50-390 WATTS BAR 1 TVA

PRESERVICE INSPECTION REPORT (PT. 3)

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


# -NOTICE-

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# -NOTICE-

K-P04513A-1
WORKPLAN ~~K-P03~~ 9-10-91

APPENDIX E
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Page IX-74

Summary Report
Form NIS-2 Attachment

Date 9-9-91

1. (Owner) Tennessee Valley Authority
Nuclear Power

Report Tracking Number 91-3-159 9/10/91

Sheet 1 ___ of ___
Unit 1
WID No. K-P04513A1

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

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 9-9-91

P.O. BOX 2000
Address

Authorization No.[2] N/A 9-9-91

SPRING CITY, TN. 37381
City and State

Expiration Date[2] N/A 9-9-91

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

5. (A) Applicable Construction Code AISC 1973 Edition
JUNE 1973 Addenda N/A 9-9-91 Code Case

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 03B-1AFW-174
EL. 748'-3" / 9'-5" E (AZ), 5'-5" N (U), ~~EX~~ 9-9-91

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

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

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

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

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]

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

7. Brief description of repair or replacement work performed: MODIFY PIPE SUPPORT PER WP#K-P04513A1/0 REMOVE ITEMS PER STEP 047, SECT. 2 WK INSTRUCTIONS, INSTALL ITEM No. 8, INSTALL REMAINING ITEMS.

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

9. Remarks: NONE

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

Prepared by Daniel G Norman / MODIFICATIONS Date 9-9-91
Organization

ANII B Earnest Date 12/7/95

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

NUI PUC REVIEW

WORKPLAN KPO 4797A-1

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APPENDIX E
Page 1 of 1

Summary Report
Form NIS-2 Attachment

. (Owner) Tennessee Valley Authority
Nuclear Power

Date 9/14/91
Report Tracking Number 91-62-163 9/16/91

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

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

. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 9/14/91

P.O. Box 2000
Address

Authorization No.[2] N/A 9/14/91

Spring City Tenn
City and State

Expiration Date[2] N/A 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 9/14/91 Code Case N/A 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'-13½" - Az-51° 4 - Reactor -
(B) Name of manufacturer TVA
Address of manufacturer (if known) PO Box 2000 Springcity Tenn
(C) Manufacturer's Serial Number N/A 9/14/91
(D) National Board Number (if applicable) N/A 9/14/91
(E) Other identification (Subassembly number, heat number, etc.) N/A 9/14/91

(F) Year built _____ Code Class 1 [ ] 2 [X]
(G) Repaired [ ] Replaced[3] [ ] Replacement[4] [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 9/14/91 psi Test Temperature N/A 9/14 °F

Remarks: None

9/14/91 Applicable Manufacturer's Data Report[5] to be attached.
Prepared by [signature] / MODS Date 9/14/91
Organization

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

Sheet nos. filled in by ISI programs
For work performed by certificate holder
Replaced (like or equivalent)

4 Replacement (Modification)
5 When required by Construction Code

KPO 4797A11
WORKPLAN

APPENDIX E
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Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

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

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

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

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/a CR 9/14/91

P.O. Box 2000
Address

Authorization No.[2] N/a CR 9/14/91

Spring City, TENN
City and State

Expiration Date[2] N/a CR 9/14/91

4. Identification of system 1062-1-62-615 - Class 2 - 3/4" Pipe

5. (A) Applicable Construction Code ASC 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 1062-1-62-615
Reactor EL. 722' 11 1/4 - 28' 3 1/16" off 0° & RC Pump #1 - 3/4" Pipe

6. (B) Name of manufacturer TVA
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 1990 Code Class 1 [ ] 2 [X]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [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 PO 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

CR 9/14/91 (N/a) Applicable Manufacturer's Data Report[5] 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
2 For work performed by certificate holder
3 Replaced (like or equivalent)
4 Replacement (Modification)
5 When required by Construction Code

KPO 4797A-1
WORKPLAN

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Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

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

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

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

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 9/14/91

P.O. Box 2000
Address

Authorization No.[2] N/A 9/14/91

Spring City TENN
City and State

Expiration Date[2] N/A 9/14/91

4. Identification of system 1062-1-62A-610 - Class 2 (1½" Pipe)

5. (A) Applicable Construction Code AISC 1973 Edition
6-73 Addenda N/A 9/14/91 Code Case N/A 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° & Cmt 53'10½", 1½" 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 9/14/91

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

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

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [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 9/14/91 psi Test Temperature N/A 9/14/91 F

9. Remarks: None

9/14/91 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] / MODS Date 9/14/91
Organization

ANII [signature] Date 11-5-91

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-P04722A-1

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APPENDIX E
Page 1 of 1

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date NA 9-16-91
Report Tracking Number 91-62-169 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

Type Code Symbol Stamp[2] NA 9-16-91

P.O. Box 2000
Address

Authorization No.[2] NA 9-16-91

Spring City, TN 37381
City and State

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

6. (A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) Pipe support #1062-A406-8-72 B.P. 2600-1.5 R/S Pipe Clamp B.P. 2540-1.5 R/S Snubber Ass'y. TS 4x4x3/16.

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 4x4x3/16, Ht # Y07389. End attachment, Heat # Y07389

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ] [X] new installation

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

7. Brief description of repair or replacement work performed: Fabricate & install new support per DCA P04722-05-0, -06-0 Ref: (L-62-HAAUP-012-0m)

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

9-16-91 (NA) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] / MODS Date 9-16-91
Ron Barksdale, R.E. Organization

ANII [signature] Date 11-5-91

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



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

WORKPLAN K-P04722A-1

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APPENDIX E
Page 1 of 1

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date NA 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 9-16-91

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] NA 9-16-91

P.O. Box 2000
Address

Authorization No.[2] NA 9-16-91

Spring City, TN. 37381
City and State

Expiration Date[2] NA 9-16-91

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

5. (A) Applicable Construction Code ASC 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)
TS 3x3x1/4, TS 2x2x3/16, ∠ 1 1/2 x 1 1/2 x 1/4, PL 1/2 x 3 x 3, PL 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 9-16-91

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

6. (E) Other identification (Subassembly number, heat number, etc.) TS 3x3x1/4, HT# 161133, TS 2x2x3/16, HT# W85304, ∠ 1 1/2 x 1 1/2 x 1/4, HT# T5-0771, PL 1/2, HT# B6781.

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ] [X] New installation

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

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 9-16-91 psi Test Temperature NA 9-16-91 F

9. Remarks: NA 9-16-91

9-16-91 (NA) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] MODS Date 9-16-91
Ron Bonsdale RE Organization

ANII [signature] Date 11-3-91

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



1-624-401
1-624-402

WORKPLAN K-P04722A-1

APPENDIX E
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Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date NA 9-16-91
Report Tracking Number 91-62-171 9/19/91

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

Type Code Symbol Stamp[2] NA 9-16-91

P.O. Box 2000
Address

Authorization No.[2] NA 9-16-91

Spring City, TN. 37381
City and State

Expiration Date[2] NA 9-16-91

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

5. (A) Applicable Construction Code ASC 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'-10½" (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 [X] 2 [ ]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ] [X] deleted

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

7. Brief description of repair or replacement work performed: Remove items #3 & #5 leaving item #1 in order to remove support. This support to be voided ref.: (1-62-HAAUP012-019)

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[5] to be attached.

Prepared by [signature] MODS Date 9-16-91
Ron Banksdale RE Organization

ANII B. Carmyn 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

WORKPLAN K-P04722A-1

APPENDIX E
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Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date NA 9-16-91
Report Tracking Number 91-62-172 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)

Type Code Symbol Stamp[2] NA 9-16-91

4. P.O. Box 2000 (Address)

Authorization No.[2] NA 9-16-91

Spring City, TN 37381 (City and State)

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 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-401, AZ 47°, EL 722-10½" (Ref.), R.C. Loop#1 Voided Support.

6. (B) Name of manufacturer TVA and Bergen-Paterson 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 [X] 2 [ ]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ] Deleted [X]

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

7. Brief description of repair or replacement work performed:
Unbolt & remove support per DCA P04722-10-0, -11-0
Ref: (1-62-HAAUP-012, -013)

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

(NA) Applicable Manufacturer's Data Report[5] to be attached. 9-16-91

Prepared by [signature] MODS Date 9-16-91
Ron Banksdale, P.E. Organization

ANII B. Earnigh 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

WORKPLAN K-P04722A-1

ANI

APPENDIX E
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**Summary Report**
**Form NIS-2 Attachment**

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 9-17-91
Report Tracking Number 91-74-174 9/18/91

2. (Address) WATTS BAR NUCLEAR PLANT

Sheet 1 of
Unit 1
WID No.

3. Work performed by: TVA
Company

P.O. BOX 2000
Address

SPRING CITY, TN
City and State

Type Code Symbol Stamp[2] N/A 9-17-91
Authorization No.[2] N/A 9-17-91
Expiration Date[2] N/A 9-17-91

4. Identification of system 74, RHR, ASME CLASS 1 (14" Ø PIPE)

5. (A) Applicable Construction Code ASME 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, RB1, 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 [X] 2 [ ]

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

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

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

9-17-91 N/A Applicable Manufacturer's Data Report[5] to be attached.

Prepared by Bruce Nord / MOD Date 9-17-91
Organization

ANII M B Chapman Date 11-6-96

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



WORKPLAN WP KP05922A-1

APPENDIX D
Page 1 of 1

**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 9-29-90
2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] ____ of ~~TM~~ 9-17-91
Unit 1
91-63-175 TM 9-19-91
Report Tracking No. ~~N/A TM 9-17-91~~
3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A TK 9-29-90
P.O. Box 2000
Address
Authorization No.[b] N/A TK 9-29-90
Spring City, TN.
City and State
Expiration Date[b] 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 Elv. 722'0" Az 214°35' Rad= 32'7" RB1
6(B). Name of Manufacturer N/A TK 9-29-90
Address of Manufacturer (if known) N/A 9-29-90 TK
6(C). Manufacturer's Serial Number N/A 9-29-90 TK
6(D). National Board Number (if applicable) N/A 9-29-90 TK
6(E). Other Identification (subassembly number, heat number, etc.) N/A TK 9-29-90
6(F). Year Built N/A TK 9-29-90
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
6(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[e] to be attached.
TK 9-29-90
Responsible Engr [signature] / MEA-NC 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.

APPENDIX D
Page 1 of 1

## SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 9-29-90

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

Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-063-176

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

Type Code Symbol Stamp[b] N/A TK 9-29-90
Authorization No.[b] N/A TK 9-29-90
Expiration Date[b] N/A TK 9-29-90

4. Identification of System 063 SIS ASME-Class 2 / TK 9-29-90
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 - W 1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
Pipe support 1-63-551 located at Elv. 722'0" Az. 214°35', Rad=32'7" RB1
6(B). Name of Manufacturer N/A TK 9-29-90
Address of Manufacturer (if known) N/A TK 9-29-90
6(C). Manufacturer's Serial Number N/A TK 9-29-90
6(D). National Board Number (if applicable) N/A TK 9-29-90
6(E). Other Identification (subassembly number, heat number, etc.) N/A TK 9-29-90
6(F). Year Built N/A TK 9-29-90
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 ☐
Nominal operating pressure ☐ Other ☐ TK 9-29-90 90 TK 1-23-91
Pressure N/A TK 9-29-90 psi Test Temperature N/A °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
TK 9-29-90 Responsible Engr Thomas Kimbrell / MEA-NC Date 9-29-90
Organization

ANII [signature] Date 10-28-91

[a] 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.

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PAGE IX-61 OF TM 9-13-91

APPENDIX D
Page 1 of 1

## SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 10-29-90
2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-63-177
3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A TK 10-29-90
P.O. Box 2000
Address
Authorization No.[b] N/A TK 10-29-90
Spring City, Tenn.
City and State
Expiration Date[b] N/A TK 10-29-90
4. Identification of System D63 ASME Class 1
5(A). Applicable Construction Code AISC 19 73
Edition June 1973 Addenda N/A TK 10-29-90
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 ☐[c] Replacement ☐[d]
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) on 1-21-91
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A TK 10-29-90 psi Test Temperature N/A TK 10-29-90 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
TK 10-29-90 Responsible Engr * ~~N/A TM TM 9-18-91~~ Date 9-18-91
* Thomas F Weir 9-19-91 Organization
* 1490 DS

ANII [signature] Date 11/7/91

[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.

Name of component: Pipe support 1-63-160, Part No. 2640-.65 snubber attached to 1½" pipe in CTMT, Elv. 723'1½", Az. 301°, Rad= 36'-0 5/16".

Name of component: Pipe support 1-63-163, Part No. 2640-.65 snubber attached to 2" Tube Steel and 1½" pipe in CTMT., Elv. 722'4", Az. 301° Rad= 31'-7 3/16".

Name of Component: Pipe support 1-63-161, Part No. 2540 PSA 1/4 attached to 1½" pipe in CTMT, Elv. 723'3", Az. 301° Rad: 36'-0 9/16"

Supp. Sheet To AI-9.15
Rev. 11
Page 26A of 33
gj 1-21-91

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SUMMARY REPORT-FORM NIS-2 ATTACHMENT

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

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 91-63-182 9/24/91

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

Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A JPN 9-15-90
Expiration Date[b] N/A JPN 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 JPN 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-A435-1674: 3/4" PL
N/A J.T. 9/24/91
6(B). Name of Manufacturer TVA
Address of Manufacturer (if known) SPRING CITY, TN.
6(C). Manufacturer's Serial Number N/A JPN 9-15-90
6(D). National Board Number (if applicable) N/A JPN 9-15-90
6(E). Other Identification (subassembly number, heat number, etc.)
HT.# W87621
6(F). Year Built 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☐ No ☒
7. Brief description of repair or replacement work performed.
ADDED 3/4" THICK STIFFENER
J.T. 9/24/91
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A JPN 9-15-90 psi Test Temperature N/A JPN 9-15-90 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
9-15-90
Responsible Engr L.E. J. Trahl MODS Date 9/24/91
Organization
ANII B. Earnest Date 11/3/91

[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
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## 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[a] 1 of 1
Unit 1
Report Tracking No. 91-63-183
Type Code Symbol Stamp[b] N/A DnH 5-3-91 9/21/91
Authorization No.[b] N/A DnH 5-3-91
Expiration Date[b] N/A DnH 5-3-91

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

4. Identification of System 063, 515
5(A). Applicable Construction Code AISC 1973
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-A435-8-73
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 ☒[c] Replacement ☐[d]
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 DnH 5-3-91 °F
9. Remarks: NONE DnH 5-3-91

(N/A) Applicable manufacturer's data report[e] to be attached.
DnH 5-3-91
Responsible Engr L.E. J. Task 1 MODS Date 9/24/91
Organization

ANII B. Earnest Date 11/3/91

[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.

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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[a] 1 of 1
Unit 1
Report Tracking No. 91-63-184 9/24/91
Type Code Symbol Stamp[b] N/A 5-3-91

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

Authorization No.[b] /
Expiration Date[b] N/A 5-3-91

4. Identification of System 063, SIS

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

6(D). National Board Number (if applicable) N/A 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 ☐[c] Replacement ☒[d]

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 5-3-91 psi Test Temperature N/A 5-3-91 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached. 5-3-91

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

ANII B. Earnest Date 11/3/91

[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.

