W SUMMIT HILL KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN WP 16460-05  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A-SB  
WATTS BAR NUCLEAR PLANT Expiration Date 2-9-93  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code AISC 19 93 Edition, 17 TH Addenda, N/A 2-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-406-2-35A-1	N/A-SB 2-9-93	NONE	NONE	N/A-SB 2-9-93	UNKNOWN	DELETION/REPLACEMENT	NO
<del>N/A SB 2-9-93</del>							

7. Description of Work Deletion of support
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A SB 2-9-93

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.

WP 16460-05  
Pg 6 A CONT  
ON 6B

P

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NO 93-35 JY 2/9/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ N/A  
2993

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Mark Kelly Date FEB-9, 19 93  
Owner or Owner's Designee Title

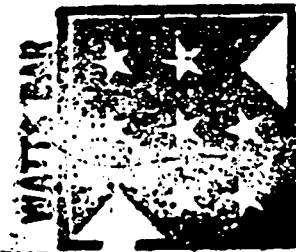
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IN and employed by HSR I. & T. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10/12/92 to 2/9/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9, 19 93



FEB 10 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-9-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address  
D-04535-03  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A AC 2-9-93  
WBNP Address Expiration Date \_\_\_\_\_

4. Identification of System FEED WATER / AUX. FEED WATER - SYS. 003  
 5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A AC 2-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1991

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1003-A427-5 -3	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>AC 2-9-93 N/A</del>							

7. Description of Work ADDED TUBE STEEL BRACE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-9-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-036 AC 2-9-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NIA AC 2-9-93 Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-9, 19 93  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-10-92 to 2-9-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

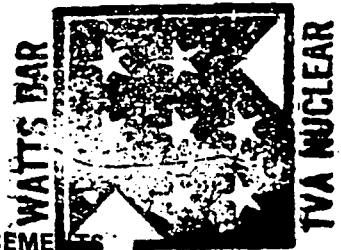
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

Inspector's Signature [Signature] Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 2-9 1993

D-04535-03





FEB 10 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-9-93  
Name  
400 N. SUMMIT HILL DR, KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN D-04535-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name Authorization No. NIA AC 2-9-93  
WBNP Expiration Date \_\_\_\_\_  
Address
4. Identification of System FEED WATER / AUX. FEED WATER - 345.003
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NIA AC 2-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

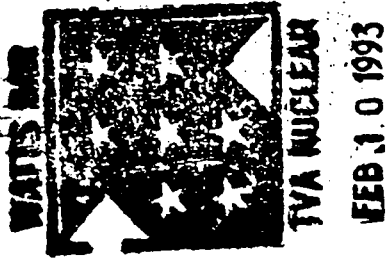
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1003B-1-03B-79</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPAIR</u>	<u>NO</u>
<del>AC 2-9-93 NIA</del>							

7. Description of Work ADDED WELD, TUBE STEEL TO BASE R
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-9-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-037 AC 2-9-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

NIA AC 2-9-93

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed Anthony Cutrone, FIELD ENGINEER Date 2-9, 19 93

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 TN and employed by HSB I & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-10-92 to 9-2-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions \_\_\_\_\_

TN 2537

National Board, State, Province, and Endorsements

Date 9-3 1993.

ID-04535-03



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-9-93  
Name  
900 N. SUMMIT HILL DR., KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN D-04535-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name Authorization No. N/A AC 2-9-93  
NBNP Expiration Date \_\_\_\_\_  
Address
4. Identification of System FEED WATER / AUX. FEED WATER - 545.003
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A AC 2-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

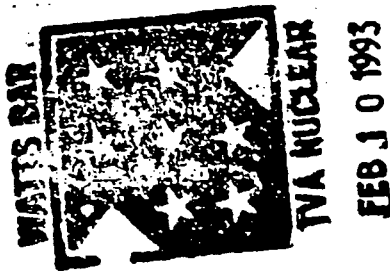
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1003B-1-03B-80</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<del>AC 2-9-93 N/A</del>							

7. Description of Work ADDED NEW BASE R, BEAM ATTACHMENT, AND ANCHOR BOLTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-9-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-038 AC 2-9-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

NIA AC 2-9-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-9, 19 93  
Owner or Officer'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 TN and employed by HSB I & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-10-92 to 9-2-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

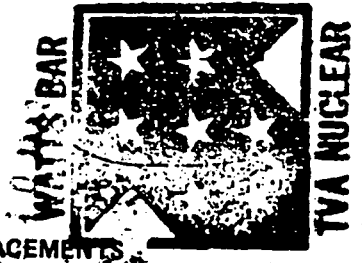
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-2 1993

ID-04585-03

GH AC  
GF 3-12-93



FEB 10 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-9-93  
 Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
 Name  
P.O. BOX 2000, SPRING CITY, TN  
 Address
3. Work Performed by TVA - MODIFICATIONS Unit 1  
 Name  
WBNP  
 Address
- D-04535-03  
 Repair Organization P.O. No., Job No., etc.
- Type Code Symbol Stamp  
 Authorization No. NIA AC 2-9-93  
 Expiration Date
4. Identification of System FEED WATER / AUX. FEED WATER - SYS. 003
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NIA AC 2-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

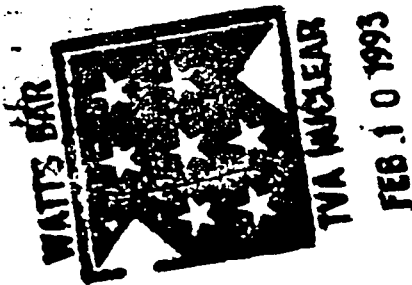
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1003-A427-5 -2</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>AC 2-9-93</u> <u>NIA</u>							

7. Description of Work REPLACED SNUBBER + OTHER SUPT. COMPONENTS.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-9-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-040 AC 2-9-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

NIA AC 2-9-93

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

Anthony Cutrona  
Owner or Owner's Designee, Title

FIELD ENGINEER

Date \_\_\_\_\_

2-9

, 19 \_\_\_\_\_

93

CERTIFICATE 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 I & CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-10-92 to 9-2-93. and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 \_\_\_\_\_

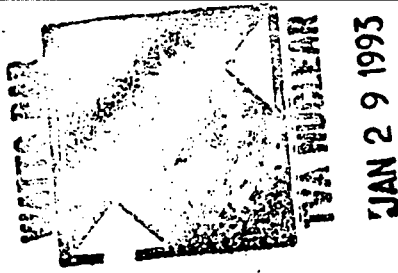
TN2537

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

9-2 19 93

D-04535-03



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 01/29/93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE  
Address TN. Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address WP-D-16460-15  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address Type Code Symbol Stamp \_\_\_\_\_  
 Authorization No. N/A with  
 Expiration Date 2/9/93
4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
ASCC STEEL CONSTRUCTION MANUAL, 7TH EDITION
5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-435-20-2-461	TVA	NONE	NONE	1062-435-20-2-461	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-2-462	TVA	NONE	NONE	1062-435-20-2-462	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-2-465	TVA	NONE	NONE	1062-435-20-2-465	1993	REPLACEMENT	NO
<u>N/A with 2/10/93</u>							

7. Description of Work MODIFIED SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F N/A with 2/9/93

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.

FORM NIS-2 (Back)

9. Remarks SPT. NOS. 1062-435-20-2-461, 462 & 465  
Applicable Manufacturer's Data Reports to be attached  
HAVE BEEN MODIFIED.

TRACKING NO 93-041

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wyhafi's F.E. Date 01/29/ 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & E Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-19-92 to 1-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-25-93 19 \_\_\_\_\_

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Page 7A cont. on Page 76B WYH  
D16460-15 1/29/93



JAN 29 1993



6B cont. on Page 6C

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE  
KNOXVILLE, TN.  
Address

Date 01/29/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (WBND)  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1

WP-D-16460-15  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A

Expiration Date W46 2/9/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

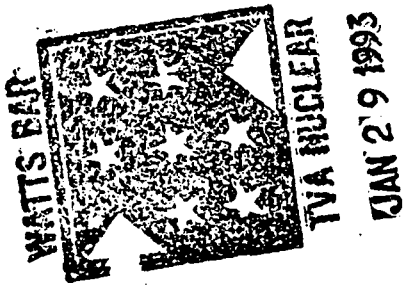
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-435-20- 2-463	TVA	NONE	NONE	1062-435-20 -2-463	1993	REPLACE- MENT	NO
<del>N/A W46 2/10/93</del>							
<del> </del>							
<del> </del>							

7. Description of Work DELETED SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ F N/A W46 2/9/93

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.



FORM NIS-2 (Back)

9. Remarks SPT. NO. 1062-435-20-2-463 HAS BEEN DELETED.  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-042

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wykafis F.E. Date 01/29/ 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-17-92 to 3-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-25-93 19 \_\_\_\_\_

0 16460-15  
Page 6C cont. on Page 7

WATTS BAR

TVA NULL  
FEB 05 1993

WP

D 16460 1:7

Page 6 cont. on Page 6a

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE  
KNOXVILLE, TN  
Address

Date 2/10/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1

WP-D-16460-17  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. BOX 2000, SPRING CITY  
TN 37771  
Address

Type Code Symbol Stamp

Authorization No. N/A

Expiration Date with 2/10/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
ASL STEEL CONSTRUCTION MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SPT. NO. 1062-435-20-5-401</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1062-435-20-5-401</u>	<u>1993</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A</u>							
<u>with 2/10/93</u>							
<u>with 2/10/93</u>							

7. Description of Work DELETED SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F N/A with 2/10/93

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.

FEB 12 1993

WP D 16460 1:7

FORM NIS-2 (Back)

9. Remarks SPT. NO. 1062-435-20-5-401 HAS BEEN DELETED.  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-043

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed WYKATIS F.E. Date 2/10/1993  
Owner or Owner's Designated, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earmack Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

FEB 09 1993



WATTS BAR

# WORK INSTRUCTION D-16460-17

Page 66 cont. on Page 6C

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 02/10/93

400 W. SUMMIT HILL DRIVE  
KNOXVILLE, TN Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37771  
Address

Unit 1

WP-D-16460-17  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp

Authorization No. N/A

Expiration Date WYH 2/10/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
MISC STEEL CONSTRUCTION MANUAL, 7th EDITION

5. (a) Applicable Construction Code 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80

### 6. Identification of Components Repaired or Replaced and Replacement Components

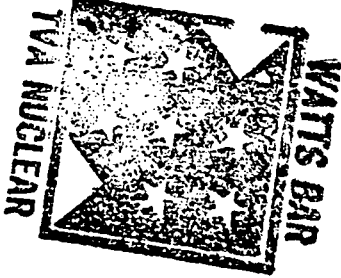
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-435-20-4A-446	TVA	NONE	NONE	1062-435-20-4A-446	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-5-403	TVA	NONE	NONE	1062-435-20-5-403	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-5-521	TVA	NONE	NONE	1062-435-20-5-521	1993	REPLACEMENT	NO
<del>N/A</del>							
<del>WYH 2/10/93</del>							

7. Description of Work MODIFIED SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A WYH 2/10/93

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

FEB 09 1993



WORK INSTRUCTION

D-16460-17  
~~D-16460-1790~~ 2-15-93

FORM NIS-2 (Back)

Page 6c cont. on Page 7

9. Remarks SPT. NOS; 1062-435-20-4A-446, 1062-435-20-  
Applicable Manufacturer's Data Reports to be attached

5-403 & 1062-435-20-5-521 HAVE BEEN DELETED  
MODIFIED with 2/10/93

TRACKING NO. 93-044

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wyha fis F.E. Date 2/10/93 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IFE Co- of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 2/10/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY TN 37771  
Address

Unit 1  
W.P. D-14941-38  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date 2/10/93

4. Identification of System SAFETY INJECTION / SYS. 063

5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, N/A per 2/10/93 Addenda, N/A 2/10/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	<u>N/A per 2/10/93</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-1-63-250</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
② PIPE SUPPORT	<u>N/A per 2/10/93</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-1-63-584</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
			<u>N/A per 2/10/93</u>				
<del>_____</del>							

7. Description of Work ① ADD STIFFNER PLATES ② ADD STIFFNER PLATES

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A per 2/10/93 psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-045 2/10/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 2/10/93

Certificate of Authorization No. N/A 2/10/93 Expiration Date N/A 2/10/93

Signed Joseph E. Poir Date Feb 10, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSRT & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-19-93 to 3-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Jester Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-6, 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 SUMMIT HILL DR. KNOXVILLE, TN.  
Address

Date 2/6/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN.  
Address

Unit 1

W.O. 93-00496-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000, SPRING CITY, TN  
Address

Type Code Symbol Stamp N/A  
Authorization No. SAFM 2/6/93  
Expiration Date

4. Identification of System 015/STEAM GENERATOR BLOWDOWN

5. (a) Applicable Construction Code AISC 7TH EDITION, JUNE, 1973  
Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>4" PIPE CLAMP</u>	<u>BERGEN-PATERSON</u>	<u>N/A SAFM 2/6/93</u>	<u>N/A SAFM 2/6/93</u>	<u>PART II 2690-1.5</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>NO</u>
<u>N/A SAFM 2/6/93</u>							

7. Description of Work REPLACED 4" PIPE CLAMP.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks

93-046 *dy* 2/10/93 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A BNM 2/6/93  
Certificate of Authorization No. N/A BNM 2/6/93 Expiration Date N/A BNM 2/6/93  
Signed Gerys K. Matemp Date Feb 6, 19 93  
Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 2-3-93 to 2-8-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb. 8 19 93

(12/82)

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. Summit Hill Dr., KNOX, TN  
Address
- Date 2-11-93
- Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37381  
Address
- Unit 1
- WP D 14941-41  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address
- Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A  
Expiration Date 2-11-93
4. Identification of System RESIDUAL HEAT REMOVAL (RHR) / Sys. 074
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THE WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE Support	N/A	NONE	NONE	SUPPORT ID# 1074-AC60-74-5	UNKNOWN	Replacement	FEB 02 1993 NO

7. Description of Work MODIFIED rear plate on box anchor (NO PRESSURE BOUNDARY WELDS)
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ Test Temp. \_\_\_\_\_ °F  
2-12-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-047  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A DIR 2-17-93  
Certificate of Authorization No. N/A DIR 2-17-93 Expiration Date N/A DIR 2-17-93  
Signed [Signature] PROJECT ENGR Date 2-12, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 2-1-93 to 3-20-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20 19 93



IFEB 12 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-10-93  
Name  
400 N. SUMMIT HILL DR, KNOXVILLE, TN Sheet 1 of 1  
Address
2. Plant NATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN D-05724-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
NGNP Address \_\_\_\_\_ Expiration Date N/A AC 2-10-93
4. Identification of System RESIDUAL HEAT REMOVAL / 545-074
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A AC 2-10-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RNR-R200</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<del>AC 2-10-93 N/A</del>							

7. Description of Work REPLACED EXIST. SNUBBER + CLAMP W/ HIGHER LOAD RATED SNUBBER + CLAMP.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-10-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-098 AC 2-12-93

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A AC 2-10-93 Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-10, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I&I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/26/93 to 2/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M Earnigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26 19 93

D-05724-03



FEB 12 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-10-93  
Name  
400 N. SUMMIT HILL DR, KNOXVILLE, TN  
Address  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address  
D-05724-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NIA AC 2-10-93  
NBNP Expiration Date \_\_\_\_\_  
Address

4. Identification of System RESIDUAL HEAT REMOVAL / SYS. 074

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NIA AC  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1074-74-1RNR-R199</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<del>AC 2-10-93 NIA</del>							

7. Description of Work REMOVED ENTIRE EXIST. SUPPORT, AND REBUILT SUPT. WITH NEW MAT'L.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-10-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-049 AC 2-12-93

Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A AC 2-10-93

Certificate of Authorization No.

Expiration Date

Signed

Anthony Cutrona FIELD ENGINEER  
Owner or Owner's Designee, Title

Date

2-10

19 93

**CERTIFICATE 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 IPI CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/26/93 to 2/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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

2/26/93

19

D-05724-03



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

1. Owner TENNESSE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOX, TN.  
Address

Date 2/12/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY TN 37771  
Address

Unit 1  
W.P. D-14941-36  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. NA 190  
Expiration Date 2/12/93

4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM #74

5. (a) Applicable Construction Code AISC 7<sup>th</sup> 19 73 Edition, NA 190 2/12/93 Addenda, NA 190 2/12/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	<u>NA 190 2/12/93</u>	NONE	NONE	1074-A060 -74-1	<u>UNKNOWN</u>	REPLACEMENT	NO
<u>NA 190 2/12/93</u>							

7. Description of Work REMOVED INADVERTENT SEAM WELD

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure NA 190 2/12/93 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.

FORM NIS-2 (Back)

9. Remarks Tracking No. 93-050 YMA 2-15-93  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A per 2/12/93

Certificate of Authorization No. N/A per 2/12/93 Expiration Date N/A per 2/12/93

Signed Joseph E Davis Date Feb 12, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I&I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/19/93 to 2/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/19, 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2-13-93  
Name  
400 W. SUMMIT HILL DRIVE ; KNOXVILLE, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 ; SPRING CITY TN. 37381 WP # D14941-37  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. W/A  
WATTS BAR NUCLEAR PLANT Expiration Date 2-13-93  
Address
4. Identification of System SAFETY INJECTION SYSTEM / Sys 063
5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, NONE Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-AD60-63-12</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>PIPE SUPPORT</u>	<u>A</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-AD60-63-10</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work Rework of rear plate on box anchor (NON-PRESSURE BOUNDARY)
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 200 psi Test Temp. \_\_\_\_\_ °F  
2-13-93

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.

FORM NIS-2 (Back)

9. Remarks WP # D14941-37  
Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-051 MAR 2-15-93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] PROJECT ENGR Date 2-13-93, 1993  
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 TN and employed by HSB I. & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-15-93 to 3-20-93. and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20 1993





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

1. Owner TENNESSEE VALLEY AUTHORITY Date 02/15/93  
400 W. SUMMIT HILL DRIVE Name  
KNOXVILLE, TN Address  
 Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
P.O. BOX 2000, SPRING CITY Name  
TN 37771 Address  
D-16460-16  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp  
P.O. BOX 2000, SPRING CITY, Name  
TN 37771 Address  
 Authorization No. N/A  
 Expiration Date WYH 2/15/93
4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
ASCC STEEL & CONSTRUCTION MANUAL, 7TH EDITION
5. (a) Applicable Construction Code 19 Edition, 3 Addenda, N/A Code Case 3943  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-435-20-3-466	TVA	NONE	NONE	1062-435-20-3-466	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-3-467	TVA	NONE	NONE	1062-435-20-3-467	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-4C-526	TVA	NONE	NONE	1062-435-20-4C-526	1993	REPLACEMENT	NO
						N/A	2/1/93

7. Description of Work MODIFIED SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A  
WYH 2/15/93

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.

D16460-16

FORM NIS-2 (Back)

9. Remarks SPT. NOS. 1062-435-20-3-466, 1062-435-20-3-467  
Applicable Manufacturer's Data Reports to be attached  
1062-435-20-4C-526 HAVE BEEN MODIFIED.

TRACKING NO. 93-052

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wykars F.E. Date 2/15/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

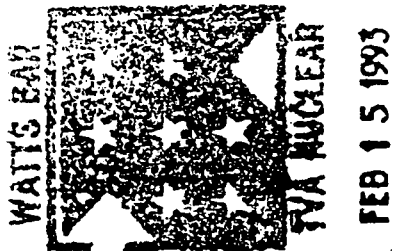
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10/22/92 to 3/11/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

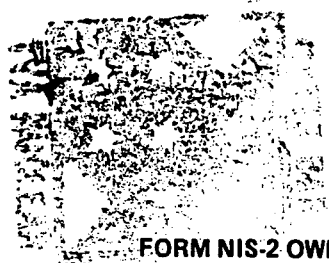
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

[Signature] Commissions TN2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-11- 1993.



FEB 15 1993



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 02/15/93  
 Name 400 W. SUMMIT HILL DRIVE  
KNOXVILLE, TN.  
 Address WATTS BAR NUCLEAR PLANT  
 2. Plant TENNESSEE VALLEY AUTHORITY Sheet 1 of 1  
 Name P.O. BOX 2000, SPRING CITY TN 37771 Unit 1  
 Address TN 37771 Repair Organization P.O. No., Job No., etc. D-16460-16  
 3. Work Performed by TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp \_\_\_\_\_  
 Name P.O. BOX 2000, SPRING CITY TN 37771 Authorization No. N/A  
 Address \_\_\_\_\_ Expiration Date WYH 2/15/93  
 4. Identification of System CHEMICAL & VOLUME CONTROL (062)  
AISC STEEL & CONSTRUCTION MANUAL, 7TH EDITION  
 5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, Addenda, N/A 639.93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 81

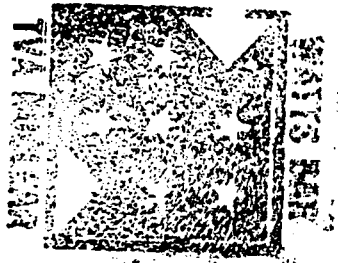
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-435-20-3-468	TVA	NONE	NONE	1062-435-20-3-468	1993	REPLACEMENT	NO
SPT. NO. 1062-435-20-4-457	TVA	NONE	NONE	1062-435-20-4-457	1993	REPLACEMENT	NO
<del>STAS 31193</del>							

7. Description of Work DELETED SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A WYH 2/15/93

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.

FEB 15 1993



Page 6C cont. on Page 7  
WO 01646016

FORM NIS-2 (Back)

9. Remarks SUPPORT NOS. 1062-435-20-3-468 & 1062-435-20-46-  
457 HAVE BEEN DELETED.  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-053

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed [Signature] F.E. Date 2/15/93, 19\_\_\_\_  
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 IN and employed by HSR I & I Co. of Hardford, CT. have inspected the components described in this Owner's Report during the period 10/22/92 to 3/11/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-11 19 93.



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2/16/93  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771 W.P.D-05709-11  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 2/16/93  
Address
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM # 74
5. (a) Applicable Construction Code ASCE, 7<sup>th</sup> 19 73 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	NONE	NONE	1074-74-1RHR-R63	UNKNOWN	REPLACEMENT	NO
<del>N/A</del>							
<del>N/A</del>							
<del>N/A</del>							

7. Description of Work INSTALLED NEW STRUT & END BRACKET
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ Test Temp. \_\_\_\_\_ °F  
2/16/93

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.

FORM NIS-2 (Back)

9. Remarks Tracking No 93-054 mca 2/16/93  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ASME 2/16/93

Certificate of Authorization No. N/A ASME 2/16/93 Expiration Date N/A ASME 2/16/93

Signed Joseph C. Davis Date Feb 16, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 2/26/93 to 2/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26, 19 93

WORK INSTRUCTION D-05909-11

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 3-8-93  
Name  
400 W. Summit Hill Drive, Knoxville, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37381 WP # D15586-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR Plant Expiration Date 3-8-93  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / Sys 063
5. (a) Applicable Construction Code ASME SECTION III 74 Edition, WINTER 75' Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
REFUELING WATER STORAGE TANK	PITTSBURG - DES - MOINES STEEL CO.	56039	1034	1-TANK-063-0046 ①	1978	REPLACEMENT	YES
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work REPLACED BOLTS & NUTS IN THE RWST MANHOLE COVER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A/R 3-8-93

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.

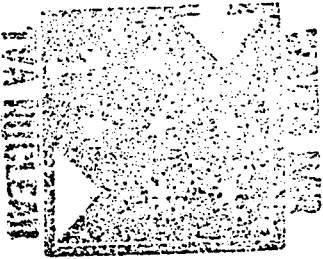
① DCA-M15586-01-0; -02-0; -03-0  
 TANK MK # 47W309-10A ; CONTACT # 76K70-820613

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

MAR 08 1993



WP D15586-01

Page 1e cont. on Page 1f

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-055 3-8-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 3-8-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date 3-8-93

Signed [Signature] PROJECT ENGR Date 8 MARCH, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I+I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-16-93 to 3-8-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-8 19 93

MAILED 11/18/93

FEB 15 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 2/18/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
W.P. D-04591-08  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A  
Expiration Date see 2/18/93

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A see 2/18/93	NONE	NONE	1062-AA06-7-1	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	N/A see 2/18/93	NONE	NONE	1062-AA06-7-2	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT	N/A see 2/18/93	NONE	NONE	1062-AA06-7-7	UNKNOWN	REPLACEMENT	NO
④ PIPE SUPPORT	N/A see 2/18/93	NONE	NONE	1062-AA06-7-6	UNKNOWN	REPLACEMENT	NO
				N/A see 2/18/93			

7. Description of Work ① INSTALLED NEW DESIGNED ② INSTALLED NEW STRUT CLAMP ③ INSTALLED NEW TUBE STEEL ④ INSTALLED FLAT WASHERS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure A psi Test Temp. see 2/18/93 °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.