KP04633A-3
WP SCA

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 91-63-185 9/24/91

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

Type Code Symbol Stamp[b] N/A DMH 4-30-91
Authorization No.[b] N/A DMH 4-30-91
Expiration Date[b] N/A DMH 4-30-91

4. Identification of System 63, SIS ASME-CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A DMH 4-29-91
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 1063-1-63-0560, RB-1, AZ-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 DMH 4-29-91
6(D). National Board Number (if applicable) N/A DMH 4-29-91
6(E). Other Identification (subassembly number, heat number, etc.) N/A DMH 4-29-91
6(F). Year Built 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☐ No ☒ DMH 5-3-91
7. Brief description of repair or replacement work performed.
Modify existing pipe support under Workplan K-P04633A-3.
N/A J.T. 9/24/91
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A DMH 4-30-91 psi Test Temperature N/A DMH 4-30-91 °F
9. Remarks:
N/A J.T. 9/24/91

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

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ANII B. Earnsh Date 11/3/91

[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.

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## SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 9/24/91 L.E.J.T. 9/24/91

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 91-63-186 9/26/91

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A DAH 5-3-91
Expiration Date[b]

4. Identification of System 063, 515

5(A). Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda N/A DAH 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
RB UNIT 1 AZ 140° EL 724'-9 3/4" R≅25'

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

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

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

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

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

6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]

6(H). ASME Code Stamped Yes ☐ No ☒

7. Brief description of repair or replacement work performed.
SUPPORT VOIDED PER DCN P-04633-B
N/A J.T. 9/24/91

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

9. Remarks: NONE

(N/A DAH 5-3-91) Applicable manufacturer's data report[e] to be attached.

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

ANII B. Earnest Date 11/3/91

[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.

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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[a] 1 of 1
Unit 1
Report Tracking No. 91-63-187 bff 9/26/91

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

Type Code Symbol Stamp[b] /
Authorization No.[b] /
Expiration Date[b] N/A PnH 5-3-91

4. Identification of System 063, 515
5(A). Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda N/A PnH 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
Address of Manufacturer (if known) SPRING CITY, TN
6(C). Manufacturer's Serial Number N/A PnH 5-3-91
6(D). National Board Number (if applicable) N/A PnH 5-3-91
6(E). Other Identification (subassembly number, heat number, etc.)
10" Ø PIPE, 20" Ø SLEEVE
6(F). Year Built 1990
6(G). Repaired ☐ Replaced ☐[c]
6(H). ASME Code Stamped Yes ☐ Replacement ☒[d]
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 ☐
Pressure N/A PnH 5-3-91 psi Test Temperature N/A PnH 5-3-91 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data reports to be attached.
PnH 5-3-91
Responsible Engr L.E. J.Tank / MODS Date 9/24/91
Organization

ANII B. Earnest Date 11/3/91

[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.



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APPENDIX D
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 9/24/91 L.E. J.T. 9/24/91

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 91-63-188 9/21/91

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A
Expiration Date[b] 5-3-91

4. Identification of System 063, 515

5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 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'-10¼" 5-3-91 AZ ≈ 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 5-3-91

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

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

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

6(G). Repaired ☐ Replaced ☐[c]

6(H). ASME Code Stamped Yes ☐ Replacement ☒[d]
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 5-3-91 psi Test Temperature N/A °F 5-3-91

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached. 5-3-91

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

ANII B. Earnsh Date 11/3/91

[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.

WORKPLAN M5841-1
Page 9-56

APPENDIX E
Page 1 of 1

**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 9/26/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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. 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 [X] 2 [ ]

6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ 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 & 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~~ N/A BAP 9-13-91

9. Remarks: WORKPLAN No. M5841-1

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

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

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

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

APPENDIX E
Page 1 of 1

WORKPLAN M5841-1
Page 9-54

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 9-13-91 B&P 11-6-91 L.E.
Report Tracking Number 91-62-190 9/26/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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 B&P 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 B&P 9-13-91
Address of manufacturer (if known) N/A B&P 9-13-91
6. (C) Manufacturer's Serial Number N/A B&P 9-13-91
6. (D) National Board Number (if applicable) N/A B&P 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 B&P 9-13-91 Code Class 1 [X] 2 [ ]
6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A B&P 9-13-91
6. (H) ASME Code Stamped YES [X] 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.

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

9. Remarks: WORKPLAN NO. M5841-1

~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A B&P 9-13-91

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

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

Sheet nos. filled in by ISI programs
For work performed by certificate holder
Replaced (like or equivalent)
4 Replacement (Modification)
5 When required by Construction 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 B&P 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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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 B&P 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 R7A(A) TO WELD MAP WBN E-2879 IC-36 R.7
6. (B) Name of manufacturer N/A B&P 9-13-91
Address of manufacturer (if known) N/A B&P 9-13-91
6. (C) Manufacturer's Serial Number N/A B&P 9-13-91
6. (D) National Board Number (if applicable) N/A B&P 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 B&P 9-13-91 Code Class 1 [X] 2 [ ]
6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A B&P 9-13-91
6. (H) ASME Code Stamped YES [X] 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.

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

9. Remarks: WORKPLAN NO. M5841-1

~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A B&P 9-13-91

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

ANII [signature] Date 11-6-91

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

WORKPLAN M5841-1
Page 9-50

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 9-13-91 BRP 11/6/91 L.E.
Report Tracking Number 91-62-192 9/26/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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 BRP 9-13-91

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

7. (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 R4
(B) Name of manufacturer N/A BRP 9-13-91
Address of manufacturer (if known) N/A BRP 9-13-91
(C) Manufacturer's Serial Number N/A BRP 9-13-91
(D) National Board Number (if applicable) N/A BRP 9-13-91
(E) Other identification (Subassembly number, heat number, etc.)
SUBASSEMBLY NUMBER: 1-62-5-16-2
(F) Year built N/A BRP 9-13-91 Code Class 1 [X] 2 [ ]
~~(G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ]~~ N/A BRP 9-13-91
(H) 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 BRP 9-13-91
~~Nominal operating pressure [ ] Other [ ]~~ N/A BRP 9-13-91
~~Pressure psi Test Temperature F~~ N/A BRP 9-13-91

Remarks: WORKPLAN No. M5841-1

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

Prepared by [signature] / NC-MODS Date 11-6-91
Organization

ANII [signature] Date 11-6-91

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

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 B&P 11/6/91 L.E.
Report Tracking Number 91-62-153 9/26/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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 B&P 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~~ B&P 9-13-91 SK. 406-9 SH. 1 R4
6. (B) Name of manufacturer N/A B&P 9-13-91
Address of manufacturer (if known) N/A B&P 9-13-91
6. (C) Manufacturer's Serial Number N/A B&P 9-13-91
6. (D) National Board Number (if applicable) N/A B&P 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 B&P 9-13-91 Code Class 1 [X] 2 [ ]
6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A B&P 9-13-91
6. (H) ASME Code Stamped YES [X] 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.

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

9. Remarks: WORKPLAN No. M5841-1

~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A B&P 9-13-91

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

ANII M B Chapman Date 11-6-91

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 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 9/26/91

. (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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

(A) Applicable Construction Code ASME SECTION III 1971 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

(A) 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
(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-S-15-35
(F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]
~~(G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ]~~ N/A BAP 9-13-91
(H) 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] / NC-MODS Date 9-13-91
Organization

ANII [signature] 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

APPENDIX E
Page 1 of 1

WORKPLAN M5841-1
Page 9-44

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 91-62-195 4/24/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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-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: 1-62-5-15-37
6. (F) Year built N/A BAP 9-13-91 Code Class 1 [X] 2 [ ]
6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ 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 & 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 Bradford L. Perdue / NC-MODS Date 9-13-91
Organization

ANII M B Chapman Date 11-6-91

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

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9-42

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 91-62-196 9/26/91

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 (Company) Type Code Symbol Stamp[2] NA
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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-D036-07D
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[3] [ ]~~ ~~Replacement[4] [ ]~~ 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 & 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~~ N/A BAP 9-13-91

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[illegible] nos. filled in by ISI programs
For work performed by certificate holder
Replaced (like or equivalent)

4 Replacement (Modification)
5 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 4-25-91

Sheet[a] 1 of 1 7/2/91
Unit 1
Report Tracking No. 91-74-198 N/A 9/18/91

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

Type Code Symbol Stamp[b] N/A 4-25-91
Authorization No.[b] N/A 4-25-91
Expiration Date[b] N/A 4-25-91

4. Identification of System 74, RHR ASME-CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 4-25-91
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-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 4-25-91
6(E). Other Identification (subassembly number, heat number, etc.)
N/A 4-25-91
6(F). Year Built 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
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 9/30/91
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A 4-25-91 psi Test Temperature N/A 4-25-91 °F
9. Remarks: None

(N/A) Applicable manufacturer's data report[e] to be attached. 4-25-91
Responsible Engr William A Lamb ~~4-25-91~~ MEA-NC Date 4-25-91
Organization 4-25-91

PAGE 354 OF 564 ANII Date 11-2-91

[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.

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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
Nuclear Power
Date 9-19-90
2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-68-199 10/1/91
3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A EB 9-19-90
P.O. Box 2000
Address
Authorization No.[b] N/A EB 9-19-90
SPRING CITY, TN
City and State
Expiration Date[b] 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-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 ☐[c] Replacement ☒[d]
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 ☒~~ 10/28/91
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~~ 10/28/91

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

ANII Date 11-5-91

[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

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

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

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-68-200

3. Work Performed by: TVA
Company
P.O. Box 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] N/A EB 9-19-90
Authorization No.[b] N/A EB 9-19-90
Expiration Date[b] 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-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 ☐[c] Replacement ☒[d]

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 EB 9-19-90 °F

9. Remarks: ~~* VIBRATION TEST # TI-103-68.01~~ DEP 10/28/91

(N/A) Applicable manufacturer's data report[e] to be attached.
EB 9-19-90

Responsible Engr [signature] IMEA-NC Date 9-19-90
Organization

ANII [signature] Date 11-5-91

[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

## SUMMARY REPORT-FORM NIS-2 ATTACHMENT

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

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

Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-68-201 10/1/91

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

Type Code Symbol Stamp[b] N/A EB 9-19-90
Authorization No.[b] N/A EB 9-19-90
Expiration Date[b] 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-W1981

6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 1068-1-68-334 / 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 ☐[c] Replacement ☒[d]

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)
(**) Installing 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 EB 9-19-90 °F

9. Remarks: ~~* VIBRATION TEST * TI 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

(N/A) Applicable manufacturer's data report[e] to be attached. EB 9-19-90

Responsible Engr E. Brannon / MEA-NC Date 9-19-90
Organization

ANII [signature] Date 11-5-91

[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 E
Page 1 of 1

[redacted] J.T. 9/30/91
[redacted] ~~PAGE~~ WORKPLAN

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 10/1/91
Report Tracking Number 91-68-~~202~~ 202 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 (Company) Type Code Symbol Stamp[2] NA J.T. 10/1/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

5. (A) Applicable Construction Code J.T. 10/9/91 ~~ASME SECTION III~~ AISC J.T. 10/9/91 ~~1971~~ 1973 Edition
THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 10/1/91

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-A465-8-80

6. (B) Name of manufacturer N/A J.T. 10/1/91
Address of manufacturer (if known) N/A J.T. 10/1/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/1/91

6. (D) National Board Number (if applicable) N/A J.T. 10/1/91

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

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

6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A J.T. 10/1/91

6. (H) ASME Code Stamped YES ~~[X]~~ NO [X] J.T. 10/1/91

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

8. Tests Conducted: ~~Hydrostatic [ ]~~ ~~Pneumatic [ ]~~ N/A J.T. 10/1/91
~~Nominal operating pressure [ ]~~ ~~Other [ ]~~ N/A J.T. 10/1/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/1/91

9. Remarks: WORKPLAN NO. K-K06031A-1
N/A J.T. 10/1/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/1/91

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

ANII B. Earnish Date 11/22/91

[1] Set nos. filled in by ISI programs [4] Replacement (Modification)
[2] Work performed by certificate holder [5] When required by Construction Code
[3] Replaced (like or equivalent)

WORKPLAN K-K06031A-1



1068-A465-8-84
1068-A465-8-85
1068-A465
1068-A465-8-83

WBN

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 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 (Company) Type Code Symbol Stamp[2] NA J.T. 10/1/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

5. (A) Applicable Construction Code J.T. 10/9/91 ~~ASME SECTION III~~ AISC J.T. 10/9/91 ~~1971~~ 1973 Edition
THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 10/1/91

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-A465-8-81

6. (B) Name of manufacturer N/A J.T. 10/1/91
Address of manufacturer (if known) N/A J.T. 10/1/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/1/91

6. (D) National Board Number (if applicable) N/A J.T. 10/1/91

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

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

6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A J.T. 10/1/91

6. (H) ASME Code Stamped YES [X] NO [X] J.T. 10/9/91

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

8. Tests Conducted: ~~Hydrostatic [ ]~~ ~~Pneumatic [ ]~~ N/A
~~Nominal operating pressure [ ]~~ ~~Other [ ]~~ N/A J.T. 10/1/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/1/91

9. Remarks: WORKPLAN NO. K-K06031A-1
N/A J.T. 10/1/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/1/91

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

ANII B. Earnest 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

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 by 10/1/91

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

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

3. Work performed by: TENNESSEE VALLEY AUTHORITY (Company) Type Code Symbol Stamp[2] NA J.T. 9/30/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

4. Identification of system PIPING SYSTEM (SYS. 068) & HANGERS J.T. 10/9/91

5. (A) Applicable Construction Code AISC J.T. 10/9/91 ~~ASME SECTION III~~ 1973 J.T. 10/9/91 ~~1971~~ Edition
THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 9/30/91

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-A465-8-86

6. (B) Name of manufacturer N/A J.T. 9/30/91
Address of manufacturer (if known) N/A J.T. 9/30/91

6. (C) Manufacturer's Serial Number N/A J.T. 9/30/91

6. (D) National Board Number (if applicable) N/A J.T. 9/30/91

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

6. (F) Year built N/A J.T. 9/30/91 Code Class 1 [ ] 2 [X]

6. ~~(G) Repaired [ ]~~ Replaced[3] [ ] Replacement[4] [ ] N/A J.T. 9/30/91

6. (H) ASME Code Stamped YES ~~[X]~~ NO [X] J.T. 10/1/91

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

8. Tests Conducted: ~~Hydrostatic [ ] Pneumatic [ ]~~ N/A J.T. 9/30/91
~~Nominal operating pressure [ ]~~ Other [ ] N/A J.T. 9/30/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 9/30/91

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

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

Prepared by J. Tash / MODS Date 10/1/91 J.T. 9/30/91
Organization

ANII B. Earnigh Date 11/22/91

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



1068-A465-8-88 1068-A465-8-87

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 91-68-209 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 (Company) Type Code Symbol Stamp[2] NA J.T. 10/1/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