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-0516 YMS 2-18-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A per 2/18/93

Certificate of Authorization No. N/A per 2/18/93 Expiration Date N/A per 2/18/93

Signed Joseph E. Pao Date 2-18-93, 1993  
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 IN and employed by HSB I & I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 2-1-92 to 4-24-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. P. [Signature] Commissions IN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-24 1993.

WORK INSTRUCTION D-04591-08

JAN 0 9 1

WP D-16152-07

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 N. SUMMIT HILL DR, KNOXVILLE, TN  
Address

Date 2-18-93  
Sheet 1 of 1

2. Plant NATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address

Unit 1  
D-16152-07  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
NBNP  
Address

Type Code Symbol Stamp  
Authorization No. N/A AC 2-18-93  
Expiration Date

4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, NONE Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2062-A060-62-113	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>AC 2-18-93 N/A</del>							

7. Description of Work ADDED KICKER W/ BASE PL + ANCHORS, AND STEFFNER PL.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-18-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-057 AC 2-18-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A AC 2-18-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-18, 19 93  
Owner or Owner's Designee, Title

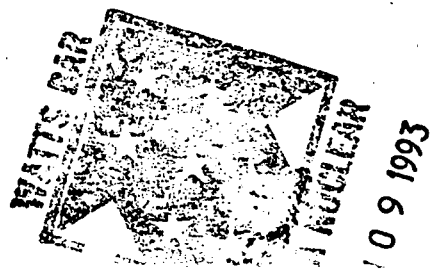
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-8-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-26 19 93.







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

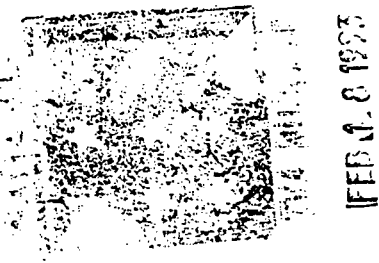
1. Owner TENNESSEE VALLEY AUTHORITY Date 2-18-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN. Sheet 1 of 1  
Address
2. Plant NATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN D-16152-07  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A AC 2-18-93  
NBNP Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2062-A435-25-4	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>AC 2-18-93 N/A</del>							

7. Description of Work ADDED SHIM P.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-18-93

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.



FEB 18 1993

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-058 AC 2-18-93

Applicable Manufacturer's Data Reports to be attached

Three horizontal lines for additional remarks or data reports.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_

N/A AC 2-18-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-18, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

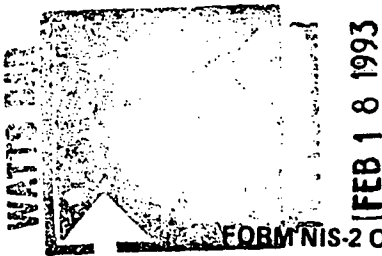
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-8-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-26 19 93

D-16152-04



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

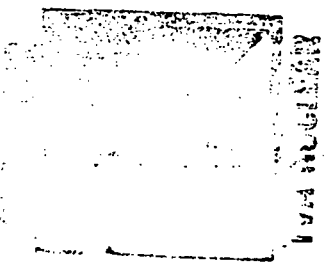
1. Owner TENNESSEE VALLEY AUTHORITY Date 2-18-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN  
Address
2. Plant NATT'S BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN  
Address D-04720-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A AC 2-18-93  
NBNP Expiration Date \_\_\_\_\_  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL / SYS. 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-326	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
1062-1-62A-328	↓	↓	↓	↓	↓	↓	↓
1062-1-62A-329	↓	↓	↓	↓	↓	↓	↓
1062-1-62A-384	↓	↓	↓	↓	↓	↓	↓
			N/A				
			AC 2-18-93				

7. Description of Work SUPPORTS DELETED.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 2-18-93

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.



FEB 18 1993

Page 5B cont. on Page 6

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-059 AC 2-18-93

Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A AC 2-18-93 Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 2-18, 19 93  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-26 19 93

D - 04720 - 02

**WORK INSTRUCTION** D-04667-05

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 2-19-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
WP D-04667-05  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No.  
Expiration Date N/A  
WATTS 2-19-93

4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM 063

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A WHA 2-19-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	<u>N/A</u> <u>WHA</u> <u>2-19-93</u>	NONE	NONE	1063-63-151S -R126	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT		NONE	NONE	1063-63-151S -R152	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT		NONE	NONE	1063-63-151S -R153	UNKNOWN	REPLACEMENT	NO
④ PIPE SUPPORT		NONE	NONE	1063-63-151S -R155	UNKNOWN	REPLACEMENT	NO
⑤ PIPE SUPPORT		NONE	NONE	1063-63-151S -R162	UNKNOWN	REPLACEMENT	NO

7. Description of Work ① Added plates. ② Replaced strut and clamp. ③ Added T.S. and plate. ④ Added plate, replaced clamp and snubber. ⑤ Applied torque to U-bolts.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A WHA 2-19-93 psi Test Temp.          °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.

WORK INSTRUCTION D - 04667-05

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-D6D MEB 2-19-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A W4R 2-19-93  
Certificate of Authorization No. N/A W4R 2-19-93 Expiration Date N/A W4R 2-19-93  
Signed W. H. Roberts F.E. Date Feb. 19, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSR I & I Co. of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 3/5/94 to 3/5/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

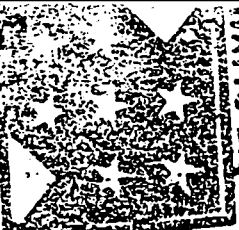
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

B. Enright Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 3/5 19 94



MAR 05 1993

TVA NUCLEAR



WATTS BAR

D 16460 13

Page SA cont. on Page SB

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOWVILLE, TN  
Address

Date 3-5-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
PO BOX 2000, SPRING CITY, TN  
Address

Unit 1  
WORK PLAN D-16460-13  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System CVC (062)

5. (a) Applicable Construction Code SECTION III 1971 Edition, WINTER '72 Addenda, NONE Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 198

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEAL WATER INJECTION FILTER FB	PALL TRINITY MICRO. CORP.	26263	13228	1-062-FLTR -04/13	1975	REPAIRED	YES
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work RELOCATED ASME NAMEPLATE

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A JWH 3-5-93

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.

MAR 05 1993

TVA NUCLEAR



WATTS PAR

D 16460 13  
Page 5B cont. on page 6

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-061

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE APPLIED

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halper, PROJ. ENGR Date MARCH 5, 19 93  
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 TN and employed by H.S.B. I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-4-92 to 3-20-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-20 19 93



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

WATTS BAR  
TVA  
JAN 08 1993

1. Owner TENNESSEE VALLEY AUTHORITY Date 3-2-93  
 Name \_\_\_\_\_  
400 W. SUMMIT HILL DR KNOXVILLE, TN Sheet 1 of 1  
 Address \_\_\_\_\_

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name \_\_\_\_\_  
P.O. BOX 2000 SPRING CITY, TN W.P. D-20761-18  
 Address \_\_\_\_\_ 37771 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
 Name \_\_\_\_\_  
WATTS BAR NUCLEAR PLANT Authorization No. N/A MB 3-2-93  
 Address \_\_\_\_\_ Expiration Date A

4. Identification of System SAFETY INJECTION SYSTEM / 063

5. (a) Applicable Construction Code AISC 1973 Edition, 7<sup>th</sup> Addenda, N/A MB 3-2-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A MB 3-2-93	NONE	NONE	1063-63-25FS -R043	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT		NONE	NONE	1063-63-25FS -R206	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT		NONE	NONE	1063-63-15FS -R114	UNKNOWN	REPLACEMENT	NO

7. Description of Work ① ADDED BELLEVILLE WASHER ASSEMBLY. ② ADDED BELLEVILLE WASHER ASSEMBLY, REPLACED U-BOLT  
③ ADDED BELLEVILLE WASHER ASSEMBLY.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. \_\_\_\_\_ °F  
 MB 3-2-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

**D-20761-1:8**

Page 5A cont. on Page 5B REPRINT 12/91  
 MB 3-2-93

FORM NIS-2 (Back)

3/2/93

9. Remarks

TRACKING NO. 93-063 2/23/93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A MB 3-2-93

Certificate of Authorization No. N/A MB 3-2-93 Expiration Date N/A MB 3-2-93

Signed Michael Binner Date 3-2, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of

have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Eammah Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

n-20761-1:8

5B

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN.  
Address

Date 3-2-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1  
WO # 92-05146-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR MODIFICATION  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. NAKK 3/3/93  
Expiration Date \_\_\_\_\_

4. Identification of System 067 / ERCW

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NAKK 3/3/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 EC - WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-067-A060-67-26</u>		<u>NAKK 3/3/93</u>		<u>47A060-67-26</u>	<u>UNKNOWN</u>	<u>Repaired</u>	<u>NO</u>
<u>NAKK 3/3/93</u>							

7. Description of Work EXCAVATED AREA ON WELD 1-47A060-67-27-1 AND REPAIRED WELD

8. Tests Conducted: Hydrostatic  NAKK 3/3/93 Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks NONE TRACKING # 93-065 MACG 2-4-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date NAEK 3/3/93

Signed Kenneth L. Lewis Date 3-3, 19 93  
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 TN and employed by HSE I & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 2/18/93 to 3/9/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-9, 19 93

APR 08 1993



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 3/3/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
W.P. D-04715-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A 8020 3/3/93  
Expiration Date

4. Identification of System SAFETY INJECTION / SYST 63

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A JED 3/3/93	NONE	NONE	1074-A432-1-31	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	N/A JED 3/3/93	NONE	NONE	1063-63-1515 R216	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT	N/A JED 3/3/93	NONE	NONE	1063-A435-3-14	UNKNOWN	REPLACEMENT	NO
				N/A JED 3/3/93			

7. Description of Work ① REPLACED U-BOLT ② PERFORMED FINAL INSPECTION ③ INSTALLED ATTACHMENT PLATES

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A Test Temp. 800 3/3/93 °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.

MAR 08 1993



Page 6 cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-066 MCH 3-4-93  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JCD 3/3/93

Certificate of Authorization No. N/A JCD 3/3/93 Expiration Date N/A JCD 3/3/93

Signed Joseph E. Davis Date MARCH 3, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFI CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Ewing Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27, 19 93

WORK INSTRUCTION D-04715-01

WATTS BAR



MAR 11 1993

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

1. Owner VALLEY TENNESSEE VALLEY AUTHORITY Date 3-6-93  
YKB Name 3-6-93  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of         
Address
2. Plant WATTSBAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771 D-04592-06  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp         
Name Authorization No. N/A YKB 3-6-93  
WATTSBAR NUCLEAR PLANT Expiration Date         
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS. 062
5. (a) Applicable Construction Code AISC 1973 Edition, 7<sup>TH</sup> (SEVENTH) Addenda, N/A Code Case YKB 3-6-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981  
WITH 1981 WINTER ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-302	N/A YKB 3-6-93	NONE	NONE	N/A YKB 3-6-93	UNKNOWN	REPLACEMENT	NO
1062-1-62A-307	N/A YKB 3-6-93	NONE	NONE	N/A YKB 3-6-93	UNKNOWN	DELETED	NO
1062-1-62A-310	N/A YKB 3-6-93	NONE	NONE	N/A YKB 3-6-93	UNKNOWN	DELETED	NO
1062-1-62A-314	N/A YKB 3-6-93	NONE	NONE	N/A YKB 3-6-93	UNKNOWN	DELETED	NO
1062-1-62A-316	N/A YKB 3-6-93	NONE	NONE	N/A YKB 3-6-93	UNKNOWN	DELETED	NO

7. Description of Work SUPPORT MODIFICATION
8. Tests Conducted: Hydrostatic  Pneumatic  Normal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F  
N/A YKB 3-6-93

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.

WORK PLAN # D-04592-06

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-068 2/23/93 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A Y1B 3-6-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Y. Dalal MECH. ENGR. Date 3-6-1993  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Ewing Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93





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

1. Owner Tennessee Valley Authority Date 3/26/93  
Name  
400 W. Summit Hill Drive, Knoxville, TN  
Address

2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000, Spring City, TN 37381  
Address Unit 1  
WO - MR A 670062  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Watts Bar Nuclear Maintenance Type Code Symbol Stamp N/R  
Name Authorization No. RB 12-21-92  
P.O. Box 2000, Spring City, TN 37381 Expiration Date \_\_\_\_\_  
Address

4. Identification of System 003 - Main & Aux. Feedwater

5. (a) Applicable Construction Code ASME III 19 71 Edition, 573 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-DRV-003-0593	VARWAY VALVE CORP	8668			77	Replacement	Yes
1-DRV-003-0594	VARWAY VALVE CORP.	8701			77	Replacement	Yes

7. Description of Work Replace Stem/Disc Assembly

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NR RB 12-21-92  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-069 by 3/22/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A by 3/22/93 3/22/93

Certificate of Authorization No. N/A by 3/22/93 Expiration Date NA by 3/22/93 22

Signed D. Walter Mech Engr Date 3/22, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBI + I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-92 to 3-24-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN/2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-24 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. Summit Hill Dr Knoxville, TN  
Address

Date 3-22-93

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN 37771  
Address

Unit 1

D-04602-05  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp

Authorization No. NA

Expiration Date SF 3-22-93

4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA SF 3-22-93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-62-1 CVC-R59</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-62-1 CVC-R133</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-A406 3-43</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>SF 3-22-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
	<u>NA</u> <u>SF 3-22-93</u>						

7. Description of Work SUPPORT MODIFICATION

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF 3-22-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-070 3/22/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date NA SF 3-22-93

Signed S. Forbes Date 3-22-93, 19 93  
Owner or Owner's Designee, Title

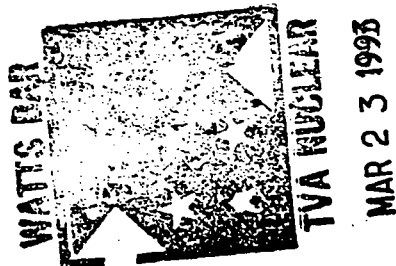
CERTIFICATE OF INSERVICE INSPECTION

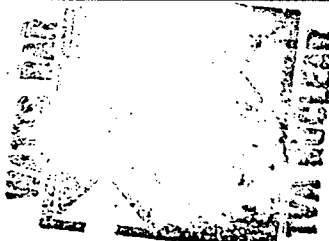
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-13-91 to 5-4-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-4 1993.





JAN 07 1993

WP D 18202 06

Page 5 cont. on Page

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

2. Plant WATTS BAR NUCLEAR PLANT  
Name

P.O. Box 2000, SPRING CITY, TN 37381  
Address

3. Work Performed by TVA, MECH MODIFICATIONS  
Name

WATTS BAR NUCLEAR PLANT  
Address

Date 3-24-93 3-24-93

Sheet 1 of NA RPL 3-24-93 1

Unit 1

D-18202-06  
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. NA RPL 3-24-93  
Expiration Date \_\_\_\_\_

4. Identification of System SAFETY INJECTION SYSTEM (SIS) / System 063

5. (a) Applicable Construction Code ASME, VIII 19 73 Edition, N/A RPL 3-24-93 Addenda, N/A RPL 3-24-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT:</u>							
<u>1063-A435-1-56</u>				<u>NA RPL 3-24-93</u>		<u>Replacement</u>	<u>N/A</u>
<u>1063-A435-1-57</u>	<u>NA RPL 3-31-93</u>	<u>NA RPL 3-24-93</u>		<u>DCN F23292A</u> <u>NA RPL 3-31-93</u>			
<u>1063-A435-1-58</u>				<u>DCN F23794A</u>	<u>NA RPL 3-24-93</u>		
<u>1063-A435-1-68</u>				<u>DCN F22293A</u>			

7. Description of Work NA RPL 3-31-93 1063-A435-1-56: INSTALL NEW SUPPORT FOR 1" PIPE (TUBE STEEL, BASE PLATE)  
1063-A435-1-57: INSTALL NEW SUPPORT FOR 1" PIPE (T.S., BR., PIPE LUGS)  
\* 1063-A435-1-58 AND 68: NEW SUPPORTS FOR 2" PIPES (T.S. + PLATES)

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

NOT REQUIRED  
RPL 3/30/93

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017  
\* 1063-A435-1-58 AND 1-68: NEW SUPPORTS FOR 2" PIPE (TUBE STEEL + PLATE)  
LUGS installed on pipe to ASME III 715-73  
RPL 3-31-93 REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-071 29 3/24/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA RPL 3-24-93

Certificate of Authorization No. NA RPL 3-24-93 Expiration Date NA RPL 3-24-93

Signed Robert P. Len, Mech Engr. Date MARCH 24, 19 93  
Owner or Owner's Designee, Title

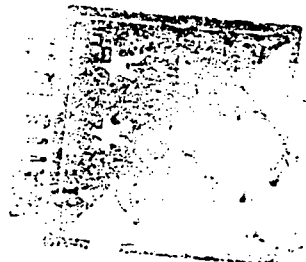
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I Co of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/1/93 to 5/1/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnugh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/1/93 19 \_\_\_\_\_



JAN 07 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2/23/93  
Name

400 W. SUMMIT HILL DR. KNOXVILLE TN Sheet 1 of 1  
Address

2. Plant WATTI BAR NUCLEAR PLANT Unit 1  
Name

P.O. Box 2000 SPRING CITY, TN 37371 WO 92-22920-03  
Address

3. Work Performed by WATTI BAR NUCLEAR PLANT Type Code Symbol Stamp NA 20 2/23/93  
Name

P.O. Box 2000 SPRING CITY TN 37371 Authorization No. NA 20 2/23/93  
Address

Repair Organization P.O. No., Job No., etc.  
Expiration Date NA 20 2/23/93

4. Identification of System RESIDUAL HEAT REMOVAL (7A)

5. (a) Applicable Construction Code ASME III 1971 Edition, SUMMER 73 Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980WB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FBY-74-9	WESTINGHOUSE	100005M 885E H00 B	W14313	NONE	77	REPLACED	YES
<del>NR 20 2/23/93</del>							

7. Description of Work DRILLED PRESSURE RELIEF HOLE IN ONE DISC.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NONE REQUIRED

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-073 by 2/23/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA by 2/23/93

Certificate of Authorization No. NA by 2/23/93 Expiration Date NA by 2/23/93

Signed Danny M. Watson Mech. Engr. Date Feb. 23, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & T Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-7-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Hester Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-25- 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 2/23/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
W.P. D-05698-16  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A  
Expiration Date 2/23/93

4. Identification of System RISIDUAL HEAT REMOVAL SYSTEM # 74

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PIPE SUPPORT	N/A <sup>800</sup> 2/23/93	NONE	NONE	1074-R435-1-2	UNKNOWN	REPLACEMENT	NO
2. PIPE SUPPORT	N/A <sup>800</sup> 2/23/93	NONE	NONE	1074-74-1RHR-R35	UNKNOWN	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work 1. & 2 DELETED BOTH SUPPORTS

8. Tests Conducted: Hydrostatic \_\_\_\_\_ Pneumatic  <sup>800</sup> 2/23/93  
Nominal Operating Pressure \_\_\_\_\_  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



FEB 23

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING #93-074 JG 2/23/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JGD 2/23/93

Certificate of Authorization No. N/A JGD 2/23/93 Expiration Date N/A JGD 2/23/93

Signed Joseph E. Davis Date 2-23-93, 19\_\_\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFCO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/1/93 to 3/1/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

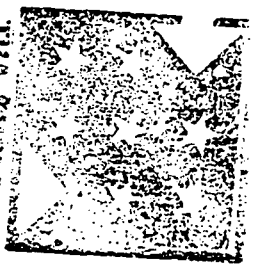
Bruce M. Carrough Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/93 19\_\_\_\_

WORK INSTRUCTION D-05698-14

POS 909C  
00570909

MAR 01 1993  
TVA NUCLEAR



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 2/23/93  
Name  
400 W SUMMIT HILL DRIVE KNOX, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY TN. 37771 Address W.P. D-05709-09  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address Authorization No. N/A ACR 2/23/93  
Expiration Date
4. Identification of System RISIDUAL HEAT REMOVAL SYSTEM # 74
5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 93 Edition, N/A ACR 2/23/93 Addenda, N/A ACR 2/23/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	N/A ACR 2/23/93	NONE	NONE	1074-74 IRHR-R224	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	N/A ACR 2/23/93	NONE	NONE	1074-74- IRHR-R225	UNKNOWN	REPLACEMENT	NO
③ PIPE SUPPORT	N/A ACR 2/23/93	NONE	NONE	1074-74- IRHR-R228	UNKNOWN	REPLACEMENT	NO
④ PIPE SUPPORT	N/A ACR 2/23/93	NONE	NONE	1074-74- IRHR-R223	UNKNOWN	REPLACEMENT	NO
⑤ PIPE SUPPORT	N/A ACR 2/23/93	NONE	NONE	1074-74- IRHR-Y38	UNKNOWN	REPLACEMENT	NO

7. Description of Work ① INSTALLED NEW BASE PLATE ② INSTALLED PEN. LUGS ③ INSTALLED NEW STRUT ASSY.  
④ INSTALLED NEW STRUT ASSY. ⑤ INSTALLED GUSSET'S

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 4 psi Test Temp. 2/23/93 °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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-075 by

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JCD 2/23/93

Certificate of Authorization No. N/A JCD 2/23/93 Expiration Date N/A JCD 2/23/93

Signed Joseph E. Davis Date FEB 23, 19 93  
Owner or Owner's Designee, Title

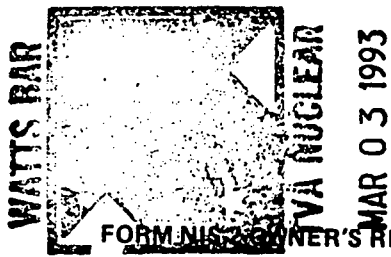
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IN and employed by HSB I. & I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-29-93 to 4-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-10 19 93.



FORM NIS-26 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address  
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address  
3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Date 3-3-93  
Sheet 1 of 1  
Unit 1  
WORKPLAN D-16460-25  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp /  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System CVC (CVC2)  
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEAL WATER INJECTION FILTER IA SUPPORT	TVA	NONE	NONE	48N1221-7 MK1	1993	REPLACEMENT	NO
SEAL WATER INJECTION FILTER IB SUPPORT	TVA	NONE	NONE	48N1221-7 MK1	1993	REPLACEMENT	NO
<u>JWT</u> <u>3-3-93</u>							

7. Description of Work REPLACED BASEPLATE AND ANCHORS PER OCA M16460-138-0

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



D 16460 25

Page 9A cont. on Page 10

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-76 JWH 3-3-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halpin, PROV. ENGINEER Date MARCH 3, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO. of

have inspected the components described in this Owner's Report during the period 3/30/93 to 3/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

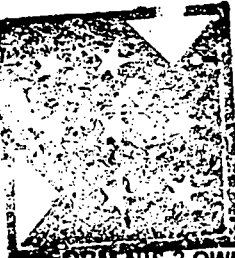
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

Inspector's Signature Bruce M. Earnly Commissions TN 2534  
National Board, State, Province, and Endorsements

Date 3/30/ 19 93

MAR 10 1993

TVA NUCLEAR



WATTS BAR

D 16460 19

Page 1F cont. on Page 1G

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 3-10-93

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN  
Address

WORKPLAN D-16460-10<sup>S</sup> SDR 3-24-93  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name

Type Code Symbol Stamp \_\_\_\_\_

WATTS BAR NUCLEAR PLANT  
Address

Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

N/A JWH 3-10-93

4. Identification of System 062 (CVC)

5. (a) Applicable Construction Code SECTION III 19 71 Edition, WINTER '72 Addenda, NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEAL WATER INJECTION FILTER 1A	FALL TRINITY MICRO. CORPORATION	26262	13227	1-062-FLTR -04/1A	1975	REPLACEMENT	YES
<u>N/A JWH 3-10-93</u>							

7. Description of Work RELOCATED ASME NAMEPLATE TO ALLOW ATTACHMENT OF SUPPORT 1062-406-2-19-6.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A JWH 3-10-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-078 JWH 3-10-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halley, PROJ ENGR. Date MARCH 10, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO-

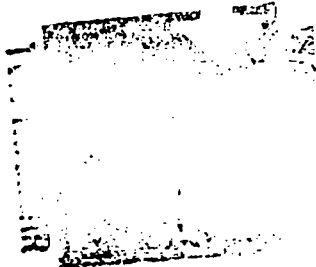
have inspected the components described in this Owner's Report during the period 4/3/93 to 4/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamraff, Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

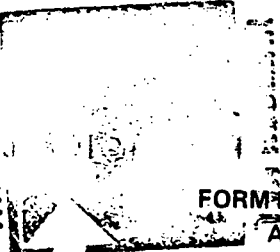
Date 4/3 19 93

MAR 10 1993





WATTS BAR



APR 07 1993

WP D-16152-03  
Form 1D

FORM NO. 3 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. Summit Hill Dr Knoxville, TN  
Address

Date 3-11-93  
Sheet 1 of     

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000 SPRING CITY, TN 37771  
Address

Unit 1  
D-16152-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp NA  
Authorization No. SF  
Expiration Date 3-11-93

4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981, w/ 1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2062-62-2CVC-R29	NA SF 3-11-93	NONE	NONE	NA SF 3-11-93	UNKNOWN	REPLACEMENT	NO
2062-62-2CVC-R32	NA SF 3-11-93	NONE	NONE	NA SF 3-11-93	UNKNOWN	REPLACEMENT	NO
2062-AA06-1-16	NA SF 3-11-93	NONE	NONE	NA SF 3-11-93	UNKNOWN	REPLACEMENT	NO
<del>NA SF 3-11-93</del>							

7. Description of Work DELETE 3 SUPPORTS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure      psi Test Temp.      °F NA SF 3-11-93

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.