4. Identification of system PIPING SYSTEM (STS-068) & HANGERS
J.T. 10/9/91 AISC J.T. 10/9/91 1973 J.T. 10/9/91

5. (A) Applicable Construction Code ~~ASME SECTION III~~ JUNE ~~1971~~ Edition
THROUGH Addenda ~~SUMMER~~ 1973 Code Case N/A J.T. 10/1/91

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. 10/1/91
Address of manufacturer (if known) N/A J.T. 10/1/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/1/91

6. (D) National Board Number (if applicable) N/A J.T. 10/1/91

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. 10/1/91 Code Class 1 [ ] 2 [X]

6. ~~(G) Repaired [ ]~~ Replaced[3] [ ] Replacement[4] [ ] N/A J.T. 10/1/91

6. (H) ASME Code Stamped YES [X] NO [X] J.T. 10/1/91

7. Brief description of repair or replacement work performed: PIPE SUPPORT MODIFICATION (REPLACED SHIM PL AND ADDED A NEW TS 4x4x1/2)
X-OUT EXISTING ID# AND REPLACE WITH A NEW ID#

8. Tests Conducted: ~~Hydrostatic [ ] Pneumatic [ ]~~ N/A J.T. 10/1/91
~~Nominal operating pressure [ ]~~ Other [ ] N/A J.T. 10/1/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/1/91

9. Remarks: WORKPLAN NO. K-K06031A-1
N/A J.T. 10/1/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/1/91

Prepared by J. Trash / MODS (Organization) Date 10/1/91

ANII B Eamigh 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

**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 AG 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 (Company) Type Code Symbol Stamp[2] NA J.T. 9/30/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

5. (A) Applicable Construction Code ~~ASME SECTION III~~ J.T. 10/9/91 AISC J.T. 10/9/91 ~~1971~~ 1973 J.T. 10/9/91 Edition
THROUGH JUNE ~~SUMMER~~ 1973 Addenda Code Case N/A J.T. 9/30/91

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-A465-8-94

6. (B) Name of manufacturer N/A J.T. 9/30/91
Address of manufacturer (if known) N/A J.T. 9/30/91

6. (C) Manufacturer's Serial Number N/A J.T. 9/30/91

6. (D) National Board Number (if applicable) N/A J.T. 9/30/91

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

6. (F) Year built N/A J.T. 9/30/91 Code Class 1 [ ] 2 [X]

6. ~~(G) Repaired [ ] Replaced[3] [ ] Replacement[4] [ ]~~ N/A J.T. 9/30/91

6. (H) ASME Code Stamped YES [ ] NO [X] J.T. 10/9/91

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

8. Tests Conducted: ~~Hydrostatic [ ] Pneumatic [ ]~~ N/A J.T. 9/30/91
~~Nominal operating pressure [ ] Other [ ]~~ N/A J.T. 9/30/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 9/30/91

9. Remarks: WORKPLAN NO. K-K06031A-1
N/A J.T. 9/30/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 9/30/91

Prepared by J. Trak / 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

WORKPLAN K-K06031A-1

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 91-68-211 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 (Company) Type Code Symbol Stamp[2] NA J.T. 10/1/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

5. (A) Applicable Construction Code J.T. 10/9/91 ~~ASME SECTION III~~ J.T. 10/9/91 AISC 1973 ~~1971~~ J.T. 10/9/91 Edition
THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 10/1/91

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. 10/1/91
Address of manufacturer (if known) N/A J.T. 10/1/91

6. (C) Manufacturer's Serial Number N/A J.T. 10/1/91

6. (D) National Board Number (if applicable) N/A J.T. 10/1/91

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. 10/1/91 Code Class 1 [ ] 2 [X]

6. ~~(G) Repaired [ ]~~ ~~Replaced[3] [ ]~~ ~~Replacement[4] [ ]~~ N/A

6. (H) ASME Code Stamped YES ~~[X]~~ NO [X] J.T. 10/9/91

7. Brief description of repair or replacement work performed: PIPE SUPPORT MODIFICATION (REPLACING ITEMS 3 & 4 WITH NEW MATERIAL TS 3x3x1/4 & TS 4x4x1/2 ALSO ADDED TOP PL 4x4x1/4)

8. Tests Conducted: ~~Hydrostatic [ ]~~ ~~Pneumatic [ ]~~ N/A J.T. 10/1/91
~~Nominal operating pressure [ ]~~ ~~Other [ ]~~ N/A J.T. 10/1/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/1/91

9. Remarks: WORKPLAN NO. K-K06031A-1
N/A J.T. 10/1/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/1/91

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

ANII B. Earnest 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 D
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 4/23/91

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] 1 of 1
Unit 1
Report Tracking No. 91-03-213 10/2/91

3. Work Performed by: TVA
Company
PO BOX 2000
Address
SPRING CITY, TN.
City and State
Type Code Symbol Stamp[b] N/A RLO 4/23/91
Authorization No.[b] N/A RLO 4/23/91
Expiration Date[b] N/A RLO 4/23/91

4. Identification of System 03 FEED WATER
5(A). Applicable Construction Code ~~ASME SECTION IX~~ 1980
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)
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 1/4" E OF A1; 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.# B4184-1D
6(F). Year Built 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
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[e] to be attached.
RLO 4/23/91
Responsible Engr Ronnie L. O'Kelley / MEA Date 4/23/91
Organization

ANII B. Earnest Date 1/10/92

[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.

WP KP04522A-1
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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
Nuclear Power
Date 4/23/91

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] ____ of ____
Unit 1
Report Tracking No. 91-03-214 10/2/91

3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A RLO 4/23/91
P.O. BOX 2000
Address
Authorization No.[b] N/A RLO 4/23/91
SPRING CITY, TENN.
City and State
Expiration Date[b] N/A RLO 4/23/91

4. Identification of System 03 FEED WATER LF. 3DK 1/6/92

5(A). Applicable Construction Code ~~ASME SECTION XI~~ AT 56 19~~80~~69
Edition ~~THROUGH 1981 WINTER~~ 7TH LF. 3DK 1/6/92 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-.35 PSA-1/4; TUBE STEEL, BP 2640-1.5 CLAMP FOR 2"ϕ PIPE; EL. 729'-6"; SOUTH VALVE ROOM

(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 ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☒ No ☐

7. Brief description of repair or replacement work performed.
THIS SUPPORT WAS DELETED BY WORK PLAN KP04522A-1

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: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.

RLO 4/23/91 Responsible Engr Ronnie L. O'Kelley / MEA Date 4/23/91
Organization

ANII ~~N/A BME 12/5/91~~ B Eamigh 12/7/95 BME 12/7/95 Date N/A BME 12/5/91

[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

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[a] 1 of 1
Unit 1
Report Tracking No. 91-03-215
Type Code Symbol Stamp[b] N/A RLO 4/23/91
Authorization No.[b] N/A RLO 4/23/91
Expiration Date[b] N/A RLO 4/23/91

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

4. Identification of System 03 FEED WATER
5(A). Applicable Construction Code ~~ASME SECTION XI~~ 19~~80~~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"ϕ 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 A500 GR. B HT.# (UNKNOWN)
6(F). Year Built N/A RLO 4/23/91
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☒ No ☐
7. Brief description of repair or replacement work performed.
THIS SUPPORT WAS DELETED BY WORK PLAN K-P04522A-1

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: NONE

(N/A RLO 4/23/91) Applicable manufacturer's data report[e] to be attached.
Responsible Engr Ronnie L. O'Kelley / MEA Date 4/23/91
Organization

PAGE 366 OF 369

ANII ~~N/A BME 12/5/91~~ BME 12/2/91 Date N/A BME 12/5/91

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

WP KP04522A-1

WORKPLAN K-P04588A-1

Page IX-22 OF IX-58

APPENDIX E
Page 1 of 1

**Summary Report**
**Form NIS-2 Attachment**

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 10-3-91
Report Tracking Number 91-062-218 10/4/91

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

Sheet 1 ___ of ___
Unit #1
WID No. K-P04588A-1

3. Work performed by: TVA
Company

P.O. BOX 2000
Address

SPRING CITY, TN
City and State

Type Code Symbol Stamp[2] NA (NA) 10-3-91
Authorization No.[2] NA (NA) 10-3-91
Expiration Date[2] NA (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 (NA) 10-3-91 Code Case N/A (NA) 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-154, 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 (NA) 10-3-91
6. (D) National Board Number (if applicable) NA (NA) 10-3-91
6. (E) Other identification (Subassembly number, heat number, etc.)
BP#2015 R/1-.7, 6202-.7, STRUT & CLAMP
6. (F) Year built 1990 Code Class 1 [ ] 2 [X]
6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]
6. (H) ASME Code Stamped YES [ ] NO [X]

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 [ ]
Pressure NA (NA) 10-3-91 psi Test Temperature NA (NA) 10-3-91 F

9. Remarks: SUPPORT COMPLETE AND DOCUMENTED

3-91 (NA) (NA) Applicable Manufacturer's Data Report[5] to be attached.
Prepared by [signature] / MOD Date 10-3-91
Organization

ANII [signature] Date 11-2-91

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

1-62A-154

VERIFIED FOR USE
DATE VERIFIED: 6-5-91
VERIFIED BY: Dennis E [illegible] signature
VFU COPY EXPIRES AFTER 6-14-91

MRA 418457
Page — of —

APPENDIX D
Page 1 of 1

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY — Date 5-14-91
   Nuclear Power
2. (Plant) Watts Bar Nuclear Plant
   P. O. Box 2000 — Sheet[a] ____ of ____
   Spring City, Tennessee — Unit 1
   Report Tracking No. 91-63-222
3. Work Performed by: TVA (WBNP) Type Code Symbol Stamp[b] N/A VBR 5/14/91
   Company
   P.O. Box 2000 ~~N/A VBR 5-14-91~~ VBR 5/14/91 Authorization No.[b] N/A VBR 5/14/91
   Address
   Spring City, TN ~~N/A VBR 5-14-91~~ VBR 5-30-91 Expiration Date[b] N/A VBR 5/14/91
   City and State
4. Identification of System 063 515
5(A). Applicable Construction Code ASME III ~~1971~~ VBR 5/30-91
   Edition 1974 Section III Addenda ~~Summer 1974~~ Winter 1975 bg
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 B8, Nuts 3/4" SS ASME SA194 Gr 8
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 ■[c] Replacement ~~■~~[d] VBR 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[e] to be attached.

Responsible Engr D Watts / MPS — Date 5/15/91
Organization

ANII [illegible] — Date 10/8/91

[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 E
Page 1 of 1

WORKPLAN K-K06034A-1

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Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 10/6/91
Report Tracking Number 91-68-223 DG 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) Type Code Symbol Stamp[2] NA J.T. 10/6/91
WATTS BAR NUCLEAR PLANT (Address) Authorization No.[2] N-1480-1
SPRING CITY, TENNESSEE (City and State) Expiration Date[2] AUG. 06, 1991

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

5. (A) Applicable Construction Code J.T. 10/15/91 AISC ~~ASME SECTION III~~ J.T. 10/15/91 1973 ~~1971~~ Edition THROUGH Addenda JUNE ~~SUMMER~~ 1973 Code Case N/A J.T. 10/6/91

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: 1068-1-68-449

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

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

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

6. (E) Other identification (Subassembly number, heat number, etc.) ~~DCA K06034A PGES 67~~ J.T. 10/6/91 DCA K06034-67, -68, -69, -70, -71

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

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

6. (H) ASME Code Stamped YES [X] NO [X] J.T. 10/15/91

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

8. Tests Conducted: ~~Hydrostatic [ ]~~ ~~Pneumatic [ ]~~ N/A J.T. 10/6/91
~~Nominal operating pressure [ ]~~ ~~Other [ ]~~ N/A J.T. 10/6/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/6/91

9. Remarks: WORKPLAN NO. K-K06034A-1
N/A J.T. 10/6/91

~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/6/91

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

* ANII ~~N/A BME 12/5/91~~ BME 4/8/96 Date ~~N/A BME 12/5/91~~ BME 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. Earnigh 4/8/96

APPENDIX E
Page 1 of 1

WORKPLAN K-K06034A-1
Page IX-~~12b~~ 11 OF IX-37
J.T. 10/8/91

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 10/6/91
Report Tracking Number 91-68-224 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 Type Code Symbol Stamp[2] NA J.T. 10/6/91
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 J.T. 10/15/91 AISC ~~ASME SECTION III~~ J.T. 10/15/91 1973 J.T. 10/15/91 ~~1971~~ Edition THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 10/6/91

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 I.D. 1068-1-68-392

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

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

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

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

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

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

6. (H) ASME Code Stamped YES ~~[X]~~ NO [X] J.T. 10/15/91

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

8. Tests Conducted: ~~Hydrostatic [ ] Pneumatic [ ]~~ N/A J.T. 10/6/91
~~Nominal operating pressure [ ] Other [ ]~~ N/A J.T. 10/6/91
Pressure _____ psi Test Temperature _____ F N/A J.T. 10/6/91

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

~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/6/91

Prepared by J. Tash / MODS Date 10/6/91
B. Earnest 4/8/96
Organization

ANII ~~N/A Bmc 10/5/91~~ Bmc 4/8/96 Date ~~N/A Bmc 10/5/91~~ Bmc 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

APPENDIX E
Page 1 of 1

WORKPLAN K-K06034A-1
Page IX-129 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 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 Type Code Symbol Stamp[2] NA J.T. 10/6/91
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 J.T. 10/15/91 AISC ~~ASME SECTION III~~ J.T. 10/15/91 1973 J.T. 10/15/91 ~~1971~~ Edition
THROUGH Addenda ~~SUMMER~~ JUNE 1973 Code Case N/A J.T. 10/6/91

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 ID. 1068-1-68-~~392~~ 413 J.T. 10/6/91

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

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

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

6. (E) Other identification (Subassembly number, heat number, etc.)
DCA K06034-63, -64, -65, -66

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

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

6. (H) ASME Code Stamped YES [X] NO [X] J.T. 10/15/91

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

8. Tests Conducted: ~~Hydrostatic [ ]~~ ~~Pneumatic [ ]~~ N/A J.T. 10/6/91
~~Nominal operating pressure [ ]~~ ~~Other [ ]~~ N/A J.T. 10/6/91
Pressure _____ psi ~~Test Temperature _____ F~~ N/A J.T. 10/6/91

9. Remarks: WORKPLAN NO. K-K06034A-1
N/A J.T. 10/6/91
~~( ) Applicable Manufacturer's Data Report[5] to be attached.~~ N/A J.T. 10/6/91

Prepared by J. Tarr / MEDS Date 10/6/91
Organization

* ANII ~~N/A BNE 12/5/91~~ BNE 4/8/96 Date ~~N/A BNE 12/5/91~~ BNE 4/8/96

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

* B. Eamigh 4/8/96

APPENDIX E
Page 1 of 1

WORKPLAN KP04612A-1

Summary Report
Form NIS-2 Attachment

Page IV-18A

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 10-3-91
Report Tracking Number V91-62-226 SB 10-3-91 ldj 10/10/91

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[2] N/A SB 10-2-91

P O BOX 2000
Address

Authorization No.[2] N/A SB 10-2-91

SPRING CITY TN
City and State

Expiration Date[2] N/A SB 10-2-91

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

5. (A) Applicable Construction Code AISC
JUNE 1973 Addenda N/A SB 10-2-91 Code Case N/A SB 10-3-91 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) 1062-62-1CVC-R257 2"X2"X3/8" L PIPE SUPPORT NO

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

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

6. (D) National Board Number (if applicable) N/A SB 10-2-91

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

6. (F) Year built 1990

6. (G) Repaired [ ] Code Class 1 [ ] 2 [X]
Replaced[3] [ ] Replacement[4] [X]

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

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

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

9. Remarks:

SB 10-2-91 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by STAN Kelley / MODS Date 10-2-91
Organization

ANII [signature] Date 2-1-92

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

APPENDIX E
Page 1 of 1

WORKPLAN KP04612A1
Page IX-36A

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

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

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

Sheet 1 of
Unit 1
WID No. KP04612A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A SB 10-2-91

P O BOX 2000
Address

Authorization No.[2] N/A SB 10-2-91

SPRING CITY TN
City and State

Expiration Date[2] N/A SB 10-2-91

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

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

6. (D) National Board Number (if applicable) N/A SB 10-3-91

6. (E) Other identification (Subassembly number, heat number, etc.) HT # 114200

6. (F) Year built 1990

6. (G) Repaired [ ] Code Class 1 [ ] 2 [X]
Replaced[3] [ ] Replacement[4] [X]

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

7. Brief description of repair or replacement work performed: INSTALLED SB 1-16-92
ITEM #3 (STRUCTURAL SHAPE SB 10/10/91)

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

9. Remarks:

SB 10-2-91 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by STAN KELLEY / MOD S Date 10-3-91
Organization

ANII [signature] Date 2-1-92

[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

**APPENDIX E**
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 SJ 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

Type Code Symbol Stamp[2] N/A SJ 10-2-91

P O BOX 2000
Address

Authorization No.[2] N/A SJ 10-2-91

SPRING CITY TN
City and State

Expiration Date[2] N/A SJ 10-2-91

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

5. (A) Applicable Construction Code AISC 1973 Edition
JUNE 1973 Addenda N/A SJ 10-2-91 Code Case
(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 1062-62-1CVC-R277 ITEM 8, 9 (8" 3"x3"x1/4") (9 TS 2"x2"x1/4")
6. (B) Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY, TN
6. (C) Manufacturer's Serial Number N/A SJ 10-4-91
6. (D) National Board Number (if applicable) N/A SJ 10-4-91
6. (E) Other identification (Subassembly number, heat number, etc.)
ITEM 8 TS 3"x3"x1/4" PO# A130520 HT#: K4575 ITEM 9 TS 2"x2"x1/4" PO# A128873 HT# T04343
6. (F) Year built 1990 Code Class 1 [ ] 2 [X]
6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]
6. (H) ASME Code Stamped YES [ ] NO [ ]

7. Brief description of repair or replacement work performed: REMOVED 1-8-92 SJ
3 & 4 INSTALLED ITEMS 2 & 8. (REMOVE ITEMS STRUCTURAL SHAPES SJ 10/10/91)
INSTALLED 1898

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]
Nominal operating pressure [ ] Other [ ]
Pressure N/A SJ 10-2-91 psi Test Temperature N/A SJ 10-2-91 F

9. Remarks: NONE

SJ 10-2-91 (N/A) Applicable Manufacturer's Data Report[5] to be attached.
Prepared by STAN KELLEY / MOOS Date 10-4-91
Organization

ANII [signature] Date 2-1-92.

[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

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 10/15/91

Sheet 1 of
Unit 1
WID No. K-P04704A1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 10/15/91

P.O. Box 2000
Address

Authorization No.[2] N/A 10/15/91

Spring City, Tn.
City and State

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 June 73 Addenda N/A 10/15/91 Code Case N/A 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) 1063-1-63-166 Stmt A2292° EL. 729'4½ 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 10/15/91

6. (D) National Board Number (if applicable) N/A 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 [X] 2 [ ]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]

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

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 10/15/91

(10/15/91) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by D.E. Powell / MOOS Date 10/15/91
Organization

ANII B. Earnigh Date 12/6/91

[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



1-63-171

474435-6-8

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 10/15/91

2. (Address) P.O. Box 2000
Spring City, Tn.
N/a 10/15/91

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

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/a 10/15/91

P.O. Box 2000
Address

Authorization No.[2] N/a 10/15/91

Spring City, Tn.
City and State

Expiration Date[2] N/a 10/15/91

4. Identification of system 63 SIS ASME Class 2 1½" Pipe

5. (A) Applicable Construction Code ANSC 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) 47A435-6-99 ∠TMT Az 355° EL. 729'3⅛" 1½" 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 10/15/91

6. (D) National Board Number (if applicable) N/a 10/15/91

6. (E) Other identification (Subassembly number, heat number, etc.) Tube Steel 2" Ht. T04343, Base Plate, Pipe Strap

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]

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

7. Brief description of repair or replacement work performed: Install Base Plate with ½" Anchor. Welded TS & Pipe Strap

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[5] to be attached.

Prepared by D.E. Powell / MOOS Date 10/15/91
Organization

ANII B. Eamigh Date 12/6/91

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 ~~P0470~~ 4A-1

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.
N/A 10/15/91

Sheet 1 ___ of ___
Unit 1
WID No. K-PO 4704A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 10/15/91

P.O. Box 2000
Address

Authorization No.[2] N/A 10/15/91

Spring City, Tn.
City and State

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 D.E.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 AZ 294.045, 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 2940 R12-.065, BP 6202-0.7 R1

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]

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

7. Brief description of repair or replacement work performed: Install BP Snubber 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 ) Applicable Manufacturer's Data Report[5] to be attached.
Prepared by D.E. Powell / MODS Date 10/15/91
Organization

ANII B. Earnigh Date 12/6/91

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-P 0470~~ 4A-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 10/15/91

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

Sheet 1 of
Unit 1
WID No. K-PO-4704A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/a QP 10/15/91

P.O. Box 2000
Address

Authorization No.[2] N/a QP 10/15/91

Spring City, TN.
City and State

Expiration Date[2] N/a QP 10/15/91

4. Identification of system 63 SIS, ASME Class 1

5. (A) Applicable Construction Code AISC June '73 Addenda N/a DEP 10/15/91 Code Case N/a DEP 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) 1063-A435-6-102 CTMT AZ 292° EL. 729'2" 3" Pipe BP Parts

6. (B) Name of manufacturer B.P.
Address of manufacturer (if known) N/a DEP 10/15/91

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 R/2 1.5 Snubber, BP 6202-1.5 R/3 Pipe Clamp

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]

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 QP 10/15/91

10/15/91 N/a QP Applicable Manufacturer's Data Report[5] to be attached.

Prepared by D.E. Powell / MODS Date 10/15/91
Organization

ANII B. Fannin Date 12/6/91

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

WORKPLAN KP04704A-1

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 91-233 10

2. (Address) P.O. Box 2000
Spring City Tn.
N/A 10/15/91

Sheet 1 ___ of ___
Unit 1
WID No. K-PD 4704A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 10

P.O. Box 2000
Address

Authorization No.[2] N/A 10/15/91

Spring City, TN.
City and State

Expiration Date[2] N/A 10/15/91

4. Identification of system 63 SIS ASME Class 2 (3" Pipe

5. (A) Applicable Construction Code ASC 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 735'5"

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
N/A 10/15/91

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

6. (G) Repaired [ ] Replaced[3] [X] Replacement[4] [ ]

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

7. Brief description of repair or replacement work performed: Support
Deleted by Cutting from W8 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[5] to be attached.

Prepared by D.E. Powell / MODS Date 10/15/91
Organization

* ANII ~~N/A BME 12/6/91~~ BME 4/8/96 Date ~~N/A BME 12/6/91~~ BME 4/8/

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. Earnigh 4/8/96

WORKPLAN KP04704
Page IX-156 of IX-31

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 10/15/91

2. (Address) P.O. Box 2000
Spring City, TN.
N/A 10/15/91

Sheet 1 of
Unit 1
WID No. KP04704A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 10/15/91

P.O. Box 2000
Address

Authorization No.[2] N/A 10/15/91

Spring City, TN.
City and State

Expiration Date[2] N/A 10/15/91

4. Identification of system 63 SIS ASME Class 2

5. (A) Applicable Construction Code AISC June '73 Addenda N/A 10/15/91 Code Case N/A 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) BP 2410.35, 3" TS, AZ 293.32 EL. 723'8" - Reactor Bldg.

6. (B) Name of manufacturer BP

Address of manufacturer (if known) N/A 10/15/91

6. (C) Manufacturer's Serial Number SN-453D

6. (D) National Board Number (if applicable) N/A 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[3] [ ] Replacement[4] [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 10/15/91

N/A 10/15/91 Applicable Manufacturer's Data Report[5] to be attached.

Prepared by D.E. Powell / MODS Date 10/15/91
Organization

ANII B. Earnigh Date 12/6/91

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

Replaced (like or equivalent)

APPENDIX E
Page 1 of 1

**Summary Report**
**Form NIS-2 Attachment**

1. (Owner) Tennessee Valley Authority
Nuclear Power
Date 10/15/91
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-P04704A-1

3. Work performed by: TVA Type Code Symbol Stamp[2] ___
Company
P.O Box 2000 Authorization No.[2] ___
Address
Spring City, Tn. Expiration Date[2] ___
City and State

4. Identification of system SIS - 63 Class A

5. (A) Applicable Construction Code AISC 1973 Edition
June '73 Addenda N/A 10/15/93 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 Ht# 254905, Support ID ~~47A435-10-9~~ 10/15/91 1063-1-63-160
6. (F) Year built 1990 Code Class 1 [X] 2 [ ]
6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [X]
6. (H) ASME Code Stamped YES [ ] NO [X]

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
N/A 10/15/91

9. Remarks: ___
10/15/91 Applicable Manufacturer's Data Report [5] to be attached.
Prepared by D.E. Powell / MODS Date 10/15/91
Organization
ANII B. Earnest Date 12/6/91

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 KP04704A-1

APPENDIX E
Page 1 of 1
SUMMARY REPORT
FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

Date 10-22-91
Report Tracking No. 91-236 10/22

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

Sheet[a] ____ of ____
Unit 1
WID No. 1062-A406-1-2

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

Type Code Symbol Stamp[b] N/A 10-22-91
Authorization No.[b] N-1480-1
Expiration Date[b] AUG. 6, 1991

4. Identification of system C2 CVCS ASME CLASS 2 (3" Ø PIPE)
5.(A) Applicable Construction Code ASME SECTION III 1971
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 47A406-1-2 LUGS INTEGRAL ATTACHMENT TO PIPE, AUX BLDG, COL U+SA, ELEV. 701'-0".
6.(B) Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY, TENN.
6.(C) Manufacturer's Serial Number N/A 10-22-91
6.(D) National Board Number (if applicable) N/A 10-22-91
6.(E) Other identification (Subassembly number, heat number, etc.) LUGS 3/8" x 1 1/2" x 1 1/2" EXISTING (4), SA376/TP304
6.(F) Year built 1990 Code Class 1 ___ 2 ✓
6.(G) Repaired ____ Replaced[c] ____ Replacement[d] ✓
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 KP04601A-1
8. Tests Conducted: Hydrostatic ____ Pneumatic ____
Nominal operating pressure ____ Other ____
Pressure N/A psi Test Temperature N/A F
9. Remarks
N/A 10-22-91 10-22-91
N/A 10-18-91

N/A Applicable Manufacturer's Data Report[e] to be attached.

Responsible Engr Bruce Neal / MOD Date 10-22-91
Organization
ANII B. Earnigh Date 10/22/91

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 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[a] 1 of 1
Unit 1
Report Tracking No. 91-240 11/15/91
Type Code Symbol Stamp[b] N/A EB 12-13-90
Authorization No.[b] N/A EB 12-13-90
Expiration Date[b] N/A EB 12-13-90

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

4. Identification of System 63 (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-W1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 63-1SIS-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 NA 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 ☐[c] Replacement ☒[d]
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) 11/15/91 (AND RELOCATED LUGS) 11/15/91
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ *Other ☒
Pressure N/A EB 12-13-90 psi Test Temperature N/A EB 12-13-90 °F
* VIBRATION TEST.
9. Remarks:
N/A 11-13-91

(N/A) EB 12-13-90 Applicable manufacturer's data report[e] to be attached.
Responsible Engr E. Brannon / MEA-NC Date 12-13-90
Organization

ANII [illegible] Date 1/31/92

[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

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[a] 1 of 1
Unit 1
Report Tracking No. 91-241 11/15/91
Type Code Symbol Stamp[b] N/A EB 12-13-90
Authorization No.[b] N/A EB 12-13-90
Expiration Date[b] N/A EB 12-13-90

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

4. Identification of System 63 (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-W1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 1063-63-1515-R86 / AUX. EL. 699'-0", 2'-3" E. OF A5, 2'-5 7/8" N. OF U. (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 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 ☐[c] Replacement ☒[d]
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) 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: ~~NA~~ 11-13-91

(N/A) Applicable manufacturer's data report[e] to be attached.
EB 12-13-90
Responsible Engr E. Bunnan / MEA-NC Date 12-13-90
Organization

ANII [signature] Date 1/31/92

[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 E
Page 1 of 1

WORKPLAN K-P04700A-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-P04700A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] NA JR 10-6-91

P.O. BOX 2000
Address

Authorization No.[2] NA JR 10-6-91

SPRING CITY, TN.
City and State

Expiration Date[2] NA JR 10-6-91

4. Identification of system 063 SAFETY INJECTION SYSTEM.

5. (A) Applicable Construction Code AISC, 7TH 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# H-63-470
PIPE SIZE 2"Ø, EL. 728'-2½", 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 STELL
HT# 704343

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [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 [5] 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



INFORMATION

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 1/15/91
Unit 1
Sheet[a] 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[b] N/A SC 1-15-92
Authorization No.[b] N/A SC 1-15-92
Expiration Date[b] 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 AUXILLARY Building. Support #1062-62-1LCV-R44 SC 1-20-92

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 19 N/A SC 1-15-92 Code Class [ ] 1 [X] 2

6.(G) [ ] Repaired [X] Replaced[c] [ ] Replacement[d]

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 DCA. P04623-34 SC 1-20-92

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[e]. [ ] Yes [X] None Required

Responsible Engr Stanley Cockrell / MODS Date 1-15-92
Organization

ANII [signature] 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



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Page IX-72A

APPENDIX G
Page 1 of 1
SUMMARY REPORT

Workplan K-P05595A-1
Page IX-10

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-P05595A-1
Date 1-15-92
Report Tracking No. ~~92-253~~ 92-001
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 1-15-92
Authorization No.[b] NA SRD 1-15-92
Expiration Date[b] NA SRD 1-15-92