WP D-16152-03  
PAGE 1E WORK COPY 2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-079. SF 3-11-92  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ NASE 31-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Forbes Date 3-11- 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

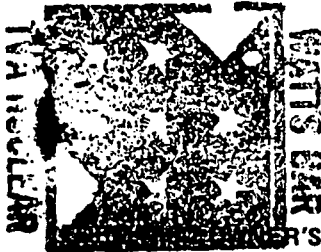
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-7-92 to 3-27-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2539.  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-27 19 93

MAR 03 1993



REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address  
WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Date 03/03/93

Sheet 1 of 1

Unit 1

D-16460-20  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp

Authorization No. N/A

Expiration Date W/h 3/3/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPT. NO. 1062-1-62A-121	TVA	NONE	NONE	1062-1-62A-121	1993	REPLACEMENT	NO
SPT. NO. 1062-1-62A-134	TVA	NONE	NONE	1062-1-62A-134	1993	REPLACEMENT	NO
<u>N/A</u> <u>W/h 3/3/93</u>							

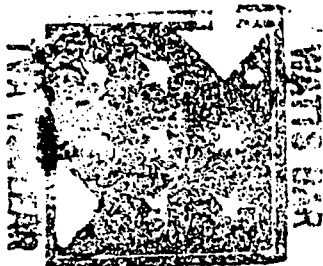
7. Description of Work MODIFIED SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

W/h 3/3/93

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.

MAR 03 1993



WP# D-16460-20

FORM NIS-2 (Back)

9. Remarks SPT. NOS. 1062-1-62A-121 & 1062-1-62A-134 HAVE BEEN MODIFIED  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-080

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed W. Y. Galt F.E. Date 3/17/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I&I CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4/3/93 to 4/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce M. Earnigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93

WATTS BAR



JAN 28 1993

WPD-05698-13

PAGE 7 CONT'D ON PAGE 7A

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE, TN  
Address

Date 3-17-93

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN 37771  
Address

Unit 1

D-05698-13  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A

Expiration Date Y13 3-17-93

4. Identification of System RESIDUAL HEAT REMOVAL SYS. 74, 63

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH SEVENTH Addenda, N/A Code Case Y13 3-17-93

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THRU 1981  
WITH 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1074-74-1RHR-RG	N/A Y13 3-17-93	NONE	NONE	N/A Y13 3-17-93	UNKNOWN	REPLACEMENT	NO
1063-A435-1-SD	N/A Y13 3-17-93	NONE	NONE	N/A Y13 3-17-93	UNKNOWN	REPLACEMENT	NO
				N/A Y13 3-17-93			

7. Description of Work SUPPORT MODIFICATIONS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A Y13 3-17-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

W.P. # ~~0068013~~ D-05698-13  
~~PAGE 7A OF 8~~ YKD 3-17-93 RWP 1/27/93

PAGE 7A CONTINUED ON PAGE 8

SHT. 2 OF 2

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-081  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A YKD 3-17-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed YK Dalal MECH. ENGR. Date 3-17-1993  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

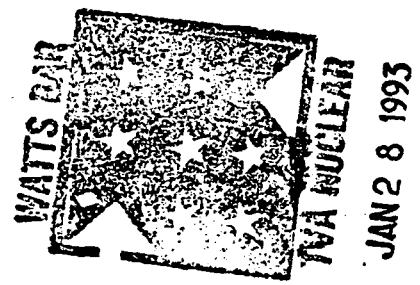
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IET CO. of \_\_\_\_\_

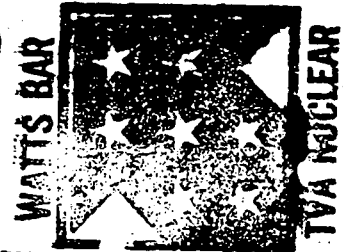
\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4/5/93 to 4/5/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/5 19 93





MAR 18 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 3/18/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37771  
Address

Unit 1

WORKPLAN # D-04591-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/

Authorization No. WMD 3/18/93

Expiration Date A

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 73 Edition, N/A WMD 3/18/93 Addenda, N/A WMD 3/18/93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u> <u>1062-1-62A-256</u>	<u>N/A WMD 3/18/93</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04591-25</u> <u>DCA-P04591-26</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A WMD 3/18/93</u>							

7. Description of Work INSTALLED NEW FRICTION ANCHOR, 2 SWAY STRUTS, AND TUBE STEEL.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N psi Test Temp. A WMD 3/18/93 °F

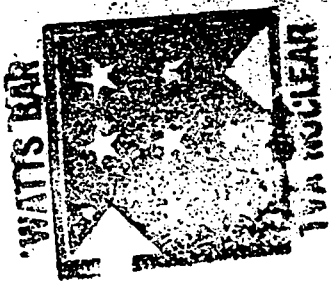
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

Page 6 cont. on Page 6A



MAR 16 1993

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-082

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A WMD 3/18/93 Expiration Date N/A WMD 3/18/93

Signed M L Dodd Date 3/18, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/27/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

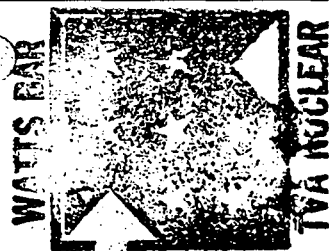
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

Bruce M Ewing Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

WORK INSTRUCTION D-04591-04





MAR 18 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

wmo 3/18/93  
Date 3/18/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WORKPLAN # D-04591-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/A  
Authorization No. NA wmo 3/18/93  
Expiration Date A

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, NA wmo 3/18/93 Addenda, NA wmo 3/18/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u> <u>062-1-62A-534</u>	<u>N/A wmo 3/18/93</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04591-78</u> <u>DCA-P04591-79</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A wmo 3/18/93</u>							

7. Description of Work REPLACED EXISTING PSA 1/4 SNUBBER WITH NEW PSA 1 SNUBBER AND NEW TUBE STEEL, BASEPLATE, ANCHORS, AND PIPE CLAMP.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure NA psi Test Temp. wmo 3/18/93 °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.

(12/82)

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REPRINT 12/91

Page 6B cont. on Page 6C



*AD 16-93*  
IE  
2

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

- Owner TENNESSEE VALLEY AUTHORITY Date 3-20-93  
Name  
400 W SUMMIT HILL DR KNOXVILLE, TN  
Address
- Plant WATT'S BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN 37771  
Address
- Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp  
Name  
WATT'S BAR NUCLEAR PLANT Authorization No. NA  
Address Expiration Date SF 3-20-93
- Identification of System CHEMICAL AND VOLUME CONTROL  
SF 3-20-93
- (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981, WITH 1981 WINTER ADDENDA
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2062-62-2CVC-R15	NA SF 3-20-93	NONE	NONE	NA SF 3-20-93	UNKNOWN	REPLACEMENT	NO
2062-62-2CVC-R20	NA SF 3-20-93	NONE	NONE	NA SF 3-20-93	UNKNOWN	REPLACEMENT	NO
2062-62-2CVC-R22	NA SF 3-20-93	NONE	NONE	NA SF 3-20-93	UNKNOWN	REPLACEMENT	NO
2062-62-2CVC-R26	NA SF 3-20-93	NONE	NONE	NA SF 3-20-93	UNKNOWN	REPLACEMENT	NO
	NA SF 3-20-93						

- Description of Work DELETE FOUR SUPPORTS.
- Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF 3-20-93

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.

JAN 11 1993

Page 1E cont. on Page 2

D1615202

2 OF 2

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-084 SF3-20-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. ~~repair or replacement~~

Type Code Symbol Stamp NA SF 3-20-93

Certificate of Authorization No. NA SF 3-20-93 Expiration Date NA SF 3-20-93

Signed S Forbes MECH ENGR Date 3-20-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4/3/93 to 4/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Egan Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93

JAN 11 1993

Page 5A cont. on Page 5B

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W Summit Hill DR. Knoxville, TN  
Address

Date 3-20-93

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000 Spring City, TN 37771  
Address

Sheet 1 of 2

Unit 1

D-04601-02  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. NA  
Expiration Date SF 3-20-93

4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062 062

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-A060-62-143</u>	<u>NA SF3-20-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA SF3-20-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>ND</u>
<u>NA SF 3-20-93</u>							

7. Description of Work ADD FRICTION ANCHOR TO SUPPORT.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF 3-20-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER - 93-85 SF3-20-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ NA  
SF 3-20-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Storches MECHANIC Date 3-20- 19 93  
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 TN and employed by HSBI & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1/10/93 to 3/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature \_\_\_\_\_ Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 3-27 19 93.

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN  
Address

Date 3-20-93  
Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit D-04621-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TYA MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp NA  
Authorization No. SF  
Expiration Date 3-20-93

4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062  
SF3-20-93

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements IS 80 THROUGH 1981, WITH 1981 WINTER ADDENDA.

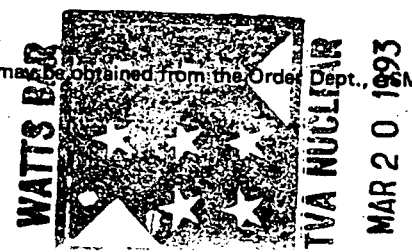
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-62-1CVC-R138	NA SF3-20-93	NONE	NONE	NA SF3-20-93	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R147	NA SF3-20-93	NONE	NONE	NA SF3-20-93	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R150	NA SF3-20-93	NONE	NONE	NA SF3-20-93	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R170	NA SF3-20-93	NONE	NONE	NA SF3-20-93	UNKNOWN	REPLACEMENT	NO
NA							

7. Description of Work MODIFY SUPPORTS.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF 3-20-93

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.



20F2

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-86 SF3-20-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. ~~repair or replacement~~

Type Code Symbol Stamp NA SF3-20-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Storber MECH ENGR Date 3-20-93, 19 93  
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 TN and employed by HSB I & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-19-91 to 4-5-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-5-1993



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

1. Owner Tennessee Valley Authority Date 3/26/93  
Name  
400 W. Summit Hill Dr. Knoxville TN  
Address Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
PO Box 2000, Spring City, TN 37381 WO# 92-22920-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Watts Bar Nuclear Plant Type Code Symbol Stamp N/A DW 3/26/93  
Name Authorization No. N/A DW 3/26/93  
PO Box 2000 Spring City, TN 37381 Expiration Date N/A DW 3/26/93  
Address
4. Identification of System Residual Heat Removal (074)
5. (a) Applicable Construction Code ASME III 1971 Edition, Summer 73 Addenda, N/A Code Case DW 3/26/93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-FCV-74-8A</u>	<u>Westinghouse</u>	<u>10000GM 8852H 0003</u>	<u>W14312</u>	<u>None</u>	<u>77</u>	<u>Replaced</u>	<u>Yes</u>
			<u>DW 3/26/93</u>				
			<u>N.P.</u>				

7. Description of Work Drilled Pressure Relief Hole in one Disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F None Required DW 3/26/93

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.

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-087 dy 3/26/93  
93  
dy  
3/26/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A OW 3/26/93

Certificate of Authorization No. N/A OW 3/26/93 Expiration Date N/A OW 3/26/93

Signed Danny M. Watson Mech. Engr. Date March 26, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & E Co of Hartford, CT have inspected the components described in this Owner's Report during the period 1-7-93 to 3-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-26 19 93

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

1. Owner Tennessee Valley Authority Date 3/26/93  
Name  
400 W Summit Hill Dr. Knoxville, TN  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
PO Box 2000, Spring City, TN 37381  
Address WO No. 92-22920-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Watts Bar Nuclear Plant Type Code Symbol Stamp N/A DW 3/26/93  
Name Authorization No. N/A DW 3/26/93  
PO Box 2000, Spring City, TN 37381 Expiration Date N/A DW 3/26/93  
Address
4. Identification of System Residual Heat Removal (074)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer '73 Addenda, N/A Code Case DW 3/26/93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 BOWBI

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-74-ZB	Westinghouse	14000 GM 885EH 0001	W11959	None	77	Replacement	Yes
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work Drilled Pressure Relief Hole in one Disc.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  None Required.  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F. DW 3/26/93

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.

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-038 <sup>Applicable Manufacturer's Data Reports to be attached</sup> by 3/26/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. <sub>repair or replacement</sub>

Type Code Symbol Stamp N/A DW 3/26/93  
Certificate of Authorization No. N/A DW 3/26/93 Expiration Date N/A DW 3/26/93  
Signed Danny M. Watson Date March 26, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSBFI Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-7-93 to 3-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-26 19 93

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

1. Owner Tennessee Valley Authority Date 3/26/93  
Name  
400 W. Summit Hill Dr. Knoxville, TN  
Address
2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
PO Box 2000, Spring City, TN 37381  
Address Unit 1  
WO # 92-22920-00  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Watts Bar Nuclear Plant Type Code Symbol Stamp N/A DW 3/26/93  
Name Authorization No. N/A DW 3/26/93  
PO Box 2000 Spring City TN 37381 Expiration Date N/A DW 3/26/93  
Address
4. Identification of System Residual Heat Removal (74)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer 73 Addenda, N/A <sup>DW 3/26/93</sup> Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80WB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-74-1A	Westinghouse	K4000GM 88SEHO1 06571062	W11960	None	77	Replaced	Yes
<del>_____ NIR DW 3/26/93</del>							

7. Description of Work Drilled Pressure Relief Hole in one Disc.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F None Required.  
DW 3/26/93

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

TRACKING # 93-089      Applicable (Manufacturer's Data Reports to be attached) 9/29 3/29/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A DW 3/26/93

Certificate of Authorization No. N/A DW 3/26/93 Expiration Date N/A DW 3/26/93

Signed Danny M. Watson Date March 26, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 3/29/93 to 3/29/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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      Commissions TN-2534  
Inspector's Signature      National Board, State, Province, and Endorsements

Date 3/29 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 3-30-93  
Name  
400 W-SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address  
 Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN-37771  
Address  
WP# D-18202-07  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name  
June 3/30/93 2 Authorization No. N/A June 3/30/93  
PO BOX 2000 SPRING CITY TN Expiration Date \_\_\_\_\_  
Address

4. Identification of System 063

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

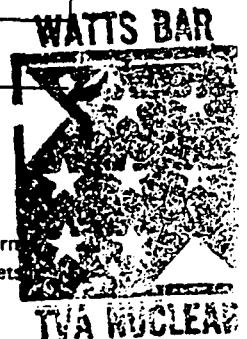
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-A435-1-59				3/30/93 DCA-18202-37	N/A	Replaced	NO
1063-A435-1-60				DCA-18202-37		↑	↑
1063-A435-1-61				DCA-18202-38		↑	↑
1063-A435-1-62				DCA-18202-39	N/A	Replaced	NO

7. Description of Work THESE ARE NEW SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A JWA 3/30/93

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 recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-090 by 3/30/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. \_\_\_\_\_ repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ N/A 3/30/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Jimmy W. Black Date 3-30, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

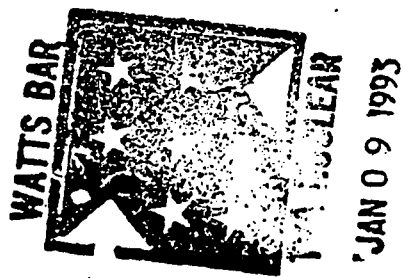
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO- of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/3/93 to 5/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature B. Earnest Commissions TN 2534  
National Board, State, Province, and Endorsements

Date 5/3 19 93





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

1. Owner TENNESSEE VALLEY AUTHORITY Date 3-30-93  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY TN. 37771 WP# D-17667-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000 SPRING CITY TN. Expiration Date \_\_\_\_\_  
Address NA DC 3-30-93
4. Identification of System 68 REACTOR COOLANT
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 1068-1-68-001		<u>NA DC 3-30-93</u>		<u>DCA M17667-12</u> <small>DC 3-30-93</small>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
② 1068-1-68-005		<u>NA DC 3-30-93</u>		<u>DCA M17667-12</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NA DC 3-30-93</u>							
<del>WATTS BAR</del>							

7. Description of Work ① SET SPRING CAN ② INSTALL ITEM NO-8 & SET SPRING CAN
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA DC 3-30-93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

MAR 13 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-091 by 3/30/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NA DC 3-30-93 Expiration Date \_\_\_\_\_

Signed Del Coakland Date 3-30, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 9/10/93 to 9/10/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN-2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/10 19 93

MAR 10 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 3/22/93  
W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
WATTS BAR NUCLEAR PLANT Unit 1  
Box 2000, SPRING CITY, TN. 37771 WORKPLAN # D-04585-01  
 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA, MECH. MOOS Type Code Symbol Stamp N/  
WATTS BAR NUCLEAR PLANT Authorization No. wmo  
 Expiration Date A 3/22/93  
 4. Identification of System SYSTEM # 062, CVCS  
 5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/A 3/22/93 Addenda, N/A 3/22/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements BO THROUGH WINTER OF 1951 ADDENDA  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT # 1062-1-62A-034	N/ wmo A 3/22/93	NONE	NONE	DCA-P04585-08 DCA-P04585-05	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-067	N/ wmo A 3/22/93	NONE	NONE	DCA-P04585-08 DCA-P04585-09 DCA-P04585-10	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-063	N/ wmo A 3/22/93	NONE	NONE	DCA-P04585-06 DCA-P04585-07	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-066	N/ wmo A 3/22/93	NONE	NONE	DCA-P04585-12 DCA-P04585-13	UNKNOWN	REPLACEMENT	NO

7. Description of Work 1062-1-62A-034 - MODIFIED SUPPORT TO INCLUDE AN ADDITIONAL PSA 1/4 SMI BARR.  
1062-1-62A-067 - MODIFIED SUPPORT TO INCREASE T.S. SIZE AND THICKNESS  
1062-1-62A-063 - MODIFIED SUPPORT TO INSTALL STIFFENER PLATE.  
1062-1-62A-066 - MODIFIED SUPPORT TO REMOVE EXISTING T.S. AND INSTALL NEW T.S.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/ wmo 3/22/93

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.

WORK INSTRUCTION D-04585-01

Page 3A cont. on Page 4

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-093 wmo 3/30/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 3/22/93

Certificate of Authorization No. N/A wmo 3/22/93 Expiration Date N/A wmo 3/22/93

Signed M.L. Oodd Date 3/22, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of

         have inspected the components described in this Owner's Report during the period 6/16/93 to 6/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmouth Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

WATTS BAR  
MAR 3 7 1993

MAR 05 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 03/31/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address

Unit 1  
D - 04636 - 01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A WYH  
Expiration Date 3/31/93

4. Identification of System 063 (SAFETY INJECTION)

5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

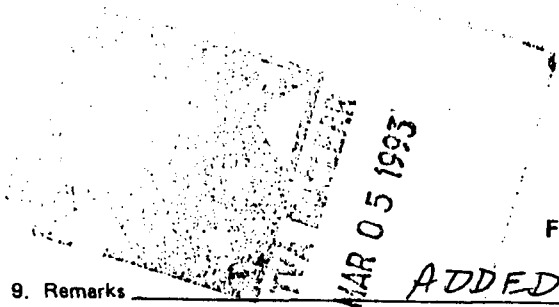
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SPT. NO. 1063-A435-10-42</u>	<u>TVA</u>	<u>NONE</u>	<u>NONE</u>	<u>1063-A435-10-42</u>	<u>1993</u>	<u>REPAIRED</u>	<u>NO</u>
<u>N/A WYH 3/31/93</u>							

7. Description of Work ADDED WELD

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ of N/A WYH 3/31/93

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.



MAR 05 1993

WP# D - 04636 - 01

FORM NIS-2 (Back)

9. Remarks ADDED WELD TO SPT. NO. 1063-A435-  
10-42  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-094

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIRED conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wykafis Date 3/31, 1993  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB TIE CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh Commissions 7112534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

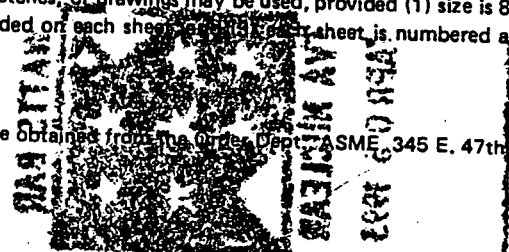
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-5-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 2  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TENNESSEE D-05709-03  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date YKD 4-5-93  
Address
4. Identification of System RHR
5. (a) Applicable Construction Code AISC 1973 Edition, 7<sup>th</sup> SEVENTH Addenda, N/A YKD 4-5-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THRU 1981  
 WITH 1981 WINTER ADDENDA.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1074-74-1RHR-R12	N/A YKD 4-5-93	NONE	NONE	N/A YKD 4-5-93	UNKNOWN	REPLACEMENT	NO	
1074-74-1RHR-R52	N/A YKD 4-5-93	NONE	NONE	4-5-93	UNKNOWN	REPLACEMENT	NO	
1074-74-1RHR-R5	N/A YKD 4-5-93	NONE	NONE	N/A YKD 4-5-93	UNKNOWN	REPLACEMENT	NO	
1074-74-1RHR-R7		NONE	NONE		UNKNOWN	REPLACEMENT	NO	
1074-74-1RHR-R17		NONE	NONE		UNKNOWN	REPLACEMENT	NO	
1074-74-1RHR-R20		NONE	NONE		UNKNOWN	REPLACEMENT	NO	
						UNKNOWN	REPLACEMENT	NO
						N/A YKD 4-5-93		

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F YKD 4-5-93

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.



This Form (E00030) may be obtained from the Order Dept. ASME, 345 E. 47th St., New York, N.Y. 10017

WORK INSTRUCTION D-05709-03

Page 6A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-095 sig 4/5/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A Y1D 4-5-93 Expiration Date \_\_\_\_\_

Signed YK Dalal, MECH. ENGR. Date 4-5-1993  
Owner or Owner's Designee, Title

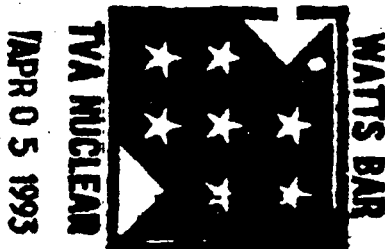
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSBI & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/25/91 to 2/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-17 19 93.





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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4/5/93  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE TN Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN 37381 wyh 4/5/93 D-04636-06  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000, Spring City, TN 37381 Expiration Date N/A wyh  
Address 4/5/93
4. Identification of System SAFETY INJECTION (063)  
AISC STEEL & CONSTRUCTION MANUAL, 7TH EDITION
5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-523	TVA	NONE	NONE	1063-1-63-523	1993	REPLACEMENT	NO
<del>NONE</del>							

7. Description of Work MODIFIED SUPPORT

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ of N/A  
wyh 4/5/93

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.

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MAR 06 1993

WP# D-04636-06

FORM NIS-2 (Back)

9. Remarks SPT. NO. 1063-1-63-523 HAS BEEN MODIFIED.

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-096 by 4/5/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date \_\_\_\_\_

Signed Wyhafes (F.E.) Date 4/5/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB ELEC of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/14/93 to 5/14/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2524  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/14/93 19\_\_\_\_



APR 08 1993

Page 5 of 5

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4/8/93  
 Name 400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
 Name P.O. BOX 2000 SPRING CITY, TN  
 Address W.P. D-16459-05  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
 Name WATTS BAR NUCLEAR PLANT Authorization No.  
 Address Expiration Date 4/8/93
4. Identification of System SAFETY INJECTION SYS. 063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>th</sup> Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1) PIPE SUPPORT	<sup>286</sup> N/A 4/8/93	NONE	NONE	1063-1-63- 956	UNKNOWN	REPLACEMENT	NO
(2) PIPE SUPPORT	N/A 4/8/93	NONE	NONE	1063-1- 63-262	UNKNOWN	REPLACEMENT	NO
(3) PIPE SUPPORT	N/A 4/8/93	NONE	NONE	1063-A435- 36-1	UNKNOWN	REPLACEMENT	NO
(4) PIPE SUPPORT	<sup>286</sup> N/A 4/8/93	NONE	NONE	1063-A435- 7-50	UNKNOWN	REPLACEMENT	NO
(5) PIPE SUPPORT	N/A 4/8/93	NONE	NONE	1063-1- 63-253	UNKNOWN	REPLACEMENT	NO

7. Description of Work (1) ADDED 2x2 PLATE (2) INSTALLED RIBBON STEEL (3) INSTALLED NEW DESIGN (4) INSTALLED NEW BOLTS (5) INSTALLED NEW PLATE SUPPORT
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A Test Temp. 300 °F  
4/8/93

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.