4. Identification of system ICE CONDENSER (061)
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 # 1061-A462-8-3 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 6.(A)
6.(F) Year built 19 NA SRD 1-15-92 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 SUPPORT # 1061-A462-8-3 IS DELETED PER DCN P-05595-B
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other SRD 1-15-92
Test Pressure NA SRD 1-15-92 psi Temperature NA F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92
Organization

ANII * ~~N/A BME 2/22/92~~ BME 4/8/96 Date ~~N/A BME 2/22/92~~ BME 4/8/96

[a] Nos. filled in by ISI programs.
[b] [illegible] work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

* B. Earnigh 4/8/96

APPENDIX G
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SUMMARY REPORT

Workplan K-P05595A-1
Page IX-18

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-P05595A-1
Date 1-15-92
Report Tracking No. ~~91-254~~ 92-002
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 1-15-92
Authorization No.[b] NA SRD 1-15-92
Expiration Date[b] 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) 6" 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT MODIFIED TO REMOVE CLAMP (PIPE) AND STANCHIONS PER DCN P-05595A, DCA-P05595-01-0
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 1-15-92 psi Temperature NA SRD 1-15-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Scotty Dicken / MECH. MODS Date 1-15-92
Organization

ANII B. Earnsh Date 2/22/92

[a] Sheet Nos. filled in by ISI programs.
[b] Code work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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SUMMARY REPORT

Workplan K-P05595A-1
Page IX-34

FORM NIS-2 ATTACHMENT

WID No. K-P05595A-1
Date 1-15-92 LGJ 1/16/92
Report Tracking No. 92-003
Unit 1
Sheet[a] 1 of 1

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. 2000
Address
SPRING CITY, TN.
City and State

Type Code Symbol Stamp[b] NA SRD 1-15-92
Authorization No.[b] NA SRD 1-15-92
Expiration Date[b] NA SRD 1-15-92

4. Identification of system ICE CONDENSER (061)
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) 6" PIPE SUPPORT # 1061-A462-8-11 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT # 1061-A462-8-11 MODIFIED TO REMOVE 3"X3" TS MEMBER. INSTALL NEW 3"X3" TS MEMBER TO OBTAIN PROPER CLAMP TO SUPPORT GAP PER DCN-P05595A. DCA SRD 1-15-92
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other SRD 1-15-92
Test Pressure NA SRD 1-15-92 psi Temperature NA F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Scotty Dicken / MECH. MODS Date 1-15-92
Organization

ANII B. Eavenson Date 2/22/92

[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

APPENDIX G
Page 1 of 1
SUMMARY REPORT

Workplan K-P05595A-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

WID No. K-P05595A-1
Date 1-15-92 SGJ 1/16/92
Report Tracking No. 92-004
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 1-15-92
Authorization No.[b] NA SRD 1-15-92
Expiration Date[b] NA SRD 1-15-92

4. Identification of system ICE CONDENSER (0601)
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 # 1061-A462-8-13 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT # 1061-A462-8-13 MODIFIED TO ADD SPACER PLATES PER DCN P-056016-A, DCA-P056016-04-0.
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other SRD 1-15-92
Test Pressure NA SRD 1-15-92 psi Temperature N/A F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92
Organization

ANII B. Earnigh Date 2/22/92

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

APPENDIX G
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SUMMARY REPORT

Workplan K-P05595A-1
Page IX-69

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-P05595A-1
Date 1-15-92
Report Tracking No. 92-005 1/16/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 1-15-92
Authorization No.[b] NA SRD 1-15-92
Expiration Date[b] 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 6.(A).
(F) Year built 19 NA SRD 1-15-92 Code Class [ ] 1 [ ] 2
(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed SUPPORT #1061-A462-8-35 IS DELETED PER DCN P-056016-B.
Tests Conducted: [ ] 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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 1-15-92
Organization
ANII ~~N/A BNE 2/22/92~~ B Eamright 12/7/95 Date ~~N/A BNE 2/22/92~~ BNE 12/7/95

[a] filled in by ISI programs.
[b] performed by certificate holder
[c] (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. E 6429-9
Date 1-20-92
Report Tracking No. 92-006 1/21/92

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

Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A AC 1-20-92
Authorization No.[b] N/A AC 1-20-92
Expiration Date[b] N/A AC 1-20-92

4. Identification of system UPPER HEAD INJECTION SYSTEM. PEN X108 & X109

5.(A) Applicable Construction Code ASME SECTION III 19 71
Edition THROUGH Addenda SUMMER 1973 Code Case N/A AC 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/N FLANGE 1501b, 12" R/F BLIND FLANGE 1501b, PLATE SA240 TYPE 304. TVA CLASS 13.

6.(B) Name of manufacturer DRAVO CORP
Address of manufacturer (if known) N/A AC 1-20-92

6.(C) Manufacturer's Serial Number N/A AC 1-20-92

6.(D) National Board Number (if applicable) N/A AC 1-20-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6 (A)

6.(F) Year built 19 N/A AC 1-20-92 Code Class [ ] 1 [X] 2

6.(G) [X] Repaired [ ] Replaced[c] [ ] Replacement[d]

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. ~~EAC~~ ECN 6429 AC 1-20-92

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A AC 1-20-92 psi Temperature N/A AC 1-20-92 F

9. Remarks LEAK RATE TEST FOR CONTAINMENT VESSEL to BE PERFORMED UNDER PRE-START TEST PLAN

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Stanley Cahell / MECH / MODS Date 1-20-92
Organization

ANII [signature] Date 1-24-92

Sheet Nos. filled in by ISI programs.
For work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN E6429-9

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. E6476-3- -
Date 5-20-92
Report Tracking No. 92-007
Unit 1
Sheet[a] 1 of 1

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
POB 2000
Address
Spring City, TN
City and State

Type Code Symbol Stamp[b]
Authorization No.[b] N/A
Expiration Date[b]

Identification of system 15-SGBD/63 SIS 4"Ø 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[c] [ ] Replacement[d]

(K) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed N-VT-2 FOR REPAIR OF REMOVAL ~~ADDL~~ & ~~WELDS~~ 97A400-6-69-1 thru 3, 8.

Tests Conducted: ~~[ ] Hydrostatic~~ [ ] Pneumatic
[ ] Nominal operating ~~pressure~~ NONE [ ] Other
Test Pressure _____ psi Temperature _____ F

Remarks REPAIR AND WELD DATA SHEETS WERE TRANSFERED FROM PACKAGE E-6476-2 ~~WHERE~~ WORK WAS PERFORMED. ALL DATA SHEETS REFLECT ASME XI WORK, AND ~~ARE~~ ENCLOSED IN PACKAGE E6476-3.

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required
NA

Responsible Engr CRBrumley / MODS. Date 5-~~18~~ 20-92
Organization
CRB 5-20-92

ASME [signature] Date 5/31/92

[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



WORKPLAN E6476.3

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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. K-P05595A-1
Date 1-23-92
Report Tracking No. 92-008
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRP 1-23-92
Authorization No.[b] NA SRP 1-23-92
Expiration Date[b] 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 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 #1061-A462-8-85 INSTALLED IN THE CONTAINMENT BUILDING.
6.(B) 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed NEW SUPPORT #1061-A462-8-85 INSTALLED PER DCN-P05595-B & DCN F-10515-A
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[e]. [ ] Yes [X] None Required

Responsible Engr Scotty Dickey / MECH-MODS Date 1-23-92
Organization

ANII B. Earnigh Date 2/22/92

[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

WORKPLAN K-P05595A-1

APPENDIX G
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SUMMARY REPORT

Page IX-186a

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-P05595A-1
Date 1-23-92
Report Tracking No. 92-009 1/23/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 1-23-92
Authorization No.[b] NA SRD 1-23-92
Expiration Date[b] 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-A462-8-86 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed NEW SUPPORT # 10601-A462-8-86 INSTALLED PER DCN P05595-A
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[e]. [ ] Yes [X] None Required

Responsible Engr Scott Dicken / SCOTT DICKEN / MECH. MODS Date 1-23-92
Organization

ANII B Eamigh Date 2/22/92

[a] Sht. Nos. filled in by ISI programs.
[b] 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. E6476-3
Date 5-20-92
Report Tracking No. 92-010
Unit 1
Sheet[a] 1 of 1

3. Work performed by TVA
Company
PO B 2000
Address
SPRING CITY, TN
City and State

Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A
Expiration Date[b] N/A

4. Identification of system 15-SGBD/63 SIS, 4" Ø PIPE, ASME II.

5.(A) Applicable Construction Code ASC 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[c] [ ] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed WELDS 47A400-6-71-1&2 WERE PERFORMED

8. Tests Conducted: ~~[ ] Hydrostatic~~ [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure ____ psi Temperature ____ F
NONE

9. Remarks WELD DATA SHEETS WERE TRANSFERED FROM PACKAGE E-6476-2 WHERE WORK WAS PERFORMED. ALL DATA SHEETS REFLECT ASME XI WORK, AND ARE ENCLOSED IN PACKAGE E6476-3

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required
NA

Responsible Engr CRBrumley / MODS, Date 5-20-92
Organization

ANII [signature] Date 5-31-92

[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



PROGRAM PLAN E6476-3

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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. E6476-3
Date 5-20-92
Report Tracking No. 92-111
Unit 1
Sheet[a] 1 of 1

011 12/3/92

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

Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A
Expiration Date[b] N/A

4. Identification of system 15 SGBD / 63 S/S, 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.) N/A
6.(F) Year built 1990 Code Class [ ] 1 [X] 2
6.(G) [X] Repaired [ ] Replaced[c] [X] Replacement[d]
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 TRANSFERED FROM PACKAGE E6476-2 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[e]. [ ] Yes [X] None Required

Responsible Engr CRBrumley / MODS Date 5-20-92
Organization

ANII [signature] Date 5/31/92

[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



WORKPLAN E6476-3

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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 1/27/92
Unit 1
Sheet[a] ____ 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[b] N/A 1/27/92
Authorization No.[b] N/A 1/27/92
Expiration Date[b] N/A 1/27/92

4. Identification of system 68 - REACTOR COOLANT
5.(A) Applicable Construction Code AISC - 7TH EDITION 19 N/A 1/27/92
Edition NA 1/27/92 Addenda NA 1/27/92 Code Case NA 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) 1-68-026 (COMPONENT SUPPORT)

6.(B) Name of manufacturer TVA - 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 19 85 Code Class [ ] 1 [X] 2
6.(G) [X] Repaired [ ] Replaced[c] [ ] Replacement[d]
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 1/27/92
Test Pressure ____ psi ~~Temperature~~ ____ F
9. Remarks

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr K W Miller / MAINTENANCE Date 1/27/92
Organization
ANII [signature] Date 1-27-92

[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

COPY

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. K-K05791A-1
Date 1-29-92
Report Tracking No. 92-013 1/30/92
Unit 1
Sheet[a] ____ of ____

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

(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[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

XI CO 2-4-92

1. Identification of system 68, 2"Φ PIPE, ASME CLASS-1, TVA CLASS-A
3.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A SMD 1-29-92 Code Case N/A SMD 1-29-92
3.(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: 1-68-347, REACTOR BLDG. AZ-137°-13', FL. EL. 702'-9"
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

6.(F) Year built 1990 Code Class [✓] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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
Test Pressure ____ psi Temperature ____ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr Sundaram Dakl / MODS Date 1-29-92
Organization

ANII ~~N/A Charles R. Dorsch QE~~ Date ~~2-4-92~~ N/A BNE 12/7/95
B. Earnsh 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

WORKPLAN K-K05791A-1

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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 1/30/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 2Φ 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: 1-68-349, REACTOR BLDG FL.EL. 702'-9", AZ 137°-13'
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[c] [✓] Replacement[d]
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[e]. [ ] Yes [✓] None Required

Responsible Engr Sundar M. Dakl / MODS Date 1-29-92
Organization
ANII NA ~~Charles K. Gynch, QE~~ Date ~~2-4-92~~ Bone 12/7/95
B Earnigh 12/7/95

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN K-K05791A-1

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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. 92-015 1/30/92
Unit 1
Sheet[a] ____ 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[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 2" Φ 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. EL. EL 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
6.(F) Year built 1990 Code Class [✓] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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[e]. [ ] Yes [ ] None Required

Responsible Engr Sundar M. Dalal / MCDS Date 1-29-92
Organization
ANII ~~NA Charles K. Ofrede QE~~ Date ~~2-4-92~~ 12/7/95
B Earnigh 12/7/95

[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

WORKPLAN K-K05791A-1

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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. 92-016 1/30/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 2" ϕ 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: 1-68-351, REACTOR BLDG. EL. 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
6.(F) Year built 1990 Code Class [✓] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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[e]. [ ] Yes [ ] None Required

Responsible Engr Sunder M. Dalal MEDS Date 1-29-92
Organization

ANII ~~NA Charles K. Dinesh QC~~ Date ~~2-4-92~~ B Eamon 12/7/95 12/7/95

[a] Sheet Nos. filled in by ISI programs.
[b] work performed by certificate holder
[c] aced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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 1/30/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 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 [✓] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal / MODS Date 1-29-92
Organization

ANII ~~NA Charles K. Dimeck OE~~ Date ~~2-4-92~~ BME 12/7/95
B Earnigh 12/7/95

Nos. filled in by ISI programs.
[c] 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. K-K05791A-1
Date 1-29-92
Report Tracking No. 92-018 1/30/92
Unit 1
Sheet[a] ____ 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[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 2" Φ 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: 47A465-1-30B, 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[c] [✓] Replacement[d]

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[e]. [ ] Yes [ ] None Required

Responsible Engr Sunder M. Dalal / MODS Date 1-29-92
Organization

ANII ~~NA Charles K. Dreck~~ Date ~~2-4-92~~ BME 12/7/95
B Earnest 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

WORKPLAN K-K05791A-1

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. K-K05791A-1
Date 1-29-92
Report Tracking No. 92-019 1/30/92
Unit 1
Sheet[a] ____ of ____

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

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

4. Identification of system 68. 2"Ø PIPE, ASME CLASS-2. 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: 1-68-378, 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

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

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dabli MGDS Date 1-29-92
Organization

ANII NA Charles L. Smith QC Date 2-4-92
B Earnigh 12/7/95

[a] Sheet Nos. filled in by QSI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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. 92-020 11/30/92
Unit 1
Sheet[a] ____ 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[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 1-29-92

4. Identification of system 68, 2"Ø 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. 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.(a) 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[c] [✓] Replacement[d]
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[e]. [ ] Yes [✓] None Required

Responsible Engr Sandra M. Dakil MODS Date 1-29-92
Organization
ANII ~~NA Charles R. Dombek, QE~~ Date ~~2-4-92~~ Boyle 12/7/95
B Earnest 12/7/95

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN K-K05791A-1

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. K-P056360A-1
Date 1-29-92
Report Tracking No. 92-023 2/4 1/30/92
Unit 1
Sheet[a] 1 of 1

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

(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[b] N/A 1-29-92
Authorization No.[b] N/A 1-29-92
Expiration Date[b] N/A 1-29-92

Identification of system 6" Φ PIPE, ASME CLASS 2, SYS. 3

(A) 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

(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 47A401-7-39, SOUTH VALVE ROOM, EL. 737'-0", 8'-7 1/4" WEST OF 0°, 6'-7 3/16" SOUTH OF 90°

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

(C) Manufacturer's Serial Number B.P. 6101-6" Φ PIPE CLAMP ASSEMBLY

(D) National Board Number (if applicable) N/A J.T. 1-29-92

(E) Other identification (Subassembly number, heat number, etc.) NONE

(F) Year built 19____ Code Class [ ] 1 [X] 2

(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

(H) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed ~~NONE~~ J.T. 1-29-92 INSTALLED NEW PIPE SUPPORT PER DCA P04528-69-0

~~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[e]. [ ] Yes [X] None Required

Responsible Engr J. Tuck / MECH. MODES Date 1-29-92
Organization

ANII B. Earnigh Date 3/5/92

Nos. filled in by ISI programs.
rk performed by certificate holder
Replaced (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code

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47A401-7-30
1-03A-427
1-03A-423

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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-P056636A-1
Date 11-23-92
Report Tracking No. 92-023 11/30/92
024 11/30/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A
Authorization No.[b] J.T. 1-23-92
Expiration Date[b]

Identification of system 6"Φ PIPE, ASME CLASS 2, SYS. 3

(A) Applicable Construction Code ASME 1973
Edition JUNE 1973 Addenda N/A J.T. 1-23-92 Code Case N/A 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, 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. SNUBBER)

(D) National Board Number (if applicable) N/A J.T. 1-23-92

(E) Other identification (Subassembly number, heat number, etc.) NONE

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

(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

(H) ASME Code Stamped [ ] Yes [X] 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 N/A [ ] 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 P056636-91-0 MODES PIPE SUPT. 1-03A-423
N/A J.T. 1-23-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS. Date 1-23-92
Organization

ANII ~~N/A Charles K. Dorsey QE~~ Date ~~2-20-92~~ ANE 4/8/96
B Earnigh 4/8/96

[a] [illegible] 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



1-03A-423
47A401-7-30
47A060-3-45

APPENDIX G
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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-P056636A-1
Date 1-29-92
Report Tracking No. 92-025 1/30/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A J.T. 1-29-92
Authorization No.[b]
Expiration Date[b]

Identification of system 6" PIPE, ASME CLASS 2, SYS. 3
(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
(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-427, NORTH VALVE ROOM, EL. 733', 12' NORTH OF SHIELD WALL & 15' WEST OF ℄ CONTMT.
Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY, TN
(C) Manufacturer's Serial Number PART 2540-6 LESS STRUT (W/PSA-3)
(D) National Board Number (if applicable) N/A J.T. 1-29-92
(E) Other identification (Subassembly number, heat number, etc.) NONE
(F) Year built 1990 Code Class [ ] 1 [X] 2
(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(H) ASME Code Stamped [ ] Yes [ ] No
Brief description of repair or replacement work performed THIS PIPE SUPPORT HAS BEEN REMOVED AND VOIDED.
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A psi Temperature F
Remarks N/A J.T. 1-29-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS. Date 1-29-92
Organization
ANII ~~NA Charles R. Smith QE~~ Date ~~2-20-92~~ BMS 4/8/96
B. Eamon 4/8/96

Nos. filled in by ISI programs.
rk performed by certificate holder
Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN K-P056636A-1
Page IX-105



47A060-3-45

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. K-P056636A-1
Date 1-29-92
Report Tracking No. 92-026 1/30/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 1-29-92
Authorization No.[b] N/A J.T. 1-29-92
Expiration Date[b]

4. Identification of system 4"Φ PIPE, ASME CLASS 2, SYS. 3

5.(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

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 47A060-3-45, RB11 EL. 727'-3" AZ 143° 44'.

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

6.(C) Manufacturer's Serial Number N/A J.T. 1-29-92

6.(D) National Board Number (if applicable) N/A J.T. 1-29-92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

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

6.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed THIS SUPPORT REPLACED SUPPORT ID. 47A427-5-21 IN WORKPLAN K-P056636A-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure _____ psi Temperature _____ F N/A J.T. 1-29-92

9. Remarks WORKPLAN K-P056636A-1 REMOVED PIPE SUPPORT 47A060-3-45. 47A427-5-21 AND REPLACED IT BY PIPE SUPPORT 47A060-3-45. THIS SUPPORT WAS INSTALLED BY DCA P-05636A & FDCN F-09381-A THRU F-09381-I.

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Trash, MECH. MODS Date 1-29-92
Organization

ANII B. Earnigh Date 3/5/92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN K-P056636A-1

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474401-7-30

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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 2/24/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A J.T. 2-22-92
Expiration Date[b]

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-ICS-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 J.T. 2-22-92

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

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1990 Code Class [ ] 1 [X] 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 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, WP. K-P05600A-1
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr T. Tash, MECH. MODS. Date 2-22-92
Organization

ANII S. B. [signature] Date 4-13-92

[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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Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. WP. K P05600A-1
Date 2-22-92
Report Tracking No. 92-029 AO 2/24/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] 2-22-92
Authorization No.[b]
Expiration Date[b] N/A J.T.

4. Identification of system 3"Ø ASME CL. 2 PIPING (TVA CL. B), STS. 072
5.(A) Applicable Construction Code AISC 1973 N/A J.T. 2-22-92
Edition JUNE 1973 Addenda Code Case
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", EL. 708'-0", AUX. BLDG.
6.(B) Name of manufacturer TVA
Address of manufacturer (if known) ~~1990~~ SPRING CITY, TN. J.T. 2-22-92
6.(C) Manufacturer's Serial Number N/A J.T. 2-22-92
6.(D) National Board Number (if applicable)
6.(E) Other identification (Subassembly number, heat number, etc.) NONE
6.(F) Year built 1990 Code Class [ ] 1 [X] 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 SUPPORT HAS BEEN MODIFIED BY REMOVING W4X13.
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure psi Temperature °F N/A J.T. 2-22-92
9. Remarks
DCA P05600-03-0 MODIFIES THIS SUPPORT, W.P. K-P05600A-1
Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr T. Tash, MECH. MODS. Date 2-22-92
Organization

ANII S. B. Heath Date 4-13-92

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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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. WP. KP05600A-1
Date 2-22-92
Report Tracking No. 92-030
Unit 1
Sheet[a] 1 of 1

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b]
Authorization No.[b]
Expiration Date[b]

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

4. Identification of system 3" 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 1078-A454-1-204, 6'-2 1/4 NORTH OF "U", 4'-0" EAST OF "A3", EL. 708'-0", 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 19____ Code Class [ ] 1 [X] 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 INSTALLING A NEW PIPE SUPPORT (1078-A454-1-204), PER DCA P05600-04-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure ____ psi Temperature ____ F N/A J.T. 2-22-92

9. Remarks THIS IS A NEW PIPE SUPPORT BUILT PER DCA No. P05600-04-0 & DCN F-13178A.
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS Date 2-22-92
Organization

ANII S. B. Hatter Date 4-13-92

[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

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. W.P. K P05600A-1
Date 2-22-92
Report Tracking No. 92-031 MO 2/24/92
Unit 1
Sheet[a] 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[b] 2-22-92
Authorization No.[b] 2-22-92
Expiration Date[b] N/A J.T.

4. Identification of system 10" 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-A437-5-2, AZ 304°, RAD. 61'-0", EL. 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 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[c] [X] Replacement[d]

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 N/A J.T. 2-22-92

9. Remarks DCA NO. P05602-01-0 & DCN F-10832-C MODIFIES THIS SUPPORT, W.P. K-P05600A-1
N/A
J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr T. Tash, MECH. MODS. Date 2-22-92
Organization

ANII S.B. Hale Date 4-13-92

[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

WORKPLAN K-P05600A-1
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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. W. P. KP05600A-1
Date 2-22-92
Report Tracking No. 92-032 2/24/92
Unit 1
Sheet[a] 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[b] N/A
Authorization No.[b] N/A
Expiration Date[b] N/A

4. Identification of system 10"Φ ASME CL. 2 PIPING (TVA CL. B.), STS. 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-A437-5-7, AZ 304°, RAD. 55'-0 11/16", EL. 843'-3 5/8", RB1

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 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[c] [X] Replacement[d]

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 _____ F N/A J.T. 2-22-92

9. Remarks DCA P05602-02-0 REMOVES AND DELETE THIS SUPPORT, WP. KP05600A-1.
N/A
J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash / MECH. MODS. Date 2-22-92

ANII ~~NA Chuck Dorsch QE~~ Organization Date ~~2-18-92~~ N/A B.M.E. 12/7/95
B Earnest 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

WORKPLAN K-P05600A-1
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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. K-P05600A-1
Date 2-22-92
Report Tracking No. 92-033 2/24/92
Unit 1
Sheet[a] 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[b] N/A
Authorization No.[b] N/A 2-22
Expiration Date[b] N/A

4. Identification of system 14"Ø 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 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[c] [X] Replacement[d]

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 W6X25 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
JT 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr T. Tash / MECH. MODS. Date 2-22-92
Organization

ANII S.B. Heater Date 4-13-92

[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



WORKPLAN K-P05600A-1

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APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. W.P. K P05600A-1
Date 2-22-92
Report Tracking No. 92-034
Unit 1
Sheet[a] 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[b]
Authorization No.[b]
Expiration Date[b]
N/A J.T. 2-22-92

4. Identification of system 5"Ø ASME CL. 2 PIPING (TVA CL. "B"); SYS. 072

5.(A) Applicable Construction Code ASC. 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-A060-72-23, 7'-7 3/4" NORTH OF "U", 1'-8 1/4" WEST OF "AS", EL. 669'-10", 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 1990 Code Class [ ] 1 [X] 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 PIPE SUPPORT HAS BEEN REMOVED AND VOIDED.

8. ~~Tests Conducted:~~ [ ] Hydrostatic [ ] Pneumatic
[ ] ~~Nominal operating pressure~~ [ ] Other
Test Pressure _____ psi Temperature _____ F N/A J.T. 2-22-92

9. Remarks DCA P056020-55-0 AND DCN F-11566A REMOVES AND VOIDES THIS PIPE SUPPORT.
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tack / MECH. MODS. Date 2-22-92

ANII ~~NA Charles R. Armel~~ QE Organization
~~Date 3-18-92~~ N/A BMC 12/7/95
B Earnest 12/7/95

[a] 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



WORKPLAN K-P05600A-1
Page IX-~~106a~~ 107 J.T. 2-23-92

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. WP. KP05600A-1
Date 2-22-92
Report Tracking No. 92-035 2/24/92
Unit 1
Sheet[a] 1 of 1

er) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

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

Type Code Symbol Stamp[b] N/A 2-22-92
Authorization No.[b] N/A J.T.
Expiration Date[b]

Identification of system 5"Φ ASME CL. 2 PIPING (TVA CL. "B"), SYS. 072
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
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 4 J.T. 2-22-92
d to aid in identification) PIPE SUPPORT I.D. 1072-A060-72-2B

Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY, TN
Manufacturer's Serial Number N/A J.T. 2-22-92
National Board Number (if applicable)
Other identification (Subassembly number, heat number, etc.) NONE

Year built 1990 Code Class [ ] 1 [X] 2
[ ] Repaired [ ] Replaced[c] [X] Replacement[d]
ASME Code Stamped [ ] Yes [X] 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-11564A REMOVES AND VOIDES THIS PIPE SUPPORT.
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tasker / MECH. MODS Date 2-22-92
Organization

ANII ~~NA Charles K. Dunch QE~~ Date ~~3-18-92~~ N/A BME 12/7/95
B Earnsh 12/7/95

e filled in by TSI programs.
work performed by certificate holder
laced (like or equivalent)

d Replacement (modification)
e When required by Construction Code

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WORKPLAN K-P05600A-1

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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 2/24/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] A[2]
Authorization No.[b] 2-22
Expiration Date[b] N/A J.T.

Identification of system 5" ASME CL. 2 PIPING (TVA CL. 'B'), SYS. 072

(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

(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 1/8" 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 N/A J.T. 2-22-92

(D) National Board Number (if applicable)

(E) Other identification (Subassembly number, heat number, etc.) NONE

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

(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

(H) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed PIPE SUPPOR 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 # P05620-56-0 VOIDES THIS SUPPORT.
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS Date 2-22-92
Organization

NII ~~N/A Charles R. Hood, QE~~ Date ~~3-18-92~~ N/A Date 12/7/95
B Earnest 12/7/95

[a] 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

WID No. WP. KP05600A-1
Date
Report Tracking No. 92-037 2/24/92
Unit 1
Sheet[a] 1 of 1

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A J.T. 2-22-92
Expiration Date[b]

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

Identification of system 5"Ø ASME CL. 2 PIPING (TVA CL. "B"), SYS. ~~027~~ 072 J.T. 2-22-92
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
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, 8-8 1/4" WEST OF A5, 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 N/A J.T. 2-22-92
(National Board Number (if applicable)
(Other identification (Subassembly number, heat number, etc.) NONE

(Year built 19____ Code Class [ ] 1 [X] 2
(Repaired [ ] Replaced[c] [X] Replacement[d]
(ASME Code Stamped [ ] Yes [X] 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 N/A J.T. 2-22-92

Remarks DCA # P05620-57-0 VOIDES THIS SUPPORT.
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS Date 2-22-92
Organization

ANII ~~N/A Charles K. Amick, QE~~ Date ~~3-18-92~~ N/A AME 12/7/95
B Eamigh 12/7/95

[a] filled in by ASI 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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72-1CS-V142

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. WP. KP05600A-1
Date
Report Tracking No. G2-038 2/24/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A J.T. 2-22-92
Expiration Date[b]

4. Identification of system 10" ASME CL. 2 PIPING (TVA CL. B), SYS. 072

5.(A) Applicable Construction Code ASC 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-142, 17/16" WEST OF "A4", 2'-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 N/A J.T. 2-22-92

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

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 1992 Code Class [ ] 1 [X] 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 PIPE SUPPORT HAS BEEN MODIFIED BY REMOVING EXISTING 1/2" ROD, 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, WORK PLAN K-P05600A-1
N/A J.T. 2-22-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash, MECH. MODS Date 2-22-92
Organization

ANII S. B. [signature] Date 4-13-92

[a] 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

(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 2/24/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A J.T. 2-22-92
Expiration Date[b]

Identification of system 6"Ø ASME CLASS 2 PIPING (TVA CL. B), SYS. 072

(A) Applicable Construction Code ASC 1973
Edition JUNE 1973 Addenda N/A J.T. 2-22-92 Code Case N/A 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. ~~1078~~ 1072-72-1CS-R43, 3'-0" NORTH OF "U", 5'-0" WEST OF "AS", EL. 713'-2", AUX. BLDG. 4/12/96

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

(C) Manufacturer's Serial Number N/A J.T. 2-22-92

(D) National Board Number (if applicable) N/A J.T. 2-22-92

(E) Other identification (Subassembly number, heat number, etc.) CONTAINMENT SPRAY SYS.
N/A J.T. 2-22-92