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FORM NIS-2 (Back)

9. Remarks TRACKING # 93-097 JUN 7-8-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SEC 4/8/93  
Certificate of Authorization No. N/A SEC 4/8/93 Expiration Date N/A SEC 4/8/93  
Signed Joseph E. Davis Date 4/8/93, APRIL 8 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. E. ... Inspector's Signature Commission TN 2534 National Board, State, Province, and Endorsements  
Date 6/18 19 93

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

1. Owner TENNESSE VALLEY AUTHORITY Date 4/8/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY TN 37771 Address W.P. D-04535-05  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by IVA MECH. MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address Authorization No. N/A JED  
Expiration Date 4/8/93
4. Identification of System FEED WATER/AUX FEED WATER / S/S 03
5. (a) Applicable Construction Code AISC, 7th 19 93 Edition, N/A 4/8/93 Addenda, N/A 4/8/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER ADDITION THRU WINTER 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1) PIPE SUPPORT	N/A JED 4/8/93	NONE	NONE	1003A-1-03A-403	UNKNOWN	REPLACEMENT	NO
(2) PIPE SUPPORT	N/A JED 4/8/93	NONE	NONE	1003A-1-03A-405	UNKNOWN	REPLACEMENT	NO
(3) PIPE SUPPORT	N/A JED 4/8/93	NONE	NONE	1003A-1-03A-425	UNKNOWN	REPLACEMENT	NO
(4) PIPE SUPPORT	N/A JED 4/8/93	NONE	NONE	1003A-1-03A-424	UNKNOWN	REPLACEMENT	NO

7. Description of Work (1) INSTALLED TUBE STEEL FLATE (2) NEW SUPPORT (3) INSTALLED TUBE STEEL AND CLAMP (4) RELOCATED REAR ATTACHMENT
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure  Test Temp. 4/8/93 °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.

FORM NIS-2 (Back)

9. Remarks TEALKING # 93-098 J. 4-8-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A JED 4/8/93

Certificate of Authorization No. N/A JED 4/8/93 Expiration Date N/A JED 4/8/93

Signed Joseph E Davis Date APRIL 8, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of

         have inspected the components described in this Owner's Report during the period 6/26/93 to 6/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Samph Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/26 19 93

WORK INSTRUCTION D-04535-05

WATTS BAR

JAN 27 '93

WP D-04623-02

Page 6 cont. on Page 7

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 4/12/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, Spring City, TN. 37771  
Address

Unit 1

W.P. # D-04623-02, K-P04623A-  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp N/

Authorization No. WMD

Expiration Date A 4/12/93

4. Identification of System SYSTEM #062, CVCS

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A 4/12/93 Addenda, N/A 4/12/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 BO THROUGH WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>PIPE SUPPORT # 1062-62-11CV-R225</del>	<del>N/WMD 4/12/93</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-P04623-36</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>PIPE SUPPORT # 0062-A555-10-29</del>	<del>A</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-P04623-16 DCA-P04623-17</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
			<del>N</del>	<del>A/WMD 4/12/93</del>			

7. Description of Work 1062-62-11CV-R225 - REPLACED EXISTING ROD AND CLAMP WITH RIGID SWAY STRUT AND CLAMP.  
0062-A555-10-29 - REMOVED EXISTING PIPE CLAMP AND ADDED WELD TO EXISTING BEAM ATTACHMENT. RESET SPRING CANS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A WMD 4/12/93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-99 by 4/12/93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A used 4/12/93

Certificate of Authorization No. N/A used 4/12/93 Expiration Date N/A used 4/12/93

Signed ML Dodd MIKE DODD Date 4/12, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD STEAM BOILER I AND L CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 1-29-93 to 4-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

C.E. Miteany Commissions TN-2633  
Inspector's Signature National Board, State, Province, and Endorsements

Date May 13, 19 93





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

1. Owner TENNESSEE VALLEY AUTHORITY Date APRIL 12, 1993  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN  
Address WORK PLAN D-07886-04  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A JWH 4-12-93  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System CVC (062)
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, N/A JWH 4-12-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A JWH 4-12-93	NONE	NONE	1062-1-62-271	UNKNOWN	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work COPE TS 2X2X1/4 (REF: DCN F-23705-A)
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A JWH 4-12-93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-100 JWH412-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Halcy, PROT. ENGR Date APRIL 12, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 3-9-93 to 4-13-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen B. Auster Commissions TN2533  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/13 19 93



MAR 09 1993

# WORK INSTRUCTION D-04593-02

Page 6A cont. on Page 6B

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4/12/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771 W.P. # D-04593-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Type Code Symbol Stamp N/A  
Name Authorization No. WMO  
WATTS BAR NUCLEAR PLANT Expiration Date 4/12/93  
Address
4. Identification of System SYSTEM # 062, CVCS
5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 19 73 Edition, N/A WMO 4/12/93 Addenda, N/A WMO 4/12/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDOA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1062-1-62A-356	/	NONE	NONE	DCA-P04593-15 DCA-P04593-16	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-358		NONE	NONE	DCA-P04593-17 DCA-P04593-18 DCA-P04593-19	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-359		NONE	NONE	DCA-P04593-20 DCA-P04593-21 DCA-P04593-22	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-361		NONE	NONE	DCA-P04593-23 DCA-P04593-24 DCA-P04593-25	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-362		NONE	NONE	DCA-P04593-26 DCA-P04593-27	UNKNOWN	REPLACEMENT	NO

7. Description of Work 1062-1-62A-356 - REMOVED EXISTING SUPPORT AND INSTALLED NEW SUPPORT.  
1062-1-62A-358 - REMOVED EXISTING T.S., SWAGEL, CLAMP WITH LUGS AND INSTALLED NEW ITEMS.  
1062-1-62A-359 - INSTALLED SHIM PLATE AND INCREASED WELD SIZE AND ADDED WELDS.  
1062-1-62A-361 - REMOVED EXISTING SUPPORT AND INSTALLED NEW SUPPORT.  
1062-1-62A-362 - RELOCATED PIPE CLAMP ON PIPE.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A WMO 4/12/93

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.

WORK INSTRUCTION D-04593-02

Page 6B cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 92-101 of 4/13/92  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. REPLACEMENT repair or replacement

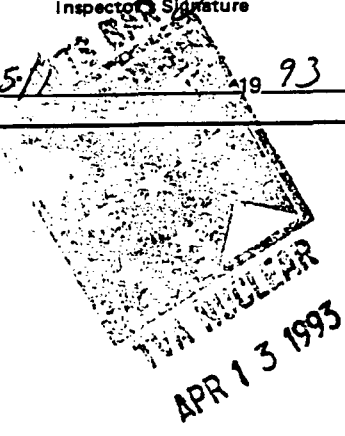
Type Code Symbol Stamp N/A WMO 4/12/93  
Certificate of Authorization No. N/A WMO 4/12/93 Expiration Date N/A WMO 4/12/93  
Signed Mike Dodd MIKE DODD Date 4/12, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

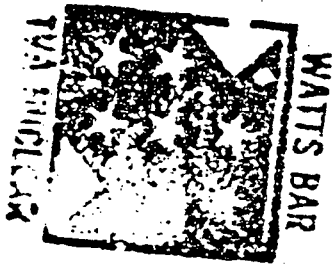
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IET CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/1/93 to 5/1/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamels Commissions TN2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 5/1, 19 93



APR 03 1993



WP # D16448-04

Page 5C cont on Page 5D

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-13-93  
 Name  
400 N. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 1  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name  
PO Box 2000, SPRING CITY, TN. 37771 WORKPLAN 0-16448-04  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA (WBND MODIFICATIONS) Type Code Symbol Stamp  
 Name  
PO Box 2000, SPRING CITY, TN 37771 Authorization No. N/A JUN 4-13-93  
 Address Expiration Date
4. Identification of System ERCW (067)
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A JUN 4-13-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 81 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SUPPORT</u>	<u>N/A</u> <u>JUN 4-13-93</u>	<u>N/A</u> <u>JUN 4-13-93</u>	<u>N/A</u> <u>JUN 4-13-93</u>	<u>1067-450-22-1EB-10</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>JUN 4-13-93</u>							

7. Description of Work REPLACE EXISTG P2558-20 CLAMP WITH NEW P1117 PER F-21477A.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F  
N/A JUN 4-13-93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-102 JUN 4-13-93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Haly P.C.O. ENGR Date APRIL 13, 19 93  
Owner or Owner's Designee, Title JN41393

CERTIFICATE 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 HSE IPE CO of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93



WP = D16448-04

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

Page 5A CONT'D on Page 6E8  
JUL 4-13-93

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 4-13-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1  
WORKPLAN D-16448-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA CWBND MODIFICATIONS  
Name  
PO BOX 2000, SPRING CITY, TN 37771  
Address

Type Code Symbol Stamp  
Authorization No. N/A JUL 4-13-93  
Expiration Date

4. Identification of System ERCW (067)

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A JUL 4-13-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 81 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SUPPORT</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>1067-450-22-1EB-15</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>JUL 4-13-93</u>							

7. Description of Work REMOVE SUPPORT (SUPPORT DELETED)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A JUL 4-13-93

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.

FORM NIS-2 (Back)

Remarks TRACKING NUMBER 93-103 JWH 413-93  
 Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W. Haly, PROV ENGR Date APRIL 13, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmoff Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 4/14/93  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. Box 2000, SPRING CITY, TN., 37771 Address W.P. # D-05792-02  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Name Type Code Symbol Stamp N/A  
WATTS BAR NUCLEAR PLANT Address Authorization No. WMP  
 Expiration Date A 4/14/93
4. Identification of System SYSTEM #062, CVCS & SYSTEM #068, RCS
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A WMP Addenda, N/A WMP Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1068-1-68-020	N/A WMP A 4/14/93	NONE	NONE	DCA-K05792-10 DCA-K05792-11	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1068-1-68-043		NONE	NONE	FDCN # F-22561-A	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1068-1-68-044		NONE	NONE	DCA-K05792-26	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1068-1-62A-331		NONE	NONE	FDCN # F-22678-A	UNKNOWN	REPLACEMENT	NO
WMP 4/14/93							

7. Description of Work 1068-1-68-020 - INSTALL NEW SWAY STRUT, CLAMP, STIFFENERS AND ADD WELDS.  
1068-1-68-043 - DELETED SUPPORT  
1068-1-68-044 - DELETED SUPPORT  
1062-1-62A-331 - CHANGED SUPPORT FROM AN ANCHOR TO A LATERAL SUPPORT.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
WMP  
A 4/14/93

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.

WORK INSTRUCTION D-05792-02

Page 7 cont. on Page 7A

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-104 by 4/15/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 4/14/93

Certificate of Authorization No. N/A wmo 4/14/93 Expiration Date N/A wmo 4/14/93

Signed M. L. Dodd MIKE DODD Date 4/14, 19 93  
Owner or Owner's Designee, Title

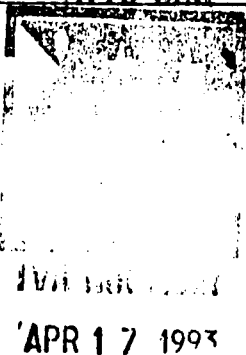
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IN and employed by HSB I & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-17-93 to 5-8-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537.  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-8-1993





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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-16-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY TN 37711 WP# D-00278-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by WATTS BAR MODIFICATIONS Type Code Symbol Stamp N/A  
Name Authorization No. A 4-16-93  
P.O. BOX 2000, SPRING CITY, TN 37711 Expiration Date \_\_\_\_\_  
Address
4. Identification of System 063 / 515
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, NIA TSF Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 4-16-93  
1901 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-A060-63 92	/	N TSF	4-16-93	DKAS M-00278-20, 21 AND M-00278-22	N/A	REPLACEMENT	NO
1063-A060-63 93		A		DKAS	TSF 4-16-93	REPLACEMENT	NO

7. Description of Work INSTALL NEW SUPPORTS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A TSF 4-16-93 Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-105 of 4/16/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N TSF 4-16-93

Certificate of Authorization No. A Expiration Date \_\_\_\_\_

Signed Timothy B. Sacarian Date 4-16, 19 93  
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 TN and employed by HSB I. & T. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 5-11-92 to 5-17-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-17 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-16-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN 37771 WP# D-00278-04  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by WATTS BAR MODIFICATIONS Type Code Symbol Stamp N/  
Name Authorization No. A TSE  
P.O. Box 2000, SPRING CITY, TN 37771 Expiration Date 4-16-93  
Address

4. Identification of System 063/SIS  
 5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A TSE 4-16-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 EO WINTER 1981 ADDENDA

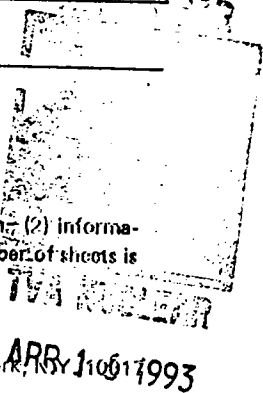
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1063-A060-63-94</del>	<del></del>	<del></del>	<del></del>	<del>DCA M00278-26</del>	<del></del>	<del></del>	<del></del>
<del>1063-A060-63-95</del>	<del></del>	<del></del>	<del></del>	<del>M00278-27</del>	<del></del>	<del>REPLACEMENT</del>	<del>NO</del>
		<u>A</u>		<u>DCA M00278-28</u>	<u>TSE</u>	<u>REPLACEMENT</u>	<u>NO</u>
				<u>M00278-29</u>	<u>4-16-93</u>		
				<u>M00278-30</u>			

7. Description of Work BRAND NEW SUPPORTS INSTALLED.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A TSE psi Test Temp 4-16-93 °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.



FORM NIS-2 (Back)

9. Remarks TRACKING # 93-106 of 4/16/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N TSE 4-16-93

Certificate of Authorization No. A Expiration Date \_\_\_\_\_

Signed Timothy S. Jaccioni Date 4-16, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/11/93 to 5/11/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Emmons Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/11 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE, TN.  
Address
- Date 4-15-93
- Sheet 1 of 1
2. Plant WATTSBAR NUCLEAR PLANT  
Name  
PO BOX 2000, SPRING CITY, TN, 37771  
Address
- Unit 1
3. Work Performed by TVA - MODIFICATIONS  
Name  
WBNP  
Address
- Repair Organization P.O. No., Job No., etc. D-16461-11
- Type Code Symbol Stamp N/A
- Authorization No. AC 4-15-93
- Expiration Date \_\_\_\_\_
4. Identification of System CHEMICAL + VOLUME CONTROL / SYS. 062
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NONE Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPT. 1062-406-2-3-3	TVA	NONE	NONE	NONE	UNKNOWN	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work DELETED SUPPORT.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AC 4-15-93

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.

WP D 16461 11

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-107 AC 4-16-93

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A AC 4-15-93 Expiration Date \_\_\_\_\_

Signed Anthony Cutrona, FIELD ENGINEER Date 4-15, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFS CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/22/93 to 5/22/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Carrough Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/22 19 93



WATTS BAR  
TVA NUCLE  
MAY 0 5 19

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN.  
Address
- Date 4/19/92  
Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P. O. BOX 3000 SPRING CITY TN. 37771  
Address
- Unit 1  
W. P. D-04633-04  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA MECH MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address
- Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A  
Expiration Date 4/19/93
4. Identification of System SAFETY INJECTION / SYST. 63
5. (a) Applicable Construction Code AISC 7th 19 73 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements BO EDITION THRU 1981
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	NONE	NONE	1063-1-63-064	UNKNOWN	REPLACEMENT	N/O

7. Description of Work RELOCATED PIPE SUPPORT
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. \_\_\_\_\_ °F  
4/21/93

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.

WATS 51P  
TVA NUCLEA  
MAY 0 5 1993

FORM NIS-2 (Back) <sup>REV 4/21/93</sup>

9. Remarks Tracking Number 108<sup>REV</sup> 93-108 <sup>REV</sup> 4/21/93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A <sup>REV</sup> 4/21/93

Certificate of Authorization No. NA <sup>REV</sup> 4/21/93 Expiration Date <sup>REV</sup> 4/21/93 <sup>REV</sup> 4/21/93

Signed Joe E. Davis Date APRIL 21, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by NSB IFF CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/16/93 to 5/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamml Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/16 19 93

**WORK INSTRUCTION** D-04633-04

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-22-93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE TN Sheet 1 of 2  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 Repair Organization P.O. No., Job No., etc. WP D-00278-105  
Address  
 3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 4-22-93  
Address  
 4. Identification of System SAFETY INJECTION 1063  
 5. (a) Applicable Construction Code AISC 1973 Edition, 7th Addenda, N/A Code Case 4-22-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 with 81 APPENDIX

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1063-A435-B-61	N/A 4/22/93	NONE	NONE	N/A 4/22/93	N/A 4/22/93	DELETED	NO	
1063-A435-B-62								NO
1063-A435-B-63								NO
1063-A435-B-64								NO
1063-A435-B-65								NO

7. Description of Work SUPPORTS REMOVED / DELETED

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
A 4-22-93

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.

NO. 7 CONT. ON PG. 2

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-109 Applicable Manufacturer's Data Reports to be attached 4/22/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 4-22-93

Certificate of Authorization No. N/A 4-22-93 Expiration Date N/A 4-22-93

Signed J. J. [Signature] MECH. ENGR Date 4-22-93 19 93

CERTIFICATE 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 L I & CO of N/A BME 5/15/93 have inspected the components described in this Owner's Report during the period TENNESSEE 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature B. [Signature] Commissions TN 2534 National Board, State, Province, and Endorsements

Date 5/15/19 93

D-00278-105

D-00278-106

6 7

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-23-93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN Sheet 1 of         
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN WP D-00278-106  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 4-23-93  
Address
4. Identification of System SAFETY INJECTION 1063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda N/A Code Case 914-2397  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION thru winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-A435-6-60	N/A	NONE	NONE	N/A	UNKN	(DELETION) REPLACEMENT	NO
1063-A435-7-61	N/A	↓	↓	N/A	↓	↓	NO
1063-A435-7-66	N/A	↓	↓	917 4-23-93	↓	↓	NO

7. Description of Work SUPPORT DELETIONS / REMOVALS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

D-00278-106

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-110 Applicable Manufacturer's Data Reports to be attached by 4/23/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N

Certificate of Authorization No.

Expiration Date

4-23-93

Signed

Owner or Owner's Designee, Title

MECH ENGR

Date

4-23

19

93

CERTIFICATE 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 IPI CO of

have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Edwards  
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date

5/15

19

93

PG. 7 CONT. ON PG. 8

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4/24/93  
Name  
400 W SUMMIT HILL DR, KNOXVILLE, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN 37771 W0-92-12113-00  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by PO BOX 2000, SPRING CITY, TN Type Code Symbol Stamp  
Name Authorization No. N/A Fy 4/24/93  
PO BOX 2000 SPRING CITY TN. Expiration Date  
Address  
 4. Identification of System 063/SIS  
 5. (a) Applicable Construction Code A15C 19 73 Edition, JUNE 73 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BP175	PERGEN PATERSON			47A435-7-51	UNKNOWN	REPLACED	NO
<del>N/A Fy 4/24/93</del>							

7. Description of Work REPLACE BP175 WITH BP 298 CLAMPS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A Fy 4/24/93

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.

UO-92-12113-00  
PAGE 35 OF 56

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-111 BY 2/21/93 ALCALA  
4/24/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. N/A 4/24/93 Expiration Date \_\_\_\_\_

Signed F Young Date 4/24/93, 19 \_\_\_\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4/29/93 to 4/29/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Eason Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/29 19 93



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



1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
NUCLEAR POWER  
Address

Date 4.26.93 APR 26 1993

Sheet \_\_\_\_\_ of \_\_\_\_\_

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000 SPRING CITY, TN.  
Address

Unit 1

WP# D05709-10  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000 SPRING CITY, TN.  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_ NA RLF 4.26.93  
Expiration Date \_\_\_\_\_

4. Identification of System 74/R4R

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1072-A437-2-9	<u>NA RLF 4.26.93</u>			<u>PLA-P05709-9-UNKNOWN</u>		<u>REPLACEMENT</u>	<u>NO</u>
1063-A435-1-12	<u>NA RLF 4.26.93</u>			<u>PLA-P05709-12-1 UNKNOWN</u> <u>PLA-P05709-13-1</u> <u>PLA-P05709-84-0</u>		<u>REPLACEMENT</u>	<u>NO</u>
<u>NA RLF 4.26.93</u>							

7. Description of Work MODIFY SUPPORTS PER LATEST DESIGN DRAWING

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA RLF 4.26.93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



TVA NUCLEAR

APR 26 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TACKLING # 93-112 dy 4/26/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NR 926-93 Expiration Date \_\_\_\_\_

Signed Randy Enghm Date 4-26, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by H&B IIE CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/21/93 to 6/21/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Enghm Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/21 19 93

# WORK INSTRUCTION D-04593-05

Page 5 cont. on Page 6

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

1. Owner T.V.A. Name \_\_\_\_\_ Date 4-27-93  
NUCLEAR POWER Address \_\_\_\_\_ Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit 1  
P.O. BOX 2000, SPRING CITY, TN Address \_\_\_\_\_ WP # D-04593-05 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Name \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
P.O. BOX 2000, SPRING CITY, TN 37771 Address \_\_\_\_\_ Authorization No. N/A Expiration Date 4/27/93
4. Identification of System 062/ CVC5
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

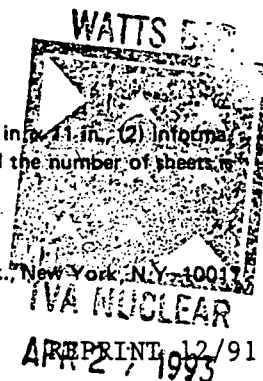
### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A-348</u>		<u>N/A</u>	<u>4-27-93</u>	<u>DCA 5 P04593-12 P04593-13</u>	<u>UNKNOWN</u>	<u>Replacement</u>	<u>NO</u>
<u>N/A</u>							
<u>4-27-93</u>							
<u>N/A</u>							

7. Description of Work \_\_\_\_\_

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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# WORK INSTRUCTION D-04593-05

Page 6 cont. on Page 7

## FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-113 by 4/27/93

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_  
Certificate of Authorization No. N/A found 4/27/93 Expiration Date \_\_\_\_\_

Signed Jimmy W. Steele Date 4-27, 19 93  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD & TERRY BOILER INSPECTION of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 4-1-93 to 4-30-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

C. E. Metcalfe Commissions TN-2633  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-30, 19 93 Documentation Review Only -

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-10-93  
NUCLEAR POWER Sheet 1 of \_\_\_\_\_  
 Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
PO BOX 2000, SPRING CITY, TN. Repair Organization P.O. No., Job No., etc. 93-06800-00  
 Address  
 3. Work Performed by TVA Name Type Code Symbol Stamp \_\_\_\_\_  
PO BOX 2000, SPRING CITY, TN. Address Authorization No. N/A 4-10-93  
 Expiration Date \_\_\_\_\_  
 4. Identification of System 074, RHR  
 5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A 4-10-93 Code Case  
 (b) Applicable Edition of Section XI Authorized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
74-2RHR-R216		NA 74126143		DCA-5-9814-160-C	UNKNOWN	REPLACED STRET	NO
		NA 74126143					

7. Description of Work CUT AND WELD PROPER LENGTH FOR NEW START AND REPAIRS START.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

N.O 93-063 -05  
PAGE 29A

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-114 27 4/27/93  
27 4/27/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

Certificate of Authorization No.

Expiration Date

Signed

Kenneth P. L...  
Owner or Owner's Designee, Title

Date

4-26

19 93

CERTIFICATE 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 IIT CO. of

in this Owner's Report during the period 6/1/93 to 6/1/93 have inspected the components described to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. E...  
Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date

6/1

19 93

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

1. Owner Tennessee Valley Authority Date 4/27/93  
Name  
400 W. Summit Hill Dr. Knox, TN. Sheet 1 of 1  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City TN. 37381 WO# 92-22911-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Watts Bar Nuclear Plant Type Code Symbol Stamp N/A dw 4/27/93  
Name Authorization No. N/A dw 4/27/93  
PO Box 2000 Spring City TN 37381 Expiration Date N/A dw 4/27/93  
Address
4. Identification of System Safety Injection System (63)
5. (a) Applicable Construction Code ASME II 1971 Edition, Summer 73 Addenda, N/A dw 4/27/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
I-FCV-63-11B	Westinghouse	0004	W10932	None	'76	Replaced	Yes
<del>N/A dw 4/28/93</del>							

7. Description of Work Drilled Pressure Relief Hole In One Disc.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  None Required.  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F dw 4/28/93

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-117 ~~24~~ 4/28/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A QW 4/28/93

Certificate of Authorization No. \_\_\_\_\_

N/A QW 4/28/93

Expiration Date \_\_\_\_\_

N/A QW 4/28/93

Signed \_\_\_\_\_

D. Watson

Mech. Engr.