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

(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

(H) ASME Code Stamped [ ] Yes [X] 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 N/A J.T. 2-22-92

Remarks DCA P05600-01-0 VOIDES THIS SUPPORT.
W.P. K-P05600A-1
N/A
J.T. 2-20-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Tash / MECH. MODS. Date 2-22-92
Organization

ANII ~~NA Chuck R. Brock, QE~~ Date ~~3-18-92~~ BMG 4/8/96
B. Earnsh 4/8/96

[a] 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

WORKPLAN K-P05600A-1

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1072-72-1CS-R52
1072-72-1CS-R76
1072-A454-1-204
1072-A457-2

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[a] N/A AGC 2-26-92 of 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, TN
City and State

Type Code Symbol Stamp[b] N/A AGC 2-26-92
Authorization No.[b] N/A AGC 2-26-92
Expiration Date[b] 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° 08'/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[c] [X] Replacement[d]

5.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed SUPPORT VOIDED PER WORKPLAN # K-K05792A-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [X] Other ✱
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC 2-26-92 F

Remarks ✱ VIBRATION TEST # TI-103.68.01
N
A AGC 2-26-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr Alton G. Glenn / MODIFICATIONS Date 2-26-92

ANII ~~NA Charles Y. Smed QC~~ Organization ~~Date 9-25-92~~ N/A ANE 12/7/95
B Earnigh 12/7/95

Sheet Nos. filled in by ISI programs.
[c] Replaced performed by certificate holder
[d] Replacement (like or equivalent)
[e] When required by Construction Code



Workplan KK05792A-1
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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[a] N/A AGC 2-17-92 of N/A AGC 2-17-92
Unit 1
Report Tracking No. 92-041 2/24/92
3. Work Performed by: TVA — Type Code Symbol Stamp[b] N/A EB 9-19-90
Company
P.O. Box 2000 — Authorization No.[b] N/A EB 9-19-90
Address
SPRING CITY, TN — Expiration Date[b] N/A EB 9-19-90
City and State
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-W1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 1068-1-68-039/RB # 1/EL. 720'-4 3/4"/14'-10 9/16 S. OF 90°/34'-3" W. OF 0° (4" 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 ☐[c] Replacement ☒[d]
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[e] to be attached.
EB 9-19-90
Responsible Engr E. Brown / MEA-NC Date 9-19-90
Organization
ANII ~~NA Charles R. Dorsch QE~~ N/A Pool 12/7/95 Date ~~3-25-92~~
B Earnigh 12/7/95

[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.

WORKPLAN KK05792A-1

APPENDIX D
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WP K-K05792A-1

PAGE IX-141 AGC 2-17-92

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

Date 9-19-90

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

Sheet[a] N/A AGC 2-17-92 of N/A AGC 2-17-92
Unit 1
Report Tracking No. 91-042
Type Code Symbol Stamp[b] N/A EB 9-19-90
Authorization No.[b] N/A EB 9-19-90
Expiration Date[b] N/A EB 9-19-90

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

4. Identification of System 68 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 # 1068-1-68-044 / RB # 1, EL. 733'-11" / AZ 107°33' / 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 9-18-90

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 ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☐ No ☒

7. Brief description of repair or replacement work performed.
SUPPORT MODIFIED PER WORK PLAN # K-K05792A-1 (REMOVED SNUBBER ADDED STRUT)
(PRESERVICE INSPECTION VT-3)

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
Δ AGC 2-21-92

(N/A) Applicable manufacturer's data report[e] to be attached.
EB 9-19-90

Responsible Engr E. Brannen / 9-19-90 MEA-NC Date 9-19-90
Organization

ANII [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

PAGE IX-156 ~~OF~~ AGC 2-17-92

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[a] N/A AGC 2-17-92 of N/A AGC 2-17-92
Unit 1
Report Tracking No. 91-043 2/29/92

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

Type Code Symbol Stamp[b] N/A EB 9-19-90
Authorization No.[b] N/A EB 9-19-90
Expiration Date[b] 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-W1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 1068-1-68-045/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 ☐[c] Replacement ☒[d]
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 AGC 2-17-92

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

ANII ~~N/A Charles Brock, QE~~ N/A BME 12/7/95 Date ~~3-25-92~~
B Earnigh 12/7/95

[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 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. KK05792A-1
Date 2-26-92
Report Tracking No. 92-045
Unit 1
Sheet[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

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

Type Code Symbol Stamp[b] N/A AGC 2-26-92
Authorization No.[b] N/A AGC 2-26-92
Expiration Date[b] N/A AGC 2-26-92

4. Identification of system G8 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 # 1068-1-68-021/RB #1/EL. 733'-0" AZ 104° 8'/R=39'-8" (4" ϕ 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 A Code Class [ ] 1 [ ] 2 A VOIDED 1990
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 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 [X] Other *
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC 2-26-92 F
9. Remarks * VIBRATION TEST # TI-103.68.01
N
A AGC 2-26-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Alton G. Clemon / MODIFICATIONS Date 2-26-92
Organization
ANII ~~NA Charles F. Brach QE~~ Date ~~3-25-92~~ N/A ~~ASME~~ 12/7/95
B Earnigh 12/7/95

Sheet Nos. filled in by ISI programs.
- 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. K-K05792A-1
Date 2-26-92
Report Tracking No. 92-046
Unit 1
Sheet[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

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

Type Code Symbol Stamp[b] N/A AGC 2-26-92
Authorization No.[b] N/A AGC 2-26-92
Expiration Date[b] 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 # 1068-1-68-020/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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] 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 [X] Other *
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC 2-26-92 F
9. Remarks *VIBRATION TEST # TI-103.68.01
N
A AGC 2-26-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92
Organization
ANII B Eamigh Date 12/7/85

[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

WID No. KK05792A-1
Date 2-26-92
Report Tracking No. 92-047
Unit 1
Sheet[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b] 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.[b] N/A AGC 2-26-92

Expiration Date[b] N/A AGC 2-26-92

4. Identification of system 68 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#1/EL.733' AZ 108/R=34' (4" ϕ 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[c] [X] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] 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 [X] Other *
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC 2-26-92 F

9. Remarks * VIBRATION TEST # TI-103.68.01
N
A AGC 2-26-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92
Organization

ANII [signature] Date 4-3-93

[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



Workplan KK05792A-1
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APPENDIX D
Page 1 of 1

## SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
▲ Date 10-1-90
2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
▲ DATE ADDED 1/18/91 WMO
Sheet[a] N/A AGC 2-20-92 of N/A AGC 2-20-92
Unit 1
Report Tracking No. 92-048 2/24/92
3. Work Performed by: TVA
Company
P.O. Box 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] N/A EB 10-1-90
Authorization No.[b] N/A EB 10-1-90
Expiration Date[b] N/A EB 10-1-90
4. Identification of System 68, 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-W1981
6(A). Name of Component(s) and description (include size, capacity, material, and location as needed to aid in identification)
PIPE SUPPORT # 1068-1-68-027/RB#1/EL 733'/AZ 108°/R: 34'
(4" 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 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 ☐[c] Replacement ☒[d]
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 REPLACED SNUBBER WITH RIGID RESTRAINT
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[e] to be attached.
EB 10-1-90
Responsible Engr [signature] MEA-NC Date 10-1-90
Organization
ANII [signature] Date 4/9/92

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[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.

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[a] N/A AGC 2-26-92 of 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, TENNESSE
City and State

Type Code Symbol Stamp[b] N/A AGC 2-26-92
Authorization No.[b] N/A AGC 2-26-92
Expiration Date[b] 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 # 1068-1-68-012 / 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[c] [X] Replacement[d]

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 N/A AGC 2-26-92 F

9. Remarks * VIBRATION TEST # TI-103.68.01
N
A AGC 2-26-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-26-92

ANII ~~N/A Charles R. Grech~~ QE Organization N/A
Date ~~3-25-92~~ B Eamon 12/7/95 BMLE 12/7/95

[a] Sheet Nos. filled in by ASI programs.
[b] Work performed by certificate holder
[c] Lead (like or equivalent)
[d] Replacement (modification)
[e] 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[a] N/A AGC 2-17-92 of N/A AGC 2-17-92
Unit 1
Report Tracking No. 92-050 2/25/92
3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A wmo 12/5/90
P.O. BOX 2000
Address
Authorization No.[b] N/A wmo 12/5/90
SPRING CITY, TN
City and State
Expiration Date[b] N/A wmo 12/5/90
4. Identification of System 68, RCS, ASME CODE CLASS 1
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A wmo 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 #1-68-055, 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 wmo 12/5/90
6(D). National Board Number (if applicable) N/A wmo 12/5/90
6(E). Other Identification (subassembly number, heat number, etc.) N/A wmo 12/5/90
6(F). Year Built SUPPORT MODIFIED 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
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 wmo 12/5/90 psi Test Temperature N/A wmo 12/5/90 F
9. Remarks: * PRESERVICE INSPECTION VT-3, ~~VIBRATION~~ wmo 12/5/90
* VIBRATION TEST # TI-103.68.01

N/A AGC 2-17-92

(N/A wmo 12/5/90) Applicable manufacturer's data report[e] to be attached.
Responsible Engr M L Dodd 12/5/90 MEA-NC Date 12/5/90
Organization

ANII [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.



WP K-K05792A-1

PAGE IX-204 ~~OF~~ AGC 2-17-92

ADDITIONAL INFORMATION

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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-A04229A-1
Date 2-24-92
Report Tracking No. 92-051 2/25/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA JAK 2-24-92
Authorization No.[b] NA JAK 2-24-92
Expiration Date[b] NA JAK 2-24-92

Identification of system Sys. 74 RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA JAK 2-24-92 Code Case NA JAK 2-24-92

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) W14X13, SUPPORT NO. 74-TRHR-R59
6'-3" S of Y, 3'-3" W of A5, EL. 688'

6.(B) Name of manufacturer NA JAK 2-24-92
Address of manufacturer (if known) N/A JAK 2-24-92

6.(C) Manufacturer's Serial Number N/A JAK 2-24-92

6.(D) National Board Number (if applicable) N/A JAK 2-24-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

6.(F) Year built 19 NA JAK 2-24-92 Code Class [ ] 1 [ ] 2

6.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] No

Brief description of repair or replacement work performed CUT SOUTH FLANGE ONLY OF W4X13 TO PROVIDE CLEARANCE PER DCA-M23350-01-1

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other JAK 2-24-92
Test Pressure NA JAK 2-24-92 psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Jimmy Knott / Jimmy KNOTT Date 2-24-92
I MECH. MODS
Organization

ANII [signature] Date 2-29-92

[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. KP05240A-1
Date 2-26-92
Report Tracking No. 92-052 2/26/92
Unit 1
Sheet[a] 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[b] NA SRD 2-26-92
Authorization No.[b] NA SRD 2-26-92
Expiration Date[b] NA SRD 2-26-92

4. Identification of system 070 COMPONENT COOLING WATER
5.(A) Applicable Construction Code ASME 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.(B) Name of manufacturer NA SRD 2-26-92
Address of manufacturer (if known) NA SRD 2-26-92
5.(C) Manufacturer's Serial Number NA SRD 2-26-92
5.(D) National Board Number (if applicable) NA SRD 2-26-92
5.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).
5.(F) Year built 19 NA SRD 2-26-92 Code Class [ ] 1 [ ] 2
5.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
5.(H) 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 DCN P05240-B, DCAIS 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
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 2-26-92
Organization

NII S.B. Hatter 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



Workplan KP05240A-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

WID No. K-P04633A-1
Date 2-27-92
Report Tracking No. 92-053 2/27/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 2-27-92
Authorization No.[b] NA SRD 2-27-92
Expiration Date[b] NA SRD 2-27-92

4. Identification of system 63
5.(A) Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 2-27-92 Code Case NA SRD 2-27-92
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) 8" PIPE SUPPORT # 1-63-049 ORIGINALLY INSTALLED IN CONTAINMENT, AZ 20° 38' 42" RADIUS 46'-2", ELEV. 741'-5"
6.(A) Name of manufacturer NA SRD 2-27-92
6.(B) Address of manufacturer (if known) NA SRD 2-27-92
6.(C) Manufacturer's Serial Number NA SRD 2-27-92
6.(D) National Board Number (if applicable) NA SRD 2-27-92
6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).
6.(F) Year built 19 NA SRD 2-27-92 Code Class [ ] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed SUPPORT MODIFIED BY DCA P04633-14, -15 & -16 TO INCREASE WELD SIZE/CONFIGURATION. ~~AND ADD LUGS~~ SRD 3-21-92 #1-63-049
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 2-27-92 psi Temperature NA SRD 2-27-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 2-27-92
Organization
ISI [signature] Date 3-21-92

filled in by ISI programs.
performed by certificate holder
(like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code



Workplan KP04633A-1
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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP03655A-1
Date 2-27-92
Report Tracking No. 92-054 SJ 2/28/92
Unit 1
Sheet[a] N/A AGC 2-26-92 of 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 TN
City and State

Type Code Symbol Stamp[b] N/A AGC 2-27-92
Authorization No.[b] N/A AGC 2-27-92
Expiration Date[b] N/A AGC 2-27-92

4. Identification of system 063 SAFETY INJECTION ; ASME-CLASS 2
4(a) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A AGC 2-27-92 Code Case N/A AGC 2-27-92
4(b) Applicable Edition of Section XI utilized for repairs or replacements
1980-Winter 1981 Addenda
4(c) 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
4(d) Name of manufacturer TVA
4(e) Address of manufacturer (if known) SPRING CITY, TN
4(f) Manufacturer's Serial Number N/A AGC 2-27-92
4(g) National Board Number (if applicable) N/A AGC 2-27-92
4(h) Other identification (Subassembly number, heat number, etc.) HT# 4-7479 (ROD), LOT# 8605601-2 (NUTS), HT# 481605 (3/4" PL), HT# 522183 (1" PL),
4(i) Year built 1990 Code Class [ ] 1 [ ] 2
4(j) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
4(k) ASME Code Stamped [ ] Yes [✓] No
4(l) Brief description of repair or replacement work performed MODIFY/INSTALL SUPPORT (NEW SUPPORT) N/A AGC 2-27-92 SJ 2/28/92
4(m) 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
4(n) Remarks NONE

4(o) Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

4(p) Responsible Engr Alton G. Clemons / MODIFICATIONS Date 2-27-92
Organization
4(q) ANII B Earnest Date 5/25/92

[a] Filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



WORKPLAN KP03655A-1

1-63-472

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. KP03655A-1
Date 2-27-92
Report Tracking No. 92-055 2/28/92
Unit 1
Sheet[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

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

Type Code Symbol Stamp[b] N/A AGC 2-27-92
Authorization No.[b] N/A AGC 2-27-92
Expiration Date[b] N/A AGC 2-27-92