Date \_\_\_\_\_

April 28

19 93

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/18/93 to 5/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest

Inspector's Signature

Commissions \_\_\_\_\_

TN 2534

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

5/18

19 \_\_\_\_\_

93



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

1. Owner Tennessee Valley Authority Date 4/28/93  
Name  
Nuclear Power  
Address
2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000, Spring City, TN  
Address Unit 1  
WO# 92-22911-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Watts Bar Nuclear Plant Type Code Symbol Stamp N/A DW 4/28/93  
Name Authorization No. N/A DW 4/28/93  
PO Box 2000 Spring City, TN 37381 Expiration Date N/A DW 4/28/93  
Address
4. Identification of System Safety Injection System (63)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer '73 Addenda, N/A DW 4/28/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 BCWB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-63-156A	Westinghouse	0005	W10894	None	'75	Replaced	Yes
			N/R				
			DW 4/28/93				
<del> </del>							

7. Description of Work Drilled Pressure Relief Hole in One Disc.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  None Required  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F. DW 4/28/93

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-118 by 4/28/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A DW 4/28/93

Certificate of Authorization No. N/A DW 4/28/93 Expiration Date N/A DW 4/28/93

Signed D. Watson Date April 28, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/13/93 to 5/13/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eumoff Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/13 19 93

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

1. Owner Tennessee Valley Authority  
Name  
400 W. Summit Hill Dr. Knox, TN.  
Address

Date 4/28/93

Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
PO Box 2000 Spring City, TN. 37381  
Address

Unit 1

WO # 92-22911-03  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Watts Bar Nuclear Plant  
Name  
PO Box 2000 Spring City TN. 37381  
Address

Type Code Symbol Stamp N/A DW 4/28/93

Authorization No. N/A DW 4/28/93

Expiration Date N/A DW 4/28/93

4. Identification of System Safety Injection (63)

5. (a) Applicable Construction Code ASME III 1971 Edition, Summer 73 Addenda, N/A <sup>DW 4/28/93</sup> Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 POWER

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-63-157B	Westinghouse	0004	W10893	None	'75	Replaced	Yes
			N/R				
			DW 4/28/93				
<del>_____</del>							

7. Description of Work Pressure Relief Drilled Hole in one Disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  None Required.  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F DW 4/28/93

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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-119 *log* 4/28/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A DW 4/28/93

Certificate of Authorization No. \_\_\_\_\_

N/A DW 4/28/93

Expiration Date \_\_\_\_\_

N/A DW 4/28/93

Signed \_\_\_\_\_

D. Watson

Mech. Engv.

Date \_\_\_\_\_

April 28

19 93

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/13/93 to 5/13/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Emery

Inspector's Signature

Commissions \_\_\_\_\_

TN 2534

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

5/13

19

93

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

1. Owner Tennessee Valley Authority Date 4/30/93  
Name  
Nuclear Power  
Address
2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000, Spring City, TN W.O. 08-16311-37  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Type Code Symbol Stamp N/A DMS 4/30/93  
Name Authorization No. N/A DMS 4/30/93  
P.O. Box 2000 Spring City TN 37381 Expiration Date N/A DMS 4/30/93  
Address
4. Identification of System 62, CVCS
5. (a) Applicable Construction Code AISC, Steel Const Manual 7th edition Edition, N/A DMS 4/30/93 Addenda, N/A DMS 4/30/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80W 81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
621CVC-R166	TVA	N/A DMS 4/4/93	N/A DMS 4/6/93	Hanger	N/A DMS 1/6/93	Replaced	No
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

7. Description of Work RG 5/3/93 Replace bent Rod. Replace Hanger Rod & Eye Nut.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F None Required  
DW 4/30/93

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.

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-120 NO 4/30/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A N/A 4/30/93

Certificate of Authorization No. N/A N/A 4/30/93 Expiration Date N/A N/A 4/30/93

Signed [Signature] Plant Spec. Date April 30, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD STEEL BRICK & T. CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 1-11-93 to 5-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN-2633  
Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 10, 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 4-12-93  
Name  
NUCLEAR POWER Sheet 1 of \_\_\_\_\_  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000, SPRING CITY, TN. 93-06915-00  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A REC 4-17-93  
PO BOX 2000, SPRING CITY TN Expiration Date \_\_\_\_\_  
Address

4. Identification of System 063 SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A REC 4-12-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
63-1515-R189	BERNARD PATERSON		N/A	74 4/29/93		REPLACED	NO
<del>N/A 74 4/25/93</del>							

7. Description of Work EXISTING STRUT HAD BENT PADDLE. REPLACEMENT OF STRUT  
(REQUIRED)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A 74 4/29/93

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

W0-93-06915-00  
PAGE 15 OF 23

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-120 RG 4/29/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 4/29/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed F. Yong Date 4/29/93, 19\_\_\_\_  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4-16-93 to 5-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-6 19 93.



D 04602 09

FEB 05 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 4/30/93

NUCLEAR POWER  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. Box 2000 SPRING CITY, TN  
Address

WP # D-04602-09  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name

Type Code Symbol Stamp

P.O. Box 200 SPRING CITY, TN  
Address

Authorization No. NA  
Expiration Date 4/30/93

4. Identification of System 62 / CVCS

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, 1981 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-62-KVC-R115	NA JUL 4/30/93			DCN-F-23055A	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R116				DCN-F-23915A	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R117				DCN-F-23916A	UNKNOWN	REPLACEMENT	NO
1062-62-1CVC-R118				DCN-F-23917A	UNKNOWN	REPLACEMENT	NO
				NA	JUL 4/30/93		

7. Description of Work MODIFIED SUPPORTS PER DCA'S

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA  
Other  Pressure          psi Test Temp.          °F 4/30/93

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.

(12/82)

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PG. 6 CONT. ON PG. 7

REPRINT 12/91

D 01000

FORM NIS-2 (Back)

9. Remarks NONE

TRACKING No. 93-121 Applicable Manufacturer's Data Reports to be attached 4/30/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this PERMANENT conforms to the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp NA 100 4/30/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] Date 4/30  
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 or Province of TN and employed by HST I & Co. Hartford, CT. have inspected the component in this Owner's Report during the period 2-4-93 to 5-3-93, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsement

Date 5/3/93 19 93

PG. 7 CONF. ON PG. 89  
500

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 4-30-93  
400 W. SUMMIT HILL DR, KNOXVILLE, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000, SPRING CITY, TN, 37381 Address WP# D-16448-19  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Name Type Code Symbol Stamp  
PO BOX 2000, SPRING CITY, TN Address Authorization No. N/A JWP 4-30-93  
 Expiration Date 4-30-93
4. Identification of System 067
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 8D

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1067-450</u> <u>22-1EB-3</u>		<u>4-30-93</u> <u>N/A JWP</u>		<u>DCA-M16448</u> <u>22-0</u>	<u>UNMbu</u>	<u>Replacement</u>	<u>NO</u>
<u>N/A JWP 4-30-93</u>							
<u>N/A JWP 4-30-93</u>							

7. Description of Work SUPPORT WAS DELETED
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-122 7/10/93 4-30-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

James W. O'Leary  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

9-30-93 <sup>4/11/93-9/30/93</sup>, 19 93

CERTIFICATE 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 I/I Co of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/22/93 to 5/22/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

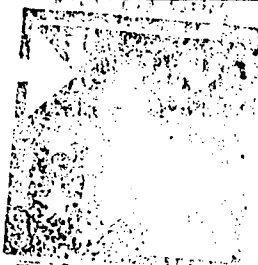
Bruce M. Eamigh  
Inspector's Signature

Commissions \_\_\_\_\_

TN 2534  
National Board, State, Province, and Endorsements

Date \_\_\_\_\_

5/22, 19 93



TVA NUCLEAR

APR 17 1993

JAN 2 1993

WP # D-06034-02

PG. 6 CONT. ON PG. 6A

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-1-93  
 Name  
400W. SUMMIT HILL DR, KNOXVILLE, TN Sheet 1 of 1  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WP# D-06034-02  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by WATTS BAR MODIFICATIONS Type Code Symbol Stamp  
 Name  
P.O. BOX 2000, SPRING CITY, TN 37771 Authorization No. N/A CDW 5/1/93  
 Address Expiration Date
4. Identification of System 068/RC
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, N/A CDW 5/1/93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1068-1-68-432</del>	<del></del>	<del></del>	<del></del>	<del>DCA-K03064</del>	<del></del>	<del></del>	<del></del>
<del>1068-1-68-433</del>	<del></del>	<del></del>	<del></del>	<del>11,12,13,14,15,16</del>	<del></del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>1068-1-68-443</del>	<del></del>	<del></del>	<del></del>	<del>05,06,07,08,09,10</del>	<del></del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>1068-1-68-500</del>	<del></del>	<del></del>	<del></del>	<del>84,85,86</del>	<del>CDW</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>1068-1-68-503</del>	<del></del>	<del></del>	<del></del>	<del>DCA-K6034-53,54</del>	<del>5/1/93</del>	<del>REPLACEMENT</del>	<del>NO</del>
				<u>36,37,38</u>		<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REMOVE SUPPORTS

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A CDW 5/1/93

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.

(12/82)

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TEK INDUSTRIES  
JAN 2 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-123 CON 5/1/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

W A CON 5/1/93  
Expiration Date \_\_\_\_\_

Signed Charles Beutner  
Owner or Owner's Designee, Title

Date 5/1, 1993

CERTIFICATE 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 I & I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/14/93 to 6/14/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh  
Inspector's Signature

Commissions TN 2534  
National Board, State, Province, and Endorsements

Date 6/14, 19 93

566: 1 0 1 993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-1-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY TN 37771 WP# D00278-02  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/TSF  
P.O. BOX 2000, SPRING CITY, TN 37771 Expiration Date A 5-1-93  
Address

4. Identification of System 063 / SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, N/A TSF 5-1-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>063-A060-63-96</del>	<del></del>	<del>N</del>	<del>TSF 5-1-93</del>	<del>DCAS M-00278-31,32 AND M-00278-33</del>	<del></del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>063-A060-63-97</del>	<del></del>	<del>A</del>	<del>TSF 5-1-93</del>	<del>DCAS M-00278-34 AND M-00278-35</del>	<del></del>	<del>REPLACEMENT</del>	<del>NO</del>

7. Description of Work INSTALL NEW SUPPORTS

8. Tests Conducted: N Hydrostatic TSF 5-1-93 Pneumatic  Nominal Operating Pressure   
 Other  Pressure A \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORKPLAN D-00278-02

Page 15 cont on Page 15A

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-0124 TSF 5-1-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date N/A TSF 5-1-93

Signed Timothy S. Faccioni Date 5-1, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/20/93 to 5/20/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/20 19 93

WORKPLAN D-00278-02

Page 15A cont. on Page 16



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE, TN.  
Address

Date 5-4-93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

Unit 1

W.O 92-12508-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR MODIFICATION  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. NAKKE 5/4/93

Expiration Date \_\_\_\_\_

4. Identification of System 063/515

5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, NAKKE 5/4/93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 THRU 1981 W/1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
47A435-8-52		NAKKE 5/4/93		CLAMP	UNKNOWN	REPLACED	No
<del>NAKKE 5/4/93</del>							

7. Description of Work Replaced CLAMP ON HANGER 47A435-8-52

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached  
TROCKIN # 93-125 5/4/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Kenneth Lewis Date 5-4-93 19 93  
Owner or Owner's Designee, Title HSB

CERTIFICATE 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 I/I CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 5-4-93  
Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 200, SPRING CITY, TN 37771  
Address

Unit 1  
D-05792-10  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A  
Expiration Date et 5-4-93

4. Identification of System CHEMICAL AND VOLUME CONTROL (062) & REACTOR COOLANT (068)

5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, N/A et 5-4-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 W/1981 WINTER APPENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1068-8406-9-56	N/A et 5-4-93	NONE	NONE	N/A et 5-4-93	et 5-4-93 "1993"	REPLACEMENT	No
1068-8406-9-57	N/A et 5-4-93	NONE	NONE	N/A et 5-4-93	et 5-4-93 "1993"	REPLACEMENT	No
1062-8406-9-58	N/A et 5-4-93	NONE	NONE	N/A et 5-4-93	"1993"	REPLACEMENT	No
1062-1-62A-319	N/A et 5-4-93	NONE	NONE	N/A et 5-4-93	UNKNOWN	REPLACEMENT	No
1062-1-62A-318	N/A et 5-4-93	NONE	NONE	N/A et 5-4-93	UNKNOWN	REPLACEMENT	No

et 6.29.93

7. Description of Work INSTALLATION OF <sup>et 5-4-93</sup> MODIFIED NEW HGR'S & MODIFICATIONS.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A et 5-4-93

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.

WATTS BAR  
(12/82)

This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

JAN 16 1993

WP D-05792 10

Page 7 cont. on Page 8

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-126 201 5/9/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ N/A 2-5-4-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] MECH. ENGR. Date MAY 04, 19 93  
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 TN and employed by HSBI & I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 1-16-93 to 6-24-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-24 19 93.



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5/4/93  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE TN. Sheet 1 of 1  
Address

2. Plant WATTI BAR NUCLEAR PLANT Unit 1  
Name  
PO. BOX 2000 SPRING CRT? TN. 37771 D-04636-05  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TENNESSEE VALLEY AUTHORITY Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
400 W. SUMMIT HILL DR. KNOXVILLE, TN 37381 Expiration Date WY 6 5/4/93  
Address

4. Identification of System SAFETY INJECTION (063)  
AISC STEEL & CONSTRUCTION MANUAL, 7TH EDITION

5. (a) Applicable Construction Code \_\_\_\_\_ 19 \_\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-165	TVA	NONE	NONE	1063-1-63-165	1993	REPLACEMENT	NO
<del>NONE</del>							

7. Description of Work MODIFIED

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A  
WY 6 5/4/93

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

WATTS  
MAR 09 1993

04636-05  
WPH D-164  
wyb  
3/5/93

FORM NIS-2 (Back)

9. Remarks MODIFIED SPT. NO. 1063-1-63-165  
Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-127

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed Wyatt (F.E.) Date 5/4/ 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

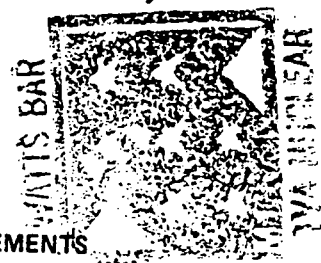
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I.F.I. CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/15/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Egan Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93



MAY 04 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-4-93  
 Name 400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 1  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
 Name P.O. Box 2000, SPRING CITY, TN. 37771 WP# D-00278-03  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by WATTS BAR MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
 Name P.O. Box 2000, SPRING CITY, TN. 37771 Authorization No. N / TSF  
 Address Expiration Date A 5-4-93
4. Identification of System 063 / SIS
5. (a) Applicable Construction Code ASCE 19 73 Edition, JUNE 73 Addenda, N/A TSF 5-4-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 APPEND A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-A060-63		N TSF 5-4-93		DCAS M-00278-36, 37 AND M-00278-38	N/A	REPLACEMENT	NO
1063-A060-63		A		DCAS M-00278-39 AND M-00278-40	TSF 5-4-93	REPLACEMENT	NO

7. Description of Work INSTALL NEW SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. \_\_\_\_\_ °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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORKPLAN D-00278-03

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-128 JG 5/5/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date N A TSF 5-4-93

Signed Timothy S. Sacciani Date 5-4, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSTB I & I Co. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/19/93 to 5/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions T.N. 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/19, 19 93

WORKPLAN D-00278-03



MAR 06 1993

D-04592-05

Page 6 cont. on Page 6A

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

1/2

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 5-13-93

400 SUMMIT HILL DR. KNOXVILLE, TN  
Address

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRINGCITY, TN 37771  
Address

D-04592-05

Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS  
Name

Type Code Symbol Stamp

WATTS BAR NUCLEAR PLANT  
Address

Authorization No.

Expiration Date NA SF 5-3-93

4. Identification of System CHEMICAL & VOLUME CONTROL SYS 062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDUM.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-A406-9-52</u>	<u>NA</u> <u>SF 5-3-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>SF 5-3-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-A406-9-53</u>	<u>NA</u> <u>SF 5-3-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>SF 5-3-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NA SF 5-3-93</u>							

7. Description of Work SUPPORTS - ADD PIPE RESTRAINTS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF 5-3-93

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.

2/2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-129 SF 55-93

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ NA SF 55-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Foster MECH ENGR Date 5-3-93, 19 93  
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 IN and employed by HSB I. & I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-13-93 to 6-12-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-12 19 93.

# WORK INSTRUCTION D-04593-04

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-5-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Sheet 1 of 2  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
Po Box 2000, SPRING CITY, TN 37171 WP. D-04593-04  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date 5-5-93  
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL (SYS. 062)
5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, N/A Code Case  
Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981, W/1981 WINTER APPENDS.

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A-557</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>N/A</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-1-62A-560</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>N/A</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-1-62A-563</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>N/A</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A</u>							

7. Description of Work SUPPORT MODIFICATION.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A

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

# WORK INSTRUCTION D-04543-04

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-130 4/25/93 5/5/93  
 Applicable Manufacturer's Data Reports to be attached

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### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A ch. 5.93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] MECH. ENGR Date MAY, 05, 19 93  
 Owner or Owner's Designee, Title

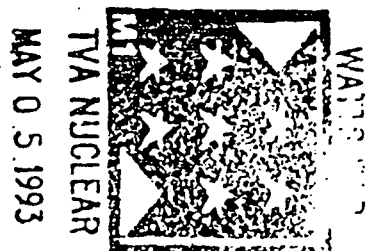
### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by H.B. I.F.I. CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eames Commissions TN 2534  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93



WATTS BAR  
 JAN 14 1993

1-04592-04

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

1/2

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE TN.  
Address

2. Plant WATTS BAR NUCLEAR PLANT.  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Date 5-3-93

Sheet 1 of 2

Unit 1 92 912196  
D-04521-04 4 912196  
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp \_\_\_\_\_  
 Authorization No. \_\_\_\_\_  
 Expiration Date NA SFS-3-93

4. Identification of System CHEMICAL & VOLUME CONTROL SYS 062

5. (a) Applicable Construction Code AISC 1973 Edition, 7<sup>TH</sup>, SEVENTH Addenda, NA Code Case SFS-3-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981, WITH 1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-A406-9-48	NA SFS-3-93	NONE	NONE	NA	1993	REPLACEMENT	NO
1062-A406-9-49	NA SFS-3-93	NONE	NONE	NA	1993	REPLACEMENT	NO
1062-A406-9-50	NA SFS-3-93	NONE	NONE	NA	1993	REPLACEMENT	NO
1062-A406-9-51	NA SFS-3-93	NONE	NONE	NA	1993	REPLACEMENT	NO
				NA	SFS-3-93		

7. Description of Work SUPPORT MODIFICATION FOR FCV (FLOW CTRL VALVE).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F SFS-3-93

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.

D - 04592 - 04

FORM NIS-2 (Back)

2/2

9. Remarks TRACKING NUM 93-131 SF5-5-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA SF5-3-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Forbes MECH ENGR Date 5-3-93, 19 93  
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 TN and employed by HSB I. & J. Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 1-13-93 to 6-5-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537.  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-5 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 5-6-93  
400 W. SUMMIT HILLDR. KNOXVILLE, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000 SPRING CITY, TN. 37771 Address W.O. 92-14534-00 Repair Organization P.O. No., Job No., etc.
3. Work Performed by WATTS BAR MODIFICATION Name Type Code Symbol Stamp \_\_\_\_\_  
P.O. BOX 2000 SPRING CITY, TN. 37771 Address Authorization No. NAKRL 5/6/93  
 Expiration Date \_\_\_\_\_
4. Identification of System 062/CVC
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NAKRL 5/6/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 - WINTER 81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1CVC-R142</u>		<u>NA</u> <u>NAKRL 5/6/93</u>		<u>DCA-509820-17A</u>	<u>UNKNOWN</u>	<u>REPAIRED</u>	<u>N</u>
<u>1062-1CVC-R151</u>		<u>NA</u> <u>NAKRL 5/6/93</u>		<u>DCA-509820-1719</u>	<u>UNKNOWN</u>	<u>REPAIRED</u>	<u>N</u>
<u>NAKRL 5/6/93</u>							

7. Description of Work REPAIRED HANGERS 1062-1CVC-R142, 1062-1CVC-R151 BY WELDING

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NAKRL psi Test Temp. \_\_\_\_\_ °E  
5/6/93

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.

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-132 MCH 5-6-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_  
Certificate of Authorization No. \_\_\_\_\_ Expiration Date NAKKE 5/6/93  
Signed Kenneth K. Lewis Date 5-6, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IFE CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/27/93 to 5/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eumigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 5/27 19 93





D 00278 101

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-6-93  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN D-00278-101  
Address 37721 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp NA SF56-93  
Name Authorization No. \_\_\_\_\_  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case SF56-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-A435-6-64</u>	<u>NA SF56-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA SF56-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NA SF56-93</u>							

7. Description of Work SUPPORT MODIFICATION - DELETE SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SF56-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-133 SF 5-6-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REWORK conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA SF5-6-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S. Forbes MECH ENGR Date 5-6-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IITCO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/19/93 to 5/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/19, 19 93



Page 5B cont. on Page 6

D 00278 101

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

D-00278-104

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SLIMMIT HILL DRIVE, KNOXVILLE, TN.  
Address

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37711  
Address

3. Work Performed by TVA-MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Date MAY, 08, 1993

Sheet 1 of 2

Unit 1

WP. D-00278-104  
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A  
ct 5-8-93

Expiration Date \_\_\_\_\_

4. Identification of System SAFETY INJECTION (063)

5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 w/1981 WINTER APPENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1063-AA35-4-60</u>	<u>N/A</u> <u>ct 5-8-93</u>	<u>NONE</u>	<u>NONE</u>	<u>N/A</u> <u>ct 5-8-93</u>	<u>UN-KNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1063-AA35-9-67</u>	<u>N/A</u> <u>ct 5-8-93</u>	<u>NONE</u>	<u>NONE</u>	<u>N/A</u> <u>ct 5-8-93</u>	<u>UN-KNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work MODIFICATIONS / DELETE SUPPORTS.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A ct 5-8-93

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.

PG. 7 CONT. ON PG. 8

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-135 5-8-93 MDR  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ CNIA ct 5-8-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] MECH. ENGR Date 5-8-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD STEEL BOILER TRADE CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 4-2-93 to 4-21-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN-2633  
Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 14 19 93

MAY 08 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date May 6, 1993  
Name  
400 W. Summit Hill Dr., Knoxville, TN  
Address
2. Plant WATTS BAR Nuclear Plant Unit 1  
Name  
P.O. Box 2000 Spring City, TN 37771  
Address
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
WATTS BAR NUCLEAR PLANT Expiration Date \_\_\_\_\_  
Address
4. Identification of System Chemical And Volume Control / Sys 062 N/A 5.6.93
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Seventh Addenda, NA 5/6/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 through Winter 1981 with 1981 WINTER ADDENDA.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-62-TCVC-R64</u>	<u>NA</u> <u>5/6/93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u> <u>5/6/93</u>	<u>UNKNOWN</u>	<u>Replacement</u>	<u>NO</u>
				<u>NA</u> <u>5/6/93</u>			

7. Description of Work Support Modification - Replace angle member with tube steel
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA 5/6/93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-136 JG 5/10/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NA 5/6/93 Expiration Date \_\_\_\_\_

Signed Michael J. McGraw, Mech Engr Date May 6, 19 93  
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 TN and employed by HSB I.R.T. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 12-21-92 to 6-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-6 19 93



TVA NUCLEAR  
MAY 06 1993

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

1. Owner Tennessee Valley Authority Date 5-10-93  
Name  
Nuclear Power  
Address
2. Plant Watts Bar Nuclear Plant Sheet 1 of 1  
Name  
P.O. Box 2000 Springcity, TN 37381  
Address Unit 1  
W.O. 93-04762-00  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type-Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NATKLS/10/93  
P.O. Box 2000 Springcity, TN 37381  
Address Expiration Date \_\_\_\_\_
4. Identification of System Safety Injection System
5. (a) Applicable Construction Code AFSC 19 73 Edition, June 1973 Addenda, NATKLS/10/93 Code Card  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 - WINTER B1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-63-197</u>		<u>NATKLS/10/93</u>		<u>DCA-509810-517</u> <u>DCA-509810-518</u>	<u>Unknown</u>	<u>Repaired</u>	<u>NO</u>

7. Description of Work REPAIRED 1-63-197 By Welding

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NATKLS psi Test Temp. 5/10/93 °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.

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING NUMBER 93-137 8/10/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NARK 5/10/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Kenneth V. Lamb Date 5/10/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/25/93 to 5/25/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Ewing Commissions TN2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/25 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-9-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 2  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771 D-05698-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Type Code Symbol Stamp  
Name Authorization No. N/A  
WATTS BAR NUCLEAR PLANT Expiration Date YES 5-9-93  
Address
4. Identification of System SAFETY INJECTION / SYS. 063 & 074
5. (a) Applicable Construction Code AISC 19 73 Edition, 7<sup>TH</sup> SEVENTH Addenda, N/A YES 5-9-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-63-1 SIS-R24	N/A <u>YES 5-9-93</u>	NONE	NONE	N/A <u>YES 5-9-93</u>	<u>UNKNOWN</u>	Replacement	NO
1074-74-1 RHR-R048	N/A <u>YES 5-9-93</u>	NONE	NONE	N/A <u>YES 5-9-93</u>	<u>UNKNOWN</u>	Replacement	NO
				N/A			

7. Description of Work SUPPORT MODIFICATION.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A YES  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 5-9-93

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.

FORM NIS-2 (Back)

SHT. 2 OF 2

9. Remarks TRACKING NUMBER 93-138 YKB 5-11-93  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A YKB 5-9-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed YK Dalal M.E.H. ENGR. Date 5-9-93, 1993  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HARTFORD STEEL BOILER & IRON WORKS CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 1-19-93 to 8-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

C. E. McTeague Commissions TN-2633 "N" AND "I"  
Inspector's Signature National Board, State, Province, and Endorsements

Date AUGUST 10, 1993



NOV 10 1992

WP D-04591-12

Page 6 cont. on Page 7

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 5-10-93

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN 37371  
Address

D-04591-12

Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name

Type Code Symbol Stamp

WATTS BAR NUCLEAR PLANT  
Address

Authorization No.

Expiration Date

NA SF 5-10-93

4. Identification of System CHEMICAL AND VOLUME CTRL SYS 062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A-263</u>	<u>NA SF 5-10-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-1-62A-264</u>	<u>NA SF 5-10-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA SF 5-10-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1062-1-62A-536</u>	<u>NA SF 5-10-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
						<u>NA SF 5-10-93</u>	

7. Description of Work

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NA SF 5-10-93

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.

WP D-04591-12

Page 7 cont. on Page 8

2 of 2

FORM NIS-2 (Back)

9. Remarks TRKG NUM 93 - 139 5-5-93  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ NA  
SF  
5-10-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Forbes MECH ENGR Date 5-10-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh \_\_\_\_\_ Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93

DEC 20 1992

D-16465-01

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address

Date 5-11-93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37381  
Address

Unit 1

WORKPLAN D-16465-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A B2P 5-11-93

Expiration Date \_\_\_\_\_

4. Identification of System ICE CONDENSER / SYSTEM 61

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A B2P 5-11-93 Addenda, N/A B2P 5-11-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPING SUPPORT</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>1061-A462-12-1</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
↓	↓	↓	↓	<u>1061-A462-12-5</u>	↓	↓	↓

7. Description of Work MODIFY SUPPORTS 1061-A462-12-1 & 12-5 PER DCA'S M16465-09-0 & M16465-13 10-0.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A B2P 5-11-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F B2P 5-11-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D - 16465 - 01

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-140 BAP 5-11-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A BAP 5-11-93

Certificate of Authorization No. N/A BAP 5-11-93 Expiration Date N/A BAP 5-11-93

Signed Bradford Z. Perdue Date MAY 11, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I I 2 CO of

         have inspected the components described in this Owner's Report during the period 6/19/93 to 6/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eammigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/19 19 93

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

TVA NUCLEAR

IDEC 12 1992

1. Owner TENNESSEE VALLEY AUTHORITY Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN Address  
Date 5-11-93  
Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name  
P.O. BOX 2000, SPRING CITY, TN. 37381 Address  
Unit 1  
WORKPLAN D16465-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by T.V.A. MECH. MODIFICATIONS Name  
WATTS BAR NUCLEAR PLANT Address  
Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A B&P 5-11-93  
Expiration Date \_\_\_\_\_
4. Identification of System ICE CONDENSER / SYSTEM 61
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, N/A B&P 5-11-93 Addenda, N/A B&P 5-11-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A B&P 5-11-93	NONE	NONE	1061-A462-13-1	UNKNOWN	REPLACEMENT	NO
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							
<del>_____</del>							

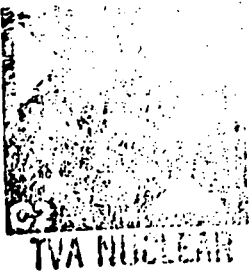
7. Description of Work MODIFY SUPPORT 1061-A462-13-1 PER DCAS M16465-16-0 & M16465-17-0
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A B&P 5-11-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

**D - 16465 - 02**



MAY 07 1993

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-141 B&P 5-11-93

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A B&P 5-11-93

Certificate of Authorization No. N/A B&P 5-11-93 Expiration Date N/A B&P 5-11-93

Signed Bradford J. Purdue Date MAY 11, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB III CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/10/93 to 5/15/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Purdue Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

D - 16465 - 02

Page 5B cont. on Page 6



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-12-93  
Name  
400 W. Summit Hill Drive, Knoxville, TN  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. Box 2000, Spring City, TN 37381 Unit 1  
Address  
WORKPLAN D-05595-03  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NAGG5-12-93  
Watts Bar Nuclear Plant Expiration Date \_\_\_\_\_  
Address

4. Identification of System \_\_\_\_\_  
 5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, NAGG5-12-93 Addenda, NAGG5-12-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 Edition thru WINTER 1981

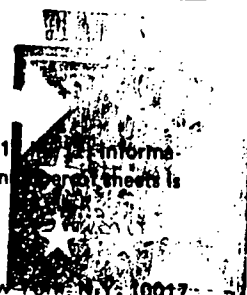
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	NAGG5-12-93	NONE	NONE	1061-A462-8-85	unknown	Replacement	NO

7. Description of Work MODIFY SUPPORT 1061-A462-8-85 PER DCN - P-05595-03  
051293

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
NAGG5-12-93

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 recorded at the top of this form.



TVA NUCLEAR  
REPRINT 12/91  
APR 15 1993

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-142 by 5/12/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA 665-1293

Certificate of Authorization No. NA 665-1293 Expiration Date NA 665-12-93

Signed Garcia Gibson Date May 12, 19 93 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of

have inspected the components described in this Owner's Report during the period 5/16/93 to 5/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Bruce W. Ewing Commissions TN 2534 National Board, State, Province, and Endorsements

Date 5/16 19 93



TVA NUCLEAR

APR 15 1993

4 4A

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-11-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
Name  
P.O. Box 2000 SPRING CITY, TN. 37771  
Address Unit 1  
W.P. # D-04592-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A RLS 5-11-93  
P.O. Box 2000 SPRING CITY, TN. 37771  
Address Expiration Date \_\_\_\_\_
4. Identification of System 062 / CVCS
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A RLS 5/11/93 Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THRU WINTER 1981  
W/ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-292	N/A	NONE	NONE	DCA-P04592-01, -03, AND 04	UNKNOWN	REPLACEMENT	NO
1062-1-62A- <del>292</del> 306 <small>RLS 5/11/93</small>	N/A	NONE	NONE	DCA-P04592-01, -07, AND 08	UNKNOWN	REPLACEMENT	NO
1062-1-62A- <del>306</del> 293 <small>RLS 5/11/93</small>				DCA-P04592-01, -05, AND 06			
1062-1-62A-312				DCA-P04592-01, -09 AND 10			
1062-1-62A-313	N/A	NONE	NONE	DCA-P04592-01, -11, AND 12	UNKNOWN	REPLACEMENT	NO

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F RLS 5/12/93

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

WORKPLAN D-0459201

4A

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FORM NIS-2 (Back)

9. Remarks None RLS 5/12/93

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-143 Rly 5/13/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date 5/12/95

Signed R. C. Seaman Date 5-12, 1993  
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 \_\_\_\_\_ or Province of TENNESSEE and employed by NSB III CO

\_\_\_\_\_ have inspected the components \_\_\_\_\_ in this Owner's Report during the period 6/16/93 to 6/16/93, and \_\_\_\_\_ to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmey Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsement

Date 6/16 1993

# WORK INSTRUCTION D-04684-01

Page 1E cont. on Page 1F

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5/13/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address WORKPLAN # K-PO4684A-1 & D-04684-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Type Code Symbol Stamp N/  
Name  
WATTS BAR NUCLEAR PLANT  
Address Authorization No. WMO  
 Expiration Date 1A 5/13/93
4. Identification of System SYSTEM #003, AFW
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A WMO 5/13/93 Addenda, N/A WMO 5/13/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 BO THROUGH WINTER 1981.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1003A-1-03A-482</u>	<u>N/ WMO 5/13/93</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-PO4684-12 DCA-PO4684-13 DCA-PO4684-14</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
	<u>N</u>			<u>DCA-PO4684-15 DCA-PO4684-16</u>		<u>N</u>	
	<u>A WMO 5/13/93</u>					<u>A WMO 5/13/93</u>	
<u>1003A-1-03A-495</u>	<u>N/ WMO 5/13/93</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-PO4684-22 DCA-PO4684-23 DCA-PO4684-24</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
			<u>N</u>				
			<u>A WMO 5/13/93</u>				

1003A-1-03A-482, REMOVE EXISTING SUPPORT AND INSTALL NEW SUPPORT.

7. Description of Work 1003A-1-03A-495, REMOVE EXISTING RESTRAINT MEMBERS AND INSTALL NEW RESTRAINT MEMBERS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N psi Test Temp. A WMO 5/13/93 °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.

# WORK INSTRUCTION D-04684-01

Page 1F cont. on Page 1G

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-144 29 5/13/93

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A WMO 5/13/93

Certificate of Authorization No.

N/A WMO 5/13/93

Expiration Date

N/A WMO 5/13/93

MIKE DODD

Signed

MIKE DODD  
Owner or Owner's Designee, Title

CONSTRUCTION ENGR.

Date

5/13

19 93

### CERTIFICATE 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 IEE CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/21/93 to 7/21/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. EMMETT

Inspector's Signature

Commissions

TN-1234

National Board, State, Province, and Endorsements

Date

5/21

19 93

MAY 13 1995

TVA NUCLEAR

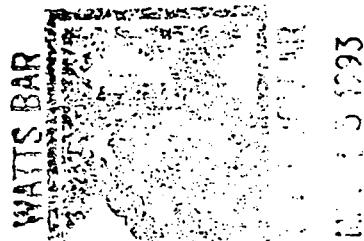


WATTS BAR

TRK # 93

D-05709-12

Page 6 cont. on Page 7



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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 5-13-93

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37771 Address WORKMAN D-05709-12 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MECH. MODIFICATIONS Name Type Code Symbol Stamp

WATTS BAR NUCLEAR PLANT Address Authorization No. NAGG5-13-93 Expiration Date 1/94

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM / SYSTEM 07A

5. (a) Applicable Construction Code AISC, TM 19 73 Edition, NAGG5-13-93 Addenda, NAGG5-13-93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	NAGG5-13-93	NONE	NONE	1063-A435-1-73	UNKNOWN	Replacement	NO

7. Description of Work MODIFY SUPPORT 1063-A435-1-73 PER DCN-P-05709-C

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F AGG5-13-93

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.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-146 by 5/17/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA GG 5-13-93

Certificate of Authorization No. NA GG 5-13-93 Expiration Date NA GG 5-13-93

Signed [Signature] Date MAY 13, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of

[Signature] have inspected the components described in this Owner's Report during the period 6/24/93 to 6/24/93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/24 19 93

2001 01 10 10 13 1000



APR 13 1993



D 16448 13 31

PLC 9/2/93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-17-93  
 Name 400 W. SUMMIT HILL DR., KNOXVILLE TN  
 Address
2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
 Name P.O. BOX 200 SPRING CITY, TN Unit 1  
 Address 37771 WP# D-16448-13  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp  
 Name P.O. BOX 2000 SPRING CITY, TN Authorization No. NA / DSC  
 Address Expiration Date 5-17-93
4. Identification of System 67 / ERCW
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1067-A-450-22-46</u>		<u>NA DSC 5-17-93</u>		<u>DCA-16448A DSC</u> <u>DCA-448A 5-17-93</u>	<u>REPLACEMENT</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1067-A-450-22-48</u>		<u>NA DSC 5-17-93</u>		<u>DCA-16448A</u>	<u>REPLACEMENT</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1067-A-450-22-82</u>		<u>NA DSC 5-17-93</u>		<u>DCA-16448A</u>	<u>REPLACEMENT</u>	<u>REPLACEMENT</u>	<u>NO</u>
		<u>NA DSC 5-17-93</u>					

NA CLASS C DSC 5/18/93

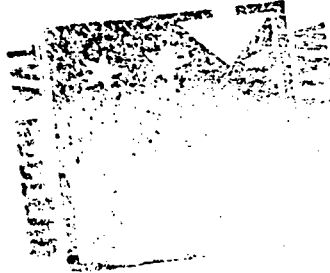
7. Description of Work DELETE SUPPORTS 1067-A-450-22-46, 1067-A-450-22-48, + 1067-A-450-22-82 5-15-93 SF
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

D 16448 13

10 21001 4

APR 13 1993



FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-147 of 5/17/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NA 98 5-17-93 Expiration Date \_\_\_\_\_

Signed [Signature] Date 5-17, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB III CO. of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/28/93 to 5/28/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/28 19 93

APR 30 1993

D-16448-29

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN  
Address

Date 5-18-93

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Sheet 1 of 1

Unit 1

D-16448-29  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp

Authorization No.

Expiration Date NA SFS-18-93

4. Identification of System ESSENTIAL RAW COOLING WATER (ERCW) SYS 067

5. (a) Applicable Construction Code AISC 1973 <sup>7TH</sup> Edition, NA SF 5-18-93 Addenda, NA SFS-18-93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981 w/1981 WINTER ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1067-A450-22-36	NA SFS-18-93	NONE	NONE	NA SFS-18-93	UNKNOWN	REPLACEMENT	NO
1067-A450-22-40	↓	↓	↓	↓	↓	↓	↓
1067-A450-22-47	↓	↓	↓	↓	↓	↓	↓
NA SFS-18-93							

7. Description of Work SUPPORT DELETION (3)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SFS-18-93

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.

FORM NIS-2 (Back)

9. Remarks TRKG NUM 93-148 by 5/18/93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA 3F5-18-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Forbes MECH ENGR Date 5-18-93, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/5/93 to 6/5/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/5 19 93

WORK INSTRUCTION D-16448-29

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

1. Owner Tennessee Valley Authority  
Name  
400 W. Summit Hill Dr, Knoxville TN  
Address

Date 5-18-93

Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
P O Box 2000, Spring City, TN, 37381  
Address

Unit 1

W.P. D-04641-02  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Mech. Modifications  
Name  
Watts Bar Nuclear Plant  
Address

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. N/A

Expiration Date W+R  
5-18-93

4. Identification of System Safety injection System

5. (a) Applicable Construction Code AISC 1973 Edition, N/A W+R 5-18-93 Addenda, N/A W+R 5-18-93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 Edition thru Winter 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	N/A W+R A 5-18-93	None	None	1063-1-63 -288	UNKNOWN	Replacement	No

7. Description of Work Added stiffener plates

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. \_\_\_\_\_ °F  
W+R 5-18-93

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.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks Tracking No. 93-149 WHR 5-18-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A WHR 5-18-93

Certificate of Authorization No. N/A WHR 5-18-93 Expiration Date \_\_\_\_\_

Signed W. H. Roberts Date (5-18-93) May 18, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

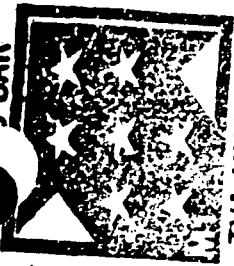
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by HSBI & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-28-91 to 6-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6 25 19 93.

S BAR



TVA NUCLEAR

MAY 19 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 5/19/93

400 W. SUMMIT HILL DRIVE, KNOX TN.  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37381  
Address

W.P. # D-16447-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH. MODS  
Name

Type Code Symbol Stamp N/A

WATTS BAR NUCLEAR PLANT  
Address

Authorization No. WMO5/19/93

Expiration Date A

4. Identification of System SYSTEM # 003, AFW

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>PIPE SUPPORT # 1003-401-1-NP-9-70</del>	<del>N/A</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-M16447-11 DCA-M16447-15</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
<del>PIPE SUPPORT # 1003-401-1-NP-10-70</del>	<del>A</del>	<del>NONE</del>	<del>NONE</del>	<del>DCA-M16447-12 DCA-M16447-16</del>	<del>UNKNOWN</del>	<del>REPLACEMENT</del>	<del>NO</del>
			<del>N/A</del>				
			<del>A</del>				

7. Description of Work ADDED ADDITIONAL WELD METAL TO EXISTING WELDS ON BOTH SUPPORTS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure psi Test Temp. °F  
A WMO 5/19/93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-150 by 5/19/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 5/19/93

Certificate of Authorization No. N/A wmo 5/19/93 Expiration Date N/A wmo 5/19/93

Signed MIKE DODD M.L. Dodd, CONST. ENGR. Date 5/19, 19 93  
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 TN and employed by HSB I. & I. Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 3-29-93 to 6-5-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

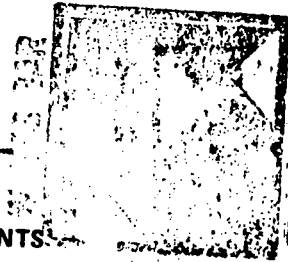
Date 6-5 19 93

WORK INSTRUCTION D-16447-01



WP D-13221-01

Page 6 cont. on Page 7



TVA NUCLEAR

FEB 16 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 5-19-93

400 W Summit Hill Drive, Knoxville, TN Address Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1

P.O. Box 7000, Spring City, TN 37381 Address WP. D-13221-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA-MODIFICATIONS Name Type Code Symbol Stamp

WATTS BAR NUCLEAR PLANT Address Authorization No. N/A  
Expiration Date 5-19-93

4. Identification of System CONTAINMENT SPRAY (072)

5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981 w/1981 WINTER APPENDA

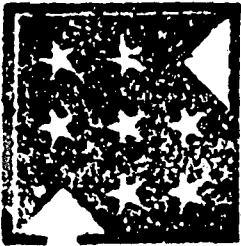
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1072-W437-5-CBI-22,-23	N/A	NONE	NONE	N/A	LIN-KABWIN	REPLACEMENT	No
-24,-25,-26,-27,-28.	↓	↓	↓	↓	↓	↓	↓
(SEVEN HRS)	↓	↓	↓	↓	↓	↓	↓
N/A				N/A			

7. Description of Work SUPPLEMENT INSPECTIONS BOLTING MAT'L.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



WP D-13221-01

Page 7 cont. on Page 8

FORM NIS-2 (Back)

9. Remarks

TRACKING # 93-151 24 5/19/93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A at 5.19.93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Paul Ford MICH. ENGR. Date 5.19.93 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I/I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5/21/93 to 5/21/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamys Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/21 19 93

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

1. Owner Tennessee Valley Authority  
Name  
Nuclear Power  
Address

Date 5-20-93  
Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Unit 1  
W.O. 93-05788-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
P.O. Box 2000 Spring City, Tn.  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date 5-20-93

4. Identification of System 74/RHR

5. (a) Applicable Construction Code ASME III 19 71 Edition, S1973 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80-W81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange Conn at 1-RV-074-0028		N/A	N/A	N/A	N/A	REPLACED	No

89  
412196

7. Description of Work Replaced gaskets of 2 nuts for flange conn. at 1-RV-074-0028 - Inlet side

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

93-05738-00

P2 19419

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-152 by 5/20/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NIA R35-20-93

Certificate of Authorization No. NIA R35-20-93 Expiration Date NIA R35-20-93

Signed Ron Breddem Date 5-20, 19 93  
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 TN and employed by H.S.B.T.&I.Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 4-2-93 to 5-27-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-27 19 93

93-05788-01  
Pg. 18 of 19

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

1. Owner Tennessee Valley Authority Date 5-20-93  
Name  
Nuclear Power Address Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant Unit 1  
Name  
P.O. Box 2000 Spring City, Tn. Address W.O. 93-05788-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Name  
P.O. Box 2000 Spring City, Tn. Address  
Type Code Symbol Stamp  
Authorization No. NIA 93-05788-01  
Expiration Date

4. Identification of System M4/RHR

5. (a) Applicable Construction Code ASME III 19 71 Edition, 51973 Addenda, NIA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange Conn. at 1-FCV-074-0028		NIA	NIA	NIA	NIA	REPLACED	NO
<del> </del>							
<del> </del>							
<del> </del>							
<del> </del>							

20  
4/12/96

7. Description of Work Replaced qty of 3 nuts for flange conn. at 1-FCV-074-0028 - out of side

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 105-93

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

93-05788-01  
Pg 19 of 19

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-153 by 5/20/93

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A RBS-20-93

Certificate of Authorization No. N/A RBS-20-93 Expiration Date N/A RBS-20-93

Signed Ron Brudlow Date 5-20, 19 93  
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 TN and employed by H.S.B.I. & I. Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 4-1-93 to 5-27-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-27 19 93.

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN  
Address

Date 5-20-93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771  
Address

Unit 1  
D-04591-06  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. NA SF  
Expiration Date 5-20-93

4. Identification of System CHEMICAL AND VOLUME CONTROL SY506Z

5. (a) Applicable Construction Code AISC 1973, 7<sup>TH</sup> Edition, NA Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 EDITION w/ADDENDA THROUGH WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-260	NA SFS-20-93	NONE	NONE	NA SFS-20-93	UNKNOWN	REPLACEMENT	NO
1062-1-62A-270	NA SF 5-20-93	NONE	NONE	NA SFS-20-93	↓	↓	NO
1062-A406-7-137	NA SFS-20-93	NONE	NONE	NA SFS-20-93	↓	↓	NO
NA SFS-20-93							

7. Description of Work MODIFY SUPPORTS - REBUILD/INCREASE WELDS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SFS-20-93

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.

FORM NIS-2 (Back)

9. Remarks TRKG NUM 93-154 SFS-20-93  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_  
Certificate of Authorization No. \_\_\_\_\_ Expiration Date NA SFS-20-93  
Signed S Forbes MECH ENGR Date 5-20-93, 19 93  
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 TN and employed by H.S.B. I&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 7-13-92 to 6-7-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-7 19 93



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

1. Owner Tennessee Valley Authority  
Name  
Nuclear Power  
Address

Date 5/21/93  
Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant  
Name  
PO Box 2000, Spring City, TN  
Address

Unit 1  
WO 92-22911-00  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Watts Bar Nuclear Plant  
Name  
PO Box 2000 Spring City, TN 37381  
Address

Type Code Symbol Stamp NA 12/22/92  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System SAFETY INJECTION (63)

5. (a) Applicable Construction Code ASME III 1971 Edition, Summer '73 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 NB1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-FCV-63-8-A	Westinghouse	5710003	W10931	None	'76	Replaced	Yes
<del>NIR EW 5/21/93</del>							

7. Description of Work Drilled Pressure Relief Hole in one Disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  None Required  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-155 by 5/21/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A QW 5/21/93

Certificate of Authorization No. N/A QW 5/21/93 Expiration Date N/A 5/21/93

Signed D. Watson Mech. Engr. Date May 21, 19 93  
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 IN and employed by HSBI & I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-92 to 5-28-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-28 19 93.