4. Identification of system 063 SAFETY INJECTION; ASME-CLASS
5.(A) Applicable Construction Code AISC 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-A435-8-31: 1/2" PL, P1000 UNISTRUT, 1/2" SA193 GR B7 ROD, SA563 GR A 1/2" NUTS, 1/4" A307 GR A BOLTS, P2558-7 CLAMP
Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY, TN
6.(C) Manufacturer's Serial Number N/A AGC 2-27-92
6.(D) National Board Number (if applicable) N/A AGC 2-27-92
6.(E) Other identification (Subassembly number, heat number, etc.) SEE ITEM 6(A)
N/A AGC 2-27-92
6.(F) Year built 1990 Code Class [ ] 1 [ ] 2
6.(G) [ ] Repaired [X] Replaced[c] [ ] Replacement[d]
6.(H) 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
Test Pressure N/A AGC 2-26-92 psi Temperature N/A AGC 2-26-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92
Organization

ANII ~~N/A BNE 5/25/92~~ BNE 4/8/96 Date
B. Camph 4/8/96

[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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WORKPLAN KP03655A-1

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[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

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

Type Code Symbol Stamp[b] N/A AGC 2-27-92
Authorization No.[b] N/A AGC 2-27-92
Expiration Date[b] N/A AGC 2-27-92

Identification of system 063 SAFETY INJECTION; ASME-CLASS 2
Applicable Construction Code AISC 1973
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 applied to aid in identification) PIPE SUPPORT 1063-A435-7-81: 1/2"ø BOLTS; 1/2" A36 PL, 3/4" A36 PL, 1/2" TS 4x4 A500 GR-B; TS 6x3x3/8 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# 411S7810(1/2"PL), HT# W87621(3/4"PL), T82948(1/2"TS), 038029(3/8"TS)
Year built 1990 Code Class [ ] 1 [ ] 2
[X] Repaired [ ] Replaced[c] [X] Replacement[d]
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 2-27-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required
Responsible Engr Alton G. Clemmer / MODIFICATIONS Date 2-27-92
Organization
QA R. Earnigh Date 5/25/92

[a] Filled in by ISI programs.
[b] Filled by certificate holder (NB or equivalent)
[c] Replaced
[d] Replacement (modification)
[e] When required by Construction Code

WORK PLAN KP03655A-1

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47A435-8-18
47A435-6-39
47A435-8-30

APPENDIX 6
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[a] N/A AGC 2-26-92 of N/A AGC 2-26-92

Type Code Symbol Stamp[b] N/A AGC 2-27-92

Authorization No.[b] N/A AGC 2-27-92

Expiration Date[b] N/A AGC 2-27-92

4. Identification of system 063 SAFETY INJECTION; ASME-CLASS

5.(A) Applicable Construction Code AISC 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"ϕ SA563 GR-A NUTS; 1/2" SA193 GR-B7 ROD; P2258-07 UNISTRUT CLAMP; 1/4" P1006-1420 SPRING NUTS; 1/4" x 1" LG. A307 BOLTS

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

6.(C) Manufacturer's Serial Number N/A AGC 2-27-92

6.(D) National Board Number (if applicable) N/A AGC 2-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE ITEM 6(A)
N/A AGC 2-27-92

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

6.(G) [ ] Repaired [X] Replaced[c] [ ] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [ ] No

6.(I) Brief description of repair or replacement work performed REPLACED SUPPORT BOLTING MATERIAL WHILE REWORKING PIPE

7. 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

8. Remarks NONE

9. Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

10. Responsible Engr Alton G. Coleman / MODIFICATIONS Date 2-27-92
Organization

11. ~~N/A DATE 5/25/92~~ DATE 4/8/96 Date
B. Eumgh 4/8/96

[a] Filled in by ISI programs.
[b] Performed by certificate holder (Ke or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code



47A435-8-30

47A435-8-31

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
Report Tracking No. 92-058 3/2/92
Unit 1
Sheet[a] 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[b] NA SRD 2-27-92
Authorization No.[b] NA SRD 2-27-92
Expiration Date[b] NA SRD 2-27-92

4. Identification of system 63

*5.(A) Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 2-27-92 Code Case NA SRD 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 SRD 2-27-92
Address of manufacturer (if known) NA SRD 2-27-92

6.(C) Manufacturer's Serial Number NA SRD 2-27-92

6.(D) National Board Number (if applicable) NA SRD 2-27-92

6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).

6.(F) Year built 19 NA SRD 2-27-92 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 SUPPORT # 1-63-047 MODIFIED PER DCA PO4633-11, -12 & -13 TO INCREASE WELD SIZES, ADD SPACER PLATES AND LUGS *

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other SRD 2-27-92
Test Pressure NA SRD 2-27-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] MECH. MODS Date 2-27-92
Organization

ANII [signature] Date 3-21-92

[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



Workplan KPO4633A-1
Page 1X-31a

* APPLICABLE PRESSURE BOUNDRY WELDING (LUGS TO PIPE) PERFORMED IN ACCORDANCE WITH ~~NCIA~~ SRD 3-21-92 CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. SRD 3-21-92 SRD 3-21-92 ~~ACCEPT~~

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 SG 3/2/92
Unit 1
Sheet[a] 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[b] NA SRD 2-27-92
Authorization No.[b] NA SRD 2-27-92
Expiration Date[b] NA SRD 2-27-92

4. Identification of system 63
5.(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda NA SRD 2-27-92 Code Case NA SRD 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"
6.(B) Name of manufacturer NA SRD 2-27-92
Address of manufacturer (if known) NA SRD 2-27-92
6.(C) Manufacturer's Serial Number NA SRD 2-27-92
6.(D) National Board Number (if applicable) NA SRD 2-27-92
6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A).
6.(F) Year built 19 NA SRD 2-27-92 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 SUPPORT # 1-63-051 MODIFIED PER DCA P04633-17, -18 & -19 TO ADD LUGS* AND SPACER PLATES.
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 2-27-92 psi Temperature NA SRD 2-27-92 °F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 2-27-92
Organization

ANII [signature] Date 3-21-92.

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

* PRESSURE BOUNDRY WELDING (LUGS TO PIPE) PERFORMED IN ACCORDANCE WITH THE ~~NCA~~ SRD 3-21-92, CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. SRD 3-21-92

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L Complete

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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-PO4633A-1
Date 2-27-92
Report Tracking No. 92-060 3/2/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 2-27-92
Authorization No.[b] NA SRD 2-27-92
Expiration Date[b] NA SRD 2-27-92

4. Identification of system 63
5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda NA SRD 2-27-92 Code Case NA SRD 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 # 1-63-053 ORIGINALLY INSTALLED IN CONTAINMENT, AZ. 95°, RADIUS 45'-2", ELEV. 741'-5".
6.(B) Name of manufacturer NA SRD 2-27-92
Address of manufacturer (if known) NA SRD 2-27-92
6.(C) Manufacturer's Serial Number NA SRD 2-27-92
6.(D) National Board Number (if applicable) NA SRD 2-27-92
6.(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)
6.(F) Year built 19NA SRD 2-27-92 Code Class [ ] 1 [ ] 2
6.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] 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
Test Pressure NA SRD 2-27-92 psi Temperature NA SRD 2-27-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr Scotty Dicken / MECH. MODS Date 2-27-92
Organization
ANII [signature] Date 3-21-92

Sh[illegible]s. filled in by ISI programs.
For [illegible] performed by certificate holder
Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



* PRESSURE BOUNDRY WELDING (LUGS TO PIPE) PERFORMED IN ACCORDANCE WITH THE ~~NCM~~ SRD 3-21-92 CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. SRD 3-21-92

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WORKPLAN KM

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. KM124654-1
Date 3-3-92
Report Tracking No. 92-061 3/3/92
Unit 1
Sheet[a] 1 of 1

1) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Performed by TVA
Company
P.O. BOX 2000
Address
SPRING CITY TN
City and State

Type Code Symbol Stamp[b]
Authorization No.[b] N/A 3/3/92
Expiration Date[b]

Identification of system Chemical & Volume Control System.
Applicable Construction Code ASME 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[c] [✓] Replacement[d]
ASME Code Stamped [ ] Yes [✓] No
Brief description of repair or replacement work performed Support deleted (per DCA 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[e]. [ ] Yes [ ] None Required

Responsible Engr Ronald G. Sakowski Mech. Mods. Date 3/3/92
Organization

ANII ~~N/A~~ B. Eamon 12/7/95 Date 3-17-92 12/7/95

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



1062-A553-11-5
1062-1-62A-355

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. WP K P05600A-1
Date 3-3-92
Report Tracking No. 92-062 3/3/92

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

Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 3-3-92
Authorization No.[b]
Expiration Date[b]

4. Identification of system 10" ASME CL. 2 PIPING (TVA CL. "B"), SYS 072

5.(A) Applicable Construction Code ASME 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) N/A J.T. 3-3-92
6.(E) Other identification (Subassembly number, heat number, etc.)

6.(F) Year built 1990 Code Class [ ] 1 [X] 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 PIPE SUPPORT WAS MODIFIED BY REMOVING EXISTING SNUBBER, END BRKT., & 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
N/A J.T. 3-3-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr J. Trash / MECH. MODS Date 3-3-92
Organization

ANII J.B. Hale Date 4-13-92

[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



WORKPLAN K-P05600A-1

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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. K-P04684A-1
Date 3/3/92
Report Tracking No. 92-063 3/4/92

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

Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A H.R.M. 3/3/92
Expiration Date[b]

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 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 1003B-03B-1AFW-R212
Reactor Bldg. Elev. 745'-5"/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 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 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] No

7. Brief description of repair or replacement work performed Remove Strut, Bracket and Clamp. Remove old W4X13, replace with new material and Snubber w/Components

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other N/ H.R.M. 3/3/92
Test Pressure _____ psi Temperature N/A °F

9. Remarks Support Completed 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[e]. [ ] Yes [ ] None Required

Responsible Engr George R. McKee / MODS Date 3/3/92
Organization

ANII S.B. Hale Date 4-13-92

[a] Sheets filled in by ISI programs.
[b] Items 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. KPO-4684A-1
Date 3/3/92
Report Tracking No. 92-064
Unit 1
Sheet[a] 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[b]
Authorization No.[b] N/A
Expiration Date[b] H.R.M. 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. Ft. Elev. 738'-11 5/16" / 0'-7 1/4" East "0°" & 38'-0 1/8" South "270°" H.R.M. 3/3/92

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 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] 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[e]. [ ] Yes [✓] None Required

Responsible Engr George R. Mabbitt MODS Date 3/3/92
Organization

ANII S. B. Hatch Date 4-13-92

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



WORKPLAN K-P04684A-1

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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. M-5802-3
Date
Report Tracking No. 92-066
Unit 1
Sheet[a] ____ 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[b]
Authorization No.[b] N/A GW 3/10/92
Expiration Date[b] 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~~ 3/11/92 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 1063-63-15IS-V180
A36 THRD ROD 1 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.
6.(C) Manufacturer's Serial Number N/A GW 3/10/92
6.(D) National Board Number (if applicable) N/A GW 3/10/92
6.(E) Other identification (Subassembly number, heat number, etc.) BP133 (ROD) & BP274 (EYENUT)
6.(F) Year built 1990 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 REMOVE WELDED EYEROD 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[e]. [ ] Yes [X] None Required

Responsible Engr Gw Wright / MOD/SNR Date 3/10/92
Organization
ANII [signature] Date 3-11-92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

WORKPLAN M-5802-3

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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[a] 1 of 1

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

Type Code Symbol Stamp[b]
Authorization No.[b] N/A Hrm. 3/16/92 L.E.
Expiration Date[b]

Identification of system 15, SG Blowdown, ASME Class 2 (4" Ø Pipe)
Applicable Construction Code AISC 1973
Edition June 1973 Addenda N/A Hrm. 3/16/92 Code Case N/A Hrm. 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, RBI, Elev. 733', Azimuth 160°
Name of manufacturer TVA
Address of manufacturer (if known) Spring City, TN
Manufacturer's Serial Number N/A Hrm. 3/16/92 L.E.
National Board Number (if applicable) N/A Hrm. 3/16/92 L.E.
Other identification (Subassembly number, heat number, etc.) N/A Hrm. 3/16/92 L.E.
N/A Hrm. 3/16/92 L.E.
Year built 1990 Code Class [ ] 1 [✓] 2
[ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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 & Snubbers inspected
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other Hrm L.E.
Test Pressure N/A Hrm 3/16/92 L.E. psi Temperature N/A 3/16/92 F
Remarks Support Completed and Documented 3/16/92 L.E.
N/A Hrm. 3/16/92 L.E.

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr George R. McKibbin / MODS McKibbin Organization Date 3/16/92 L.E.

ANII Bob Sax Date 3-16-92

Nos. filled in by ISI programs.
rk performed by certificate holder
ced (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code



WORKPLAN KPO-4537A-1
Page IX-103A L.E. Hrm. 3/16/92

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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[a] N/A AGC 3-18-92 of N/A AGC 3-18-92

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

Type Code Symbol Stamp[b] N/A AGC 3-18-92
Authorization No.[b] N/A AGC 3-18-92
Expiration Date[b] 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 [illegible]ed 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
N/A AGC 3-18-92
Year built 1992 Code Class [ ] 1 [X] 2
[ ] Repaired [ ] Replaced[c] [ ] Replacement[d]
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 3-18-93 psi Temperature N/A AGC 3-18-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr Alton G. Coleman / MODIFICATIONS Date 3-18-92
Organization
ANII R Earnest Date 5/25/92

[illegible]ed in by ISI programs.
[illegible] performed by certificate holder (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code

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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[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 3-21-92

4. Identification of system 062, 2" Ø 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'-6½", 5'-5½" 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
6.(F) Year built 1990 Code Class [ ] 1 [✓] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [✓] No
7. Brief description of repair or replacement work performed REMOVE DELETED SUPPORT PER 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sundar M. Dalal MODS Date 3-21-92
N/A Bone 12/7/95 Organization

ANII ~~N/A~~ ~~5/11/92~~ Date ____
B Earnest 12/7/95

Nos. filled in by ISI programs.
[a] 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
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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. 92-07 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 3-21-92

Identification of system 062, 2" ϕ 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: 62-1CVC-R122, AUX. BLDG. PIPE EL. 736'-11½", 8'-1" NORTH OF (U), 3'-1" EAST OF (A5)

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

Year built 1990 Code Class [ ] 1 [✓] 2

[ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

ASME Code Stamped [ ] Yes [✓] No

Brief 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal / MGDS Date 3-21-92
N/A Bone 12/7/95 Organization
N/A ~~BS 5/11/92~~ Date ____
B Eamon 12/7/95

[a] Filled in by ISI programs.
[b] Filled by certificate holder (or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code

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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 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system 062, 2" Φ PIPE, A+ ASME CLASS-2 SMD 3-21-92

(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: 47A060-62-162, AUX. BLDG. EL. 736'-6½", 5'-7½" NORTH OF (U), 3'-1" EAST OF (AS)

(B) Name of manufacturer TVA
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[c] [✓] Replacement[d]

(H) ASME Code Stamped [ ] Yes [✓] No

Brief description of repair or replacement work performed INSTALL SUPPORT PER DCA. (NEW SUPPORT) SMD 3-21-92 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 8-21-90 SMD 3-21-92
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal MODS Date 3-21-92
Organization

AVII [signature] Date 3-24-92

[a] Sheet Nos. filled in by ISI programs.
[b] Performed