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN.  
Address

Date 5/15/93  
Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000 SPRING CITY, TN. 37381  
Address

Unit 1  
Repair Organization P.O. No., Job No., etc. WIP # D-04588-02

3. Work Performed by TVA - MODIFICATIONS  
Name  
P.O. Box 2000 SPRING CITY, TN. 37381  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. N/A RLS 5/15/93  
Expiration Date \_\_\_\_\_

4. Identification of System 062 / CVCS

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Edition JUNE 1973 Addenda, N/A RLS 5/15/93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 w/ ADDENDA THROUGH WINTER 1991.  
ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1062-1-62A 149</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04588-02, -28, -29, -30</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A RLS 5/15/93</u>							

7. Description of Work INCREASED WELDS ON ITEM # 2.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A RLS 5/15/93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



TVA NUCLEAR

MAY 15 1993

FORM NIS-2 (Back)

9. Remarks TRACKING #93-156 29 5/15/93

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. H A Expiration Date ELS 5/15/93

Signed [Signature] Mech Eng. Date MAY 15, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

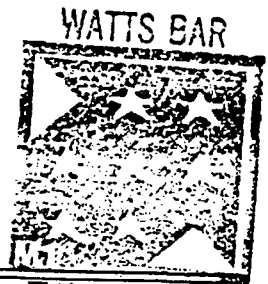
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB IPI CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/14/93 to 7/14/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/14, 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address

Date 6/8/93  
Sheet 1 of 2

TVA NUCLEAR  
JUN 08 1993

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. Box 2000, SPRING CITY, TN 37771  
Address

Unit 1  
WP # D-04734-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA - MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp  
Authorization No. N/A 158 6/8/93  
Expiration Date

4. Identification of System CHEMICAL AND VOLUME CONTROL / 62

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WITH 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-62-1CVC-R1	N/A	NONE	NONE	NA	UNKNOWN	REPLACE - MENT	NO
1062-A406-1-6							
<del>1062-62-1CVC-R1</del>							
1062-A406-62-11							
1062-62-1CVC-R15	NA 158 6/8/93	NONE 158 6/8/93	NONE 158 6/8/93	NA 158 6/8/93	UNKNOWN 158 6/8/93	REPLACE - MENT 158	NO 158 6/8/93

7-23-93

7. Description of Work MODIFIED PIPE SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

WORKPLAN D-04734-01

Page 4B CONT. ON PAGE 4C.

FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-157 BS 6/8/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N

Certificate of Authorization No. A BS 6/8/93 Expiration Date

Signed Amogh Date 6/8, 19 93  
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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 8-30-91 to 8-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-10 19 93.



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5/24/93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN.  
Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000 SPRING CITY, TN. 37771  
Address W.P.# D-04593-03  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by T.V.A. Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A RLS 5/24/93  
P.O. Box 2000 SPRING CITY, TN. 37771  
Address Expiration Date \_\_\_\_\_
4. Identification of System 62 / CVCS
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, N/A RLS 5/24/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 w/ADDENDA THROUGH WINTER 1981.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1062-1-62A-364	N/A	NONE	NONE	DCA-P04593-03,-28,-29	UNKNOWN	REPLACEMENT	NO
1062-1-62A-370	↓	↓	↓	DCA-P04593-01,-30,-31	↓	↓	↓
1062-1-62A-378				DCA-P04593-01,-32,-33			
1062-1-62A-386				DCA-P04593-02,-34,-35,-36			
1062-1-62A-388	N/A	NONE	NONE	DCA-P04593-01,-37,-38	UNKNOWN	REPLACEMENT	NO

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A RLS 5/24/93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.



D-04593-03

6A

7

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-158 29 5/25/93

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol-Stamp \_\_\_\_\_

Certificate of Authorization No. N A PLS 5/24/93 Expiration Date \_\_\_\_\_

Signed R. L. Sears Date MAY 24<sup>TH</sup>, 19 93  
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 TN and employed by HSBI & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-19-91 to 6-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 6-26 19 93.



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5/25/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit: 1  
Name  
P.O. BOX 2000, SPRING CITY, TN, 37771 WP # D-04591-03  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA, MECH MODS Type Code Symbol Stamp N/A  
Name Authorization No. WMP  
WATTS BAR NUCLEAR PLANT Expiration Date 1A 5/25/93  
Address

4. Identification of System SYSTEM # 062, CVC'S

5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/A WMP Addenda, N/A WMP Code Case  
Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1991 ADDENDUM

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1062-1-62A-533		NONE	NONE	DCA-D04591-74 75		REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-254	N/A WMP	NONE	NONE	DCA-D04591-76 77		REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-255	5/25/93	NONE	NONE	DCA-D04591-20 21 22		REPLACEMENT	NO
				DCA-D04591-23 24		REPLACEMENT	NO
			N/A	5/25/93			

7. Description of Work 1062-1-62A-533 - REMOVED EXIST. SNUGGER. INSTALLED NEW SNUGGER BASED ON 71/2 INCHES. SKIDDER.  
1062-1-62A-254 - REMOVED EXIST. SNUGGER. INSTALLED NEW SNUGGER.  
1062-1-62A-255 - CHANGE SUPPLY FROM A VERTICAL AND LATERAL SUPPLY TO A LATERAL ONLY.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure  psi Test Temp.  °F  
WMP  
5/25/93

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.

# WORK INSTRUCTION D-04591-03

Page 5B cont. on Page 6

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-159 wms 5/25/93  
Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wms 5/25/93

Certificate of Authorization No. N/A wms 5/25/93 Expiration Date N/A wms 5/25/93  
MIKE DODD

Signed Mike Dodd, CONST. ENGR. Date 5/25, 19 93  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of

N/A have inspected the components described in this Owner's Report during the period 6/17/93 to 6/17/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. E. Smith Commissions N/A TN 2004  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/17 19 93

MAY 2 1993



WATTS BAR

# WORK INSTRUCTION D-04684-01

Page 1G cont. on Page 1H

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN.  
Address
- Date 5/26/93
- Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771  
Address
- Unit 1
3. Work Performed by TVA, MECH. MODS  
Name  
WATTS BAR NUCLEAR PLANT  
Address
- Repair Organization P.O. No., Job No., etc. W.P. # K-P04684A-1 & D-04684-01
- Type Code Symbol Stamp N/
- Authorization No. WMO 5/26/93
- Expiration Date A
4. Identification of System SYSTEM # 003, AFW
5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/ WMO Addenda, A 5/26/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT # 1003-A401-7-35</u>	<u>N/ WMO</u> <u>A 5/26/93</u>	<u>NONE</u>	<u>NONE</u>	<u>DCA-P04684-01</u> <u>DCA-P04684-02</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
			<u>N</u>				
			<u>A WMO 5/26/93</u>				

7. Description of Work INSTALL NEW SUPPORT. SUPPORT INSTALLED BUT NOT COMPLETELY DOCUMENTED IN W.P. K-P04684A-1. W.P. D-04684-01 FINISHED DOCUMENTING, SUPPORT.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/ WMO  
A 5/26/93

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.

# WORK INSTRUCTION D-04684-01

Page 1H cont. on Page 2

## FORM NIS-2 (Back)

9. Remarks TRACKING # 93-160 of 5/26/93

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A WNO 5/26/93

Certificate of Authorization No. N/A WNO 5/26/93 Expiration Date N/A WNO 5/26/93

Signed Mike Dodd CONSTRUCTION ENGR. Date 5/26, 19 93  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I&I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/2/93 to 7/2/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Carral Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/2, 19 93

MAY 26 1993



WATTS BAR

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name

Date 5-24-93

400 W. SUMMIT HILL DR., KNOXVILLE, TN.  
Address

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT  
Name

Unit 1

PO BOX 2000, SPRING CITY, TN, 37771  
Address

WP# D-17667-04  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name

Type Code Symbol Stamp \_\_\_\_\_

PO BOX 2000, SPRING CITY, TN  
Address

Authorization No. N/A B.S. 5/24/93

Expiration Date \_\_\_\_\_

4. Identification of System 68 REACTOR COOLANT

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE, 73 Addenda, 1981 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981 w/ 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1068-1-68-002			NA	B.S. 5/24/93	NOT KNOWN	REPLACEMENT	NO
1068-1-68-003			NA	B.S. 5/24/93	NOT KNOWN	REPLACEMENT	NO
1068-1-68-004			NA	B.S. 5/24/93	NOT KNOWN	REPLACEMENT	NO
1068-1-68-006			NA	B.S. 5/24/93	NOT KNOWN	REPLACEMENT	NO
				NA			

7. Description of Work MODIFY SUPPORTS - REMOVED

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

**WP D-17667-04**

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-161 B3 5/26/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

N/A B3 5/24/93

Signed \_\_\_\_\_

Owner or Owner's Designee, Title

Date \_\_\_\_\_

5/24

19 93

CERTIFICATE 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 I. & I. CO. of \_\_\_\_\_

Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-10-92 to 6-6-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

DEC 11 1992

Inspector's Signature

Commissions \_\_\_\_\_

TN 2537  
National Board, State, Province, and Endorsements

Date \_\_\_\_\_

6-6

19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-27-93  
Name  
NUCLEAR POWER  
Address Sheet 1 of 4 of 5 27 93
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000 Spring City TN 37381 D-06034-10  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000 Spring City TN 37381 Expiration Date \_\_\_\_\_  
Address
4. Identification of System COB
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1068-1-68-80	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	K-06034-77 K-06034-78 K-06034-03	UNKNOWN	REPAIR	NO
1068-1-68-093	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	K-06034-103 K-06034-104 K-06034-03	UNKNOWN	REPAIR	NO
1068-1-68-094	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	K-06034-105 K-06034-106	UNKNOWN	REPAIR	NO
1068-1-68-096	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	<sup>GET 5-27-93</sup> NA	K-06034-82 K-06034-83 K-06034-03	UNKNOWN	REPAIR	NO
		NA	<sup>GET 5-27-93</sup>				

7. Description of Work ADDED WELD TO SUPPORT # 093, TOUCH UP REMAINDER
8. Tests Conducted: <sup>NA GET 5-27-93</sup> Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.



FORM NIS-2 (Back)

MAY 27 1993

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-162 of 5/27/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA 647 5-27-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed George Truett Date MAY 27, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPE CO. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/27/93 to 6/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/27 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-27-93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN. 37771 15969-00  
Address 92-15696 KK 5/27/93  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by WATTS BAR MODIFICATION Type-Code Symbol Stamp  
Name Authorization No. NAKKLS/27/93  
P.O. Box 2000 SPRING CITY, TN. 37771 Expiration Date  
Address

4. Identification of System \_\_\_\_\_  
 5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NAKKLS/27/93 Code Case 5/27/93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 - WINTER 81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
H-555-7-5-2293				DCA-504061-399-0	UNKNOWN	Repaired	N
<del>NAKKLS/27/93</del>							

7. Description of Work Added SHIM TO OBTAIN CLEARANCE FOR HANGER H-555-7-5-2293

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-163 dy 5/27/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NAYK/ 5/27/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Harold K. Lewis Date 5-27, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by WCB IFF CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/26/93 to 6/26/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

13 Earnest Commissions TN 2554  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/26 19 93

MAY 28 1993

TVA NUCLEAR

WATTS BAR

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

1. Owner TVA Name \_\_\_\_\_ Date 5/28/93  
400 W. SUMMIT HILL DR., KNOXVILLE, TN Address \_\_\_\_\_ Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit 1  
P.O. BOX 2000, SPRING CITY, TN Address \_\_\_\_\_ WP D-18401-02 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Name \_\_\_\_\_ Type Code Symbol Stamp NIA CON 5/28/93  
P.O. BOX 2000, SPRING CITY, TN Address \_\_\_\_\_ Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

4. Identification of System 03 MAIN AND AUXILIARY FEED WATER

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NIA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THRU WINTER 1981 ADDITION

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1003A-1-03A-203</u>		<u>NIA</u>	<u>CON 5-28-93</u>			<u>UNKNOWN REPLACEMENT</u>	<u>NO</u>
			<u>N</u>				
			<u>A</u>	<u>CON 5/28/93</u>			

7. Description of Work REWORKED ITEMS 4 AND 5 AND INSTALLED ITEMS 6 THRU 9.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NIA CON  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 5-28-93

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.

FORM NIS-2 (Back)

9. Remarks NONE CON 5/28/93  
Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-164 g 5/28/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NIA CON 5/28/93 Expiration Date \_\_\_\_\_

Signed Charles Stewart Date \_\_\_\_\_, 19\_\_\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I/I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/19/93 to 6/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamuff Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/19 19 93

2010 1 1993

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-1-93  
Name  
NUCLEAR POWER Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN WP # D16157-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp NA  
Name Authorization No. \_\_\_\_\_  
P.O. BOX 2000 SPRING CITY, TN Expiration Date NA  
Address 6-1-93

4. Identification of System 68 / REACTOR COOLANT

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-ISLS-997-0568</u>		<u>NA</u> <u>6-1-93</u>		<u>NA</u> <u>6-1-93</u>	<u>WORKING</u>	<u>REPAIRED</u>	<u>NO</u>
		<u>NA</u> <u>6-1-93</u>					

7. Description of Work BASE METAL REPAIR TO 2"x2"x 1/4" T.S.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
NA  
6-1-93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

TRK # 165 DRC 6-1-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. NA DRC 6-1-93 Expiration Date \_\_\_\_\_

Signed [Signature] Date 6-22, 19 93  
Owner or Owner's Designee, Title FE

CERTIFICATE 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 HSBI & I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 4-6-93 to 6-18-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN2537  
6/23/93 National Board, State, Province, and Endorsements

Date 6-18- 19 93.

WORK INSTRUCTION D-16157-01

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5/27/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN. 37771 W.P. #D-12664-01  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA, MECH. MODS Type Code Symbol Stamp N/  
Name Authorization No. WMD  
WATTS BAR NUCLEAR PLANT Expiration Date A 5/27/93  
Address  
 4. Identification of System SYS# 003A, FW  
 5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/WMD Addenda, N/WMD Code Case  
Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1003A-1-03A-408	<del>N</del>	NONE	NONE	DCA-M1266A-01 DCA-M1266A-02	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1003A-1-03A-424	<del>N</del> A WMD 5/27/93	NONE	NONE	DCA-M1266A-03 DCA-M1266A-04	UNKNOWN	REPLACEMENT	NO
<del>N A WMD 5/27/93</del>							

1003A-1-03A-408 - RESET SPRING CAN.

7. Description of Work 1003A-1-03A-424 - INSTALLED ADDITIONAL BRACING STRUCTURAL STEEL TO EXISTING SUPPORT MEMBERS.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N  
A WMD  
5/27/93

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.

# WORK INSTRUCTION D-12664-01

Page 7 cont. on Page 7A

## FORM NIS-2 (Back)

9. Remarks TRACKING # 93-166 wmo 6/1/93  
Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 5/27/93

Certificate of Authorization No. N/A wmo 5/27/93 Expiration Date N/A wmo 5/27/93  
MIKE DODD

Signed Mike Dodd, CONST. ENGR. Date 5/27, 19 93  
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 IN and employed by HSB I. & I. Co of Hartford, CT. have inspected the components described in this Owner's Report during the period 4-8-93 to 7-9-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

DN B... Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-9- 19 93

MAY 27 1993





WORK INSTRUCTION D-04584-02

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6/2/93  
Name  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Sheet 1 of 1  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN. 37771 W.P. # D-04584-02  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by MECH. MODS, TVA Type Code Symbol Stamp N/A  
Name Authorization No. WWS  
WATTS BAR NUCLEAR PLANT Expiration Date 1A 6/2/93  
Address  
 4. Identification of System SYSTEM #062, CVCS  
 5. (a) Applicable Construction Code AISC 7<sup>TH</sup> 1973 Edition, N/A WWS 6/2/93 Addenda, N/A WWS 6/2/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH WINTER 1991 ADDENDA.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT 1062-1-62A-21	<del>N/A WWS 6/2/93</del>	NONE	NONE	DCA-04584-11 DCA-04584-12	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT 1062-1-62A-21	<del>N/A WWS 6/2/93</del>	NONE	NONE	DCA-04584-16 DCA-04584-17	UNKNOWN	REPLACEMENT	NO
			N/A				
			A	WWS 6/2/93			

1062-1-62A-21 - REMOVED EXISTING, SWABBER AND CLAMP AND INSTALLED NEW SWABBER AND CLAMP.

7. Description of Work 1062-1-62A-21 - REMOVED EXISTING SUPPORT AND INSTALLED NEW SUPPORT.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A WWS 6/2/93

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.

# WORK INSTRUCTION D. 04524-02

Page 4A cont. on Page 5

## FORM NIS-2 (Back)

9. Remarks TRACKING # 93-167 wmo 6/2/93  
Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 6/2/93

Certificate of Authorization No. N/A wmo 6/2/93 Expiration Date N/A wmo 6/2/93  
*MIKE DODD*

Signed M.L. Dodd CONST. ENGR. Date 6/2, 19 93  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by H.S.B. I/I Co of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/17/93 to 6/17/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/17 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR KNOXVILLE, TN  
Address

Date 6-3-93  
Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT  
Name  
PO. BOX 2000 SPRING CITY TN 37771  
Address

Unit 1  
D-16442-33  
D-14941-35 By 4/12/96  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS  
Name  
WATTS BAR NUCLEAR PLANT  
Address

Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. \_\_\_\_\_  
Expiration Date N/A BU 6-3-93

4. Identification of System ESSENTIAL RAW COOLING WATER

5. (a) Applicable Construction Code AISC 19 73 Edition, THE SEVENTH Addenda, I/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981 WITH 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1067-450-22-192	N/A BU 6-3-93	NONE	NONE	N/A BU 6-3-93	UNKNOWN	REPLACEMENT	NO

7. Description of Work SUPPORT MODIFICATION

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A BU 6-3-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

Page 7 of 8

FORM NIS-2 (Back)

9. Remarks Tracking NUMBER 93-168 BaumWyn 6-3-93  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp \_\_\_\_\_ N \_\_\_\_\_ BM, 6-3-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed BaumWyn MECH ENG Date 6-3- 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I & I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eason \_\_\_\_\_ Commissions: TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93



WP D-06034-01

6 JAN 6A

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

1. Owner TENNESSE VALLEY AUTHORITY Date 6-3-93  
Name  
400 W SUMMIT HILL DR. Sheet 1 of 1  
Address TN  
KNOXVILLE,  
 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRINGCITY, TN 37771 WP# D-06034-01  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. NA 667  
P.O. Box 2000 SPRING CITY TN 37381 Expiration Date 6-3-93  
Address

4. Identification of System 608 Reactor Building

5. (a) Applicable Construction Code ASCC 19 73 Edition, JUNE 1973 Addenda, 1981 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 w/ addenda through NUMBER 1981.

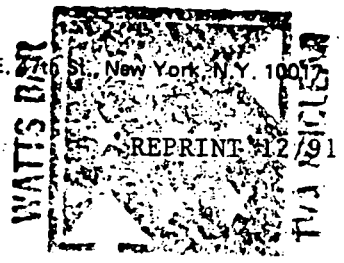
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-068-1-68-115	NA	NA	NA	DCN-K-06034-B	UNKNOWN	REPLACEMENT	NO
1068-1-68-416	X	X	X	↓	↓	↓	↓
1068-1-68-A22							
1068-1-68-426							

7. Description of Work MODIFY SUPPORTS - DELETE

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
NA 667 6-3-93

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.



MAY 06 1993

D-06034-01

FORM NIS-2 (Back) <sup>REV 6-3-92</sup>

9. Remarks NONE TRACKING # 93-109  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] Date 6-3, 19 93  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IRI CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/18/93 to 6/18/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93



WP

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

- 1. Owner TENNESSEE VALLEY AUTHORITY Date 6-4-93  
Name  
400 W. Summit Hill Drive, Knoxville, TN  
Address
- 2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, Spring City, TN 37771  
Address  
WP D-06263-01  
Repair Organization P.O. No., Job No., etc.
- 3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address  
Authorization No. N/A of 6-4-93  
Expiration Date 6-4-93
- 4. Identification of System REACTOR COOLANT (SYS 068)
- 5. (a) Applicable Construction Code ASME 19 73 Edition, 7th Addenda, N/A of 6-4-93 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 1981  
W/1981 WINTER ADDENDA.
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1068-1-68-042	N/A of 6-4-93	NONE	NONE	N/A of 6-4-93	UNKNOWN	REPLACEMENT	No
1068-1-68-046	↓	↓	↓	↓	↓	↓	↓
1068-1-68-047	↓	↓	↓	↓	↓	↓	↓
N/A of 6-4-93							

7. Description of Work SUPPORT MODIFICATION / DELETE (1068-1-68-046)

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A of 6-4-93

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.

REPRINT 12/91  
MAY 06 1993

WP n-n6263-01

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-170 CMAA 6-4-93  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A of 6-4-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed [Signature] MECH. ENGR Date JUNE 04 1993  
Owner or Owner's Designee, Title etc-4-93

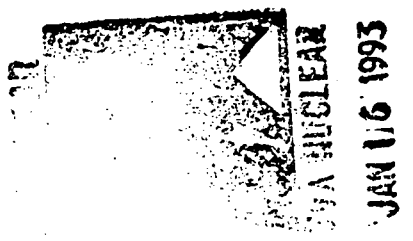
CERTIFICATE OF INSERVICE INSPECTION

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 I&I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-5-93 to 9-28-93. and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

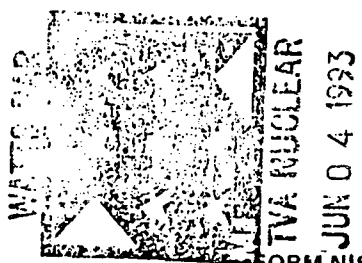
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 1993.







WORK INSTRUCTION D-16449-28

Page 85A cont. on Page 5B  
SFG-4-93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-4-93  
Name  
400 W. SUMMIT HILL DR KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000 SPRING CITY, TN 37771 Address  
D-16449-28  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Address  
Authorization No. NA  
Expiration Date SFG-4-93
4. Identification of System ESSENTIAL RAW COOLING SYS 067
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, NA Code Case SFG-4-93  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 81 W/1981 WINTER ADDENDUM.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1067-450-22-1CJ-1</u>	<u>NA SFG-4-93</u>	<u>NONE</u>	<u>NONE</u>	<u>NA SFG-4-93</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1067-450-22-1CJ-2</u>							
<u>1067-450-22-1D0-8</u>							
<u>1067-450-22-1Z-9</u>							
<u>NA SFG-4-93</u>							

7. Description of Work SUPPORT MODIFICATION
8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F NA SFG-4-93

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.

FORM NIS-2 (Back)

9. Remarks TRK NUM 93-171 SF 6-4-93

Applicable Manufacturer's Data Reports to be attached

Blank lines for additional remarks or manufacturer's data reports.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA SF 6-4-93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed S Forbes MECH ENGR Date 6-4-93 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB Z/I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/16/93 to 6/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmagh Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

NOV 10 1992

Page 5A of 5B

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-5-93  
Name

400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of 1  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name

P.O. BOX 2000, SPRING CITY, TN 37771 WP # D-03351-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Type Code Symbol Stamp  
Name

P.O. BOX 2000, SPRING CITY, TN 37221 Authorization No. N/A RS 6/5/93  
Address Expiration Date

4. Identification of System 63 / SIS

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, N/A RS 6/7/93  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THRU' 1981 WITH 1981 WINTER ADDENDUM RS 6/7/93

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1063-1-63-600	PSA	PSA/2147	N/A	DCA M03351-01 AND 02	N/A	REPLACEMENT	NO
N/A RS 6/5/93							

7. Description of Work REINSTALL HANGER PER DCN.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A RS 6/5/93

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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-172 BS 6/5/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N A BS 6/5/93

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Remond Date 6/5/, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB IPI CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/22/93 to 6/22/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Emmit Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/22, 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Name Date 6/7/93  
400 W. SUMMIT HILL DRIVE, KNOX, TN. Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1  
P.O. BOX 2000, SPRING CITY, TN. 37771 Address W.P. # D-04591-05 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODS Name Type Code Symbol Stamp N/  
WATTS BAR NUCLEAR PLANT Address Authorization No. WMP  
 Expiration Date 1A 6/7/93
4. Identification of System SYSTEM #062, CVCS
5. (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, NA WMP Addenda, NA WMP Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT # 1062-1-62A-262	N/A WMP 6/7/93	NONE	NONE	DCA-P04591-34 DCA-P04591-35	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-269		NONE	NONE	DCA-P04591-45 DCA-P04591-46 DCA-P04591-47	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-624		NONE	NONE	DCA-P04591-92, -93, -94, -95, -96	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-625		NONE	NONE	DCA-P04591-97, -98, -99, -100	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-625		NONE	NONE	DCA-P04591-105 DCA-P04591-106	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-625		NONE	NONE	DCA-P04591-107	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT # 1062-1-62A-625		NONE	NONE				

7. Description of Work MODIFIED SUPPORTS BY REMOVING EXISTING SNUBBERS AND REAR BRACKETS AND INSTALLED NEW SNUBBERS AND REAR BRACKETS WITH LARGER LOAD CAPACITY. ALSO INSTALLED KICKER AND NEW BASEPLATE FOR SUPPORT # 1062-1-62A-624.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A WMP 6/7/93

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.

# WORK INSTRUCTION # D-04519-05

Page 6A cont. on Page 7

## FORM NIS-2 (Back)

9. Remarks TRACKING # 93-173 wmo 6/7/93

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A wmo 6/7/93

Certificate of Authorization No. N/A wmo 6/7/93 Expiration Date N/A wmo 6/7/93

Signed MIKE DODD MIKE DODD, CONSTRUCTION ENGR. Date 6/7, 19 93  
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 TN and employed by HSB I & I CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6-17-92 to 6-26-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 6-26 19 93



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 5-20-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN Sheet 1 of       
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000, SPRING CITY, TN 93-09574-00  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA Type Code Symbol Stamp       
Name Authorization No. N/A RCR  
PO Box 2000, SPRING CITY, TN Expiration Date 5-20-93  
Address
4. Identification of System 063/S15
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-63-011</u>		<u>NA</u> <u>7/26/193</u>		<u>DCA 509810 - 07-0 SN 6723</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>No</u>
<u>NA/7/26/193</u>							

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure NA/7/26/193 Test Temp.      °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.

74261743  
W.O 93-09574-00  
Page 21 of 25

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

Tracking No. 93-174 MCB 6-7-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

NAK 6/7/93

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed Kenneth K. Sims

Owner or Owner's Designee, Title

Date 6-7

19 93

CERTIFICATE 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 HARTFORD STEAM BOILER INSPECTION & I.C. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-20-93 to 6-12-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

C. E. Mitealga  
Inspector's Signature

Commissions

TN-2633 A N I B  
National Board, State, Province, and Endorsements

Date JUNE 12 19 93



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

1. Owner TVA Name 400 Summit Hill Dr Knoxville, TN. Address  
Date 11/10/92  
Sheet 1 of
2. Plant Watts Bar Nuclear Plant Name  
P.O. Box 2000 Spring City, TN. Address  
Unit 1  
Repair Organization P.O. No., Job No., etc. WO# 92-12581-00
3. Work Performed by TVA Name  
P.O. Box 2000, Spring City, Tenn. Address  
Type Code Symbol Stamp BC  
Authorization No. N/A 11/10/92  
Expiration Date
4. Identification of System 063 / Safety Injection System
5. (a) Applicable Construction Code AISC 19 73 Edition, June 1973 Addenda, BC 11/10/92  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter 81 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<sup>4/29/93</sup> 1-63 <del>1063-A 435-8-54</del>		<del>    </del>	<del>    </del>	<del>    </del>	<del>    </del>	<del>    </del>	<del>    </del>
		<u>NA 7/93</u>		<u>47A435-8-54</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>NO</u>
<del>    </del>							
<del>    </del>							
<del>    </del>							
<del>    </del>							
<del>    </del>							

7. Description of Work Replace Clamp <sup>SM 11-18-92</sup> Replace Clamps  
N/A BC 11/10/92
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure      psi Test Temp.      °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

Tracking NO. 93-175 CMB 6-7-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

NAK 6/193

Certificate of Authorization No.

Expiration Date

Signed

Kenneth K. Lewis

Date

6-7

19 93

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB I & I CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/30/93 to 6/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh

Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date

6/30

19 93

WORK INSTRUCTION D-16449-17

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

1. Owner TVA Name \_\_\_\_\_ Date 6-7-93  
400 W. SUMMIT HILL DRIVE KNOX, TN. Address \_\_\_\_\_ Sheet 1 of 1  
 2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit 1  
PO BOX 2000, SPRING CITY, TN 37771 Address \_\_\_\_\_ WIP# D-16449-17 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA Name \_\_\_\_\_ Type Code Symbol Stamp N/A JWR 6-7-93  
WATTS BAR NUCLEAR PLANT Address \_\_\_\_\_ Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
 4. Identification of System 067  
 5. (a) Applicable Construction Code AISC 7th Ed. 73 Edition, N/A 6-7-93 Addenda, N/A 6-7-93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1067-A450-22-61	<u>N/A JWR 6-7-93</u>			<u>DCA-M-16449 59, 60, 61 &amp; 65</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
1067-A450-22-63	<u>N/A JWR 6-7-93</u>			<u>DCA-M-16449 05 &amp; 63</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
		<u>N/A</u>		<u>JWR 6-7-93</u>			

7. Description of Work MODIFIED SUPPORTS PER DCA'S M16449-05, 59, 60, 61 & 65  
 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A psi Test Temp. 67/93 °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.

WORK INSTRUCTION D-16749-17

FORM NIS-2 (Back)

9. Remarks NONE  
Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-176 JLF 6/7/93

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp \_\_\_\_\_  
 Certificate of Authorization No. N/A Expiration Date 6-7-93 JLF  
 Signed [Signature] Date 6-7-93, 19 93  
Owner or Owner's Designee, Title

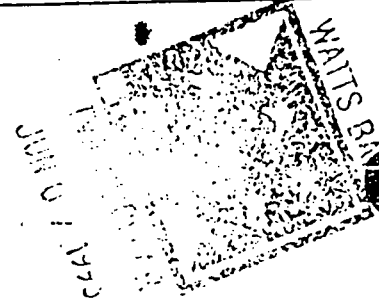
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSP I & I CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/16/93 to 6/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93



MAR 12 1993  
DEC 12

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-7-93  
Name  
400 W. SUMMIT HILL DR, KNOXVILLE, TN Sheet 1 of 2  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37771 WP# D-06181-02  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS Type Code Symbol Stamp  
Name  
WATTS BAR NUCLEAR PLANT Authorization No. N/A BS 6/7/93  
Address Expiration Date A

4. Identification of System 70/COMPONENT COOLING

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THRU 1981, WITH 1981 WINTER ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1070-1-70-170</u>	<u>N/A BS 6/8/93</u>	<u>NONE BS 6/8/93</u>	<u>N/A BS 6/8/93</u>	<u>N/A BS 6/8/93</u>	<u>UN-KNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>N/A BS 6/8/93</u>							

7. Description of Work SUPPORT MODIFICATION - INSTALL ITEMS 5, 6 AND 7.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A BS 6/8/93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

REPRINT 12/91

PLAN # D-06181-02  
WORK INSTRUCTION  
BS 6/8/93

DEC 12 1992

FORM NIS-2 (Back)

9. Remarks NONE RS 6/8/93

Applicable Manufacturer's Data Reports to be attached  
TRACKING # 93-177 RS 6/8/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Remarks Date 6/8, 1993  
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 TN and employed by HSB I & I Co. of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 12-11-92 to 6-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2537  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-26 1993.

RS 6/8/93  
**WORK INSTRUCTION**  
PLAN # D-06181-02



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6/7/93  
Name  
400 W. SUMMIT HILL DRIVE KNOX TN. Sheet 1 of 1  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000 SPRING CITY TN. 37771 W. P. D-16448-30  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, mech MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
WATTS BAR NUCLEAR PLANT Expiration Date N/A per 6/7/93  
Address
4. Identification of System ESSENTIAL RAW COOLING WATER / SYSTEM # 067
5. (a) Applicable Construction Code AISC, 7<sup>th</sup> 19 73 Edition, NA per 6/7/93 Addenda, NA per 6/7/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	NA per 6/7/93	NONE	NONE	* 1067-A450- 22-173 A	UNKNOWN	REPLACEMENT	NO
<del>NA per 6/7/93</del>							

7. Description of Work \*INSTALL SPACER PLATES
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure A psi Test Temp. \_\_\_\_\_ °F  
per 6/7/93

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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-178 BS 6/8/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A 420 6/7/93

Certificate of Authorization No. N/A 420 6/7/93

Expiration Date N/A 420 6/7/93

Signed Joe P. Davis  
Owner or Owner's Designee, Title

Date JULY 7 ~~JUNE 7~~, 19 93  
DR 6-8-93

CERTIFICATE 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 IIT CO. of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/17/93 to 6/17/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eammah  
Inspector's Signature

Commissions TN 2534  
National Board, State, Province, and Endorsements

Date 6/17, 19 93

WORK INSTRUCTION D-16448-30



TRK # 179

Page 5A cont. on Page 5B



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

1. Owner TVA Name Date 6-8-93

400 W. SUMMIT HILL DRIVE KNOX, TN Address Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT Name Unit 1

P.O. BOX 2000, SPRING CITY, TN 37771 Address WIP # D-16448-14 Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA Name Type Code Symbol Stamp

WATTS BAR NUCLEAR PLANT Address Authorization No. N/A JUL 6-8-93 Expiration Date

4. Identification of System 067

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A JUL 6/893 Addenda, N/A JUL 6/893 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 TARV - WITTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1067-A450-22-83</u>		<u>N/A</u>	<u>JUL 6-8-93</u>	<u>DCA-M16448-69</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1067-A450-22-84</u>				<u>DCA-M16448-70</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>1067-A450-22-90</u>				<u>DCA-M16448-72</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
			<u>N/A</u>	<u>JUL 6/8/93</u>			

7. Description of Work REVISE SUPPORTS PER DCA'S M16448 69, 70 & 72

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure  Other  Pressure  Fast Track

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.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRK # 179

69-93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

Owner or Owner's Designee, Title

Date 6/8/93

19 93

CERTIFICATE 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 I F I CO of \_\_\_\_\_

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/24/93 to 6/24/93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earnest  
Inspector's Signature

Commissions \_\_\_\_\_

TN 2534

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

6/24

19 93



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

1. Owner TVA Name \_\_\_\_\_ Date 6-9-93  
400 W. SUMMIT HILL DR. KNOXVILLE, TN Address \_\_\_\_\_ Sheet 1 of 1  
 2. Plant WATTS BAR NUCLEAR PLANT Name \_\_\_\_\_ Unit 1  
P.O. Box 2000, SPRING CITY, TN Address \_\_\_\_\_ W.P. D-16448-31 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA Name \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
P.O. Box 2000, SPRING CITY, TN Address \_\_\_\_\_ Authorization No. N/A  
 Expiration Date \_\_\_\_\_  
 4. Identification of System 67 / ESSENTIAL RAW COOLING WATER  
 5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985 thru WINTER 1981 Addition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1067-A450-22-192				DCA-M-16448-17 M-16448-73 M-16448-74	UNK	REPLACEMENT	NO
1067-A450-22-179				DCA-M-16448-06 M-16448-81	UNK	REPLACEMENT	NO

7. Description of Work MODIFIED SUPPORTS PER DCA-M-16448-17, 73, 74, 06, 81  
 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. N/A 6.9.93

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.

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

93-180 6/9/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

NA 93 6-9-93

Certificate of Authorization No.

Expiration Date

Signed

[Signature]

Date

6-9

19

93

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 4513 ILL CO of

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 7/22/93 to 9/2-1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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

MISSISSIPPI

National Board, State, Province, and Endorsements

Date

7/22/93

19

93

6 7

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

- 1. Owner TENNESSEE VALLEY AUTHORITY Date 6-8-93  
Name  
400 W. SUMMIT HILL DR. Address Sheet 1 of 1
- 2. Plant WATTI BAY NUCLEAR PLANT Unit 1  
Name  
P.O. Box 2000 SPRING CITY, TENN. Address  
WP # D-16449-36 Repair Organization P.O. No., Job No., etc.
- 3. Work Performed by TVA Type Code Symbol Stamp  
Name  
P.O. Box 2000 SPRING CITY, TENN. Address  
Authorization No. NA DC 6-8-93  
Expiration Date
- 4. Identification of System L7/LRCW
- 5. (a) Applicable Construction Code ASME Edition, 1973 Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THRU WINTER 1981 ADDITION

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1207-ASCO-22-137</u>	<u>NA</u>	<u>L-8-73</u>		<u>DCA-MIC-17-185</u>	<u>1980</u>	<u>REPLACEMENT</u>	<u>NO</u>

- 7. Description of Work NOISE SUPPORT BY ADDING ITEMS 21 THRU 27
- 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA DC 6-8-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

FORM NIS-2 (Back)

D 10449 28

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-181 of 6/10/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_

N/A DC 6-8-93

Expiration Date \_\_\_\_\_

Signed Bob Coakland

Owner or Owner's Designee, Title

Date 6-2

19 93

CERTIFICATE 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 HSBI & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 5-12-93 to 7-22-93. and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions \_\_\_\_\_

TN 2537

National Board, State, Province, and Endorsements

Date 7-22 19 93.

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6/10/93  
Name  
400 W. Summit Hill Drive Address Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
PO BOX 2000 SPRING CITY, TN. 37771 Address WO-93-07399-00  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TYA-WBN Type Code Symbol Stamp N/A  
Name Authorization No. \_\_\_\_\_  
PO BOX 2000 SPRING CITY, TN 37771 Address Expiration Date \_\_\_\_\_
4. Identification of System RHR-74
5. (a) Applicable Construction Code ASME III 1971 Edition, Summary 73 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80-W81.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHR Hx	ENG. + FAB. Co. 17811 8946	17811-A	1558	1-HTX-074-0030A	1975	REPAIRED	Y

7. Description of Work REMOVE DIMPLE
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A OW 6/13/93  
 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.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

TRACKING# 93-182 *dy* 6/10/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A DW 6/13/93

Certificate of Authorization No. \_\_\_\_\_

N/A DW 6/13/93

Expiration Date \_\_\_\_\_

NA DW 6/13/93

Signed \_\_\_\_\_

D. Watson  
Owner or Owner's Designee, Title

Mech. Maint.

Date \_\_\_\_\_

June 10

19 93

CERTIFICATE 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 IN and employed by HSB I. & T Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4-21-93 to 7-10-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions \_\_\_\_\_

TN 2537  
National Board, State, Province, and Endorsements

Date \_\_\_\_\_

7-10-1993



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-9-93  
Name

400 W. SUMMIT HILL DR. KNOXVILLE, TN Sheet 1 of 7  
Address

2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name

P.O. Box 2000, SPRING CITY, TN 37771 LOP # D-04532-01  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by WATTS BAR NUCLEAR PLANT Type Code Symbol Stamp  
Name TVA - MODIFICATIONS

WATTS BAR NUCLEAR PLANT Authorization No. N/A B8 6/9/93  
Address Expiration Date

4. Identification of System 3 / MAIN & AUX. FEEDWATER

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, N/A B8 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, w/ADDENDA THRU' WINTER 1981 <sup>6/9/93</sup>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<del>1003A-1-03A-566</del>	NA	NONE	NA	NA	UN-KNOWN	REPLACEMENT	NO
1003A-1-03A-566	↑	↑	↑	↑	↑	↑	↑
1003A-1-03A-567	↑	↑	↑	↑	↑	↑	↑
1003-A401-9-6	NA B8 6/9/93	NONE B8 6/9/93	NA B8 6/9/93	NA B8 6/9/93	UN-KNOWN B8 6/9/93	REPLACEMENT B8 6/9/93	NO B8 6/9/93
			NA B8 6/9/93				

Modified 6/9/93

7. Description of Work ADDIFY PIPE SUPPORTS

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N psi Test Temp. 158 6/9/93 °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.

WP 04532-01

6

FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING NO: 93-183 B8 6/10/93

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

Certificate of Authorization No.

NA B8 6/9/93

Expiration Date

Signed

[Signature]

Owner or Owner's Designee, Title

Date

6/9

1993

CERTIFICATE 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 I & I Co. of Hartford, CT.

have inspected the components described in this Owner's Report during the period 3-24-93 to 8-11-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Inspector's Signature

Commissions

TN 2537

National Board, State, Province, and Endorsements

Date

8-11

1993

TVR 888888

MAR 28 1993

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

1. Owner TENNESSE VALLEY AUTHORITY Date 7/16/93 6/9/12/96  
Name  
400 W SUMMIT HILL DRIVE, KNOXVILLE TN  
Address  
 2. Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 2  
Name Unit 1  
P.O. Box 2000, SPRING CITY, TN WO # 93-10472-00  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by WATTS BAR NUCLEAR MAINT. Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. \_\_\_\_\_  
P.O. Box 2000, SPRING CITY TN Expiration Date \_\_\_\_\_  
Address

N/A 6/15-93

4. Identification of System 62- CHEMICAL VOLUME CONTROL  
 5. (a) Applicable Construction Code ASME III 1974 Edition, 574 Addenda, N/A Code Case 6-15-93  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 w81

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEAL WTR HTX 1A	ATLAS IND. MFG.	3159	2537	1-HTX-062-0066	1975	Replaced	YES

7. Description of Work REPLACED SHELL TO BONNET FLANGE BOLTING  
 8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

N/A 6-15-93

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.

FORM NIS-2 (Back)

9. Remarks

TRACKING NO. 93-184

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/R DTW 7/18/93

Certificate of Authorization No. N/R DTW 7/18/93 Expiration Date N/R DTW 7/18/93

Signed Stephen F. Cullin Date 7/16, 19 93  
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 TN. and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6-24-93 to 7-20-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Stephen F. Cullin  
Inspector's Signature

Commissions TN 2537  
National Board, State, Province, and Endorsements

Date 7-20 19 93.

D-04588-01

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

1. Owner TENNESSEE VALLEY AUTHORITY  
Name  
400 W. SUMMIT HILL DR. KNOXVILLE, TN  
Address

Date 6-15-93  
Sheet 1 of 1

2. Plant WATS BAR NUCLEAR PLANT  
Name  
PO Box 2000, SPRING CITY, TN. 37771  
Address

Unit 1  
WP# D-04588-01  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA  
Name  
PO Box 2000, SPRING CITY, TN.  
Address

Type Code Symbol Stamp NA DC 6-15-93  
Authorization No. \_\_\_\_\_  
Expiration Date \_\_\_\_\_

4. Identification of System 62 C.V.C.S.

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, 1981 APPENDIX Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1012-AYDL-6-64</u>				<u>DCA-P01588-15</u>	<u>UNKNOWN</u>	<u>REPLACEMENT</u>	<u>NO</u>
				<u>NA DC 6-15-93</u>			

7. Description of Work DELETE SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NA DC 6-15-93  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

(12/82)

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REPRINT 12/91

D-04588-01

FORM NIS-2 (Back)

9. Remarks NONE TRACKING No. 93-185  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_  
Certificate of Authorization No. NA DC 6-15-93 Expiration Date \_\_\_\_\_  
Signed Del Copeland Date 6-15, 19 93  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by HSB III CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/16/93 to 6/16/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Earmstrong Commissions T.V. 2534  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6/16 19 93

# WORK INSTRUCTION D-04667-12

Page 6 cont. on Page 7

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6/2/93  
Name  
400 W. SUMMIT HILL DR. KNOX, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit ONE  
Name  
P.O. BOX 2000, SPRING CITY TN 37771  
Address W.P.-D-04667-12  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA, MECH. MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name Authorization No. N/A DK  
WATTS BAR NUCLEAR PLANT Expiration Date 6/2/93  
Address
4. Identification of System SAFETY INJECTION SYSTEM (SYSTEM # 063)
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A <sup>DK</sup> 6/2/93 Addenda, N/A <sup>DK</sup> 6/2/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981  
 WITH 1981 WINTER ADDENDA.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A DK 6/2/93	NONE	NONE	1063-63-1515-V145	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT	N/A	NONE	NONE	1063-63-1515-V163	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT	N/A	NONE	NONE	1063-63-1515-R177	UNKNOWN	REPLACEMENT	NO
PIPE SUPPORT	N/A V	NONE	NONE	1063-63-1515-R243	UNKNOWN	REPLACEMENT	NO

7. Description of Work MODIFICATION TO SUPPORTS PER DCN P-04667.

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F N/A 6-17-93

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.

(12/82)

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# WORK INSTRUCTION D-04667-T2



Page 7 cont. on Page 8

## FORM NIS-2 (Back)

9. Remarks TRKG NUM - 93-186  
Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Report conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A SK 6/2/93

Certificate of Authorization No. N/A SK 6/2/93 Expiration Date N/A SK 6/2/93

Signed John D. Sampson Date 6-17, 19 93  
Owner or Owner's Designee, Title

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by WRB LLC of

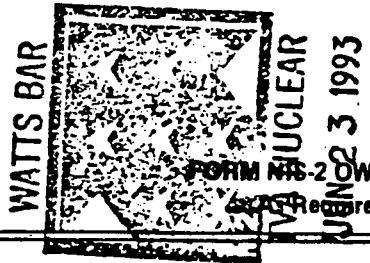
have inspected the components described in this Owner's Report during the period 8/27/93 to 8/27/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/27 19 93





FORM NO. 2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
 Required by the Provisions of the ASME Code Section XI

- Owner TENNESSEE VALLEY AUTHORITY Date 6/17/93  
 Name  
400 W SUMMIT HILL DRIVE KNOX TN.  
 Address
- Plant WATTS BAR NUCLEAR PLANT Sheet 1 of 1  
 Name  
P.O. Box 2000 SPRING CITY TN. 37771  
 Address  
W.P. D-16449-27  
 Repair Organization P.O. No., Job No., etc.
- Work Performed by IYA MECH MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
 Name  
WATTS BAR NUCLEAR PLANT  
 Address  
 Authorization No. N/A  
 Expiration Date 6/19/93
- Identification of System ESSENTIAL RAW COOLING WATER / SYSTEM 67
- (a) Applicable Construction Code AISC, 7<sup>TH</sup> 19 73 Edition, NA 400 6/17/93 Addenda, NA 400 6/17/93 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 EDITION THRU WINTER 1981 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

800  
43093

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PIPE SUPPORT	NA 400 6/17/93	NONE	NONE	1067-A450-22-150	UNKNOWN	REPLACEMENT	NO
② PIPE SUPPORT	NA 400 6/17/93	NONE	NONE	1067-A450-22-151	UNKNOWN	REPLACEMENT	NO
N A 6/17/93							

7. Description of Work ① INSTALLED NEW PIPE CLAMP ② INSPECTED SUPPORT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure  Test Temp. \_\_\_\_\_ °F  
6/17/93

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.

WORK INSTRUCTION D-16 449-27

JED 6/17/93

FORM NIS-2 (Back)

9. Remarks #187 93-187  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A JED 6/17/93

Certificate of Authorization No. N/A JED 6/17/93 Expiration Date N/A JED 6/17/93

Signed Jed E Davis Date 6/17/93, 19\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employed by HSB I&T CO of \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 6/30/93 to 6/30/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eammah Commissions TN 2534  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/30 19 93

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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-19-93  
Name  
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN  
Address
2. Plant WATTS BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2000, SPRING CITY, TN 37381  
Address D-12673-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA - MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name  
WATTSBAR NUCLEAR PLANT  
Address Authorization No. N/A  
 Expiration Date YMS 6-19-93
4. Identification of System SAFETY INJECTION, SYS. 63
5. (a) Applicable Construction Code AISC 1973 Edition, 7th Addenda, N/A <sup>YMS</sup> Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
1063-63-1515-R212	N/A YMS 6-19-93	NONE	NONE	N/A YMS 6-19-93	UNKNOWN	REPLACEMENT	NO		
1063-63-1515-R107								NO	
1063-63-1515-R110								REPLACEMENT	NO
1063-63-1515-V117								REPAIRED	NO
1063-63-1515-V223								REPAIRED	NO

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  N/A <sup>YMS</sup> 6-19-93  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °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.

12/82  
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 JUN 7 1993

W/P D-12673-01

2 (1/16/93)  
2

Page 1f cont. on Page 2

FORM NIS-2 (Back)

Sheet 2 of 2

9. Remarks TRACKING NUMBER 93-188 YIB 6-19-93

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE REPAIR AND**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A YIB 6-19-93

Certificate of Authorization No.

Expiration Date

Signed Y. Dalal, MECH. ENGR.

Date 6-19-1993

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 TN and employed by HSB I & T CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-26-93 to 7-2-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

TN 2537

National Board, State, Province, and Endorsements

Date 7-2-1993



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

1. Owner TENNESSEE VALLEY AUTHORITY Date 6-24-93  
Name  
400 W. SUMMIT HILL DRIVE KNOXVILLE TN  
Address  
 Sheet 1 of 1  
 2. Plant WATT'S BAR NUCLEAR PLANT Unit 1  
Name  
P.O. BOX 2222 SPRING CITY TN 37381  
Address  
D-16449-32  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by TVA MODIFICATIONS Type Code Symbol Stamp \_\_\_\_\_  
Name  
WATT'S BAR NUCLEAR PLANT Authorization No. \_\_\_\_\_  
Address  
 Expiration Date 6-24-93

4. Identification of System \_\_\_\_\_  
 5. (a) Applicable Construction Code AISC 19 13 Edition, SEVENTH Addenda, NA Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THRU 1981  
 WITH ADDENDA THRU WINTER 1981

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1067-A450 -22-1	N/A 6/24/93	NONE	NONE	N/A 6/24/93	UNKNOWN	REPLACEMENT	NO
1067-A450 -22-8	N/A 6/24/93	NONE	NONE	N/A 6/24/93	UNKNOWN	REPLACEMENT	NO

7. Description of Work: SUPPORT MODIFICATION

8. Tests Conducted:  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
NA 6/24/93

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FORM NIS-2 (Back)

9. Remarks

TRACKING NO. 93-189 <sup>CGT 6-21-93</sup>

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. <sub>repair or replacement</sub>

Type Code Symbol Stamp

NA CGT 6-24-93

Certificate of Authorization No.

Expiration Date

Signed

[Signature]  
Owner or Owner's Designee, Title

Date

6-24-93, 19 93

CERTIFICATE 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 HSEI CO. of

have inspected the components described in this Owner's Report during the period 7/8/93 to 7/3/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Eamigh

Inspector's Signature

Commissions

TN 2534

National Board, State, Province, and Endorsements

Date

7/8, 19 93

CGI 1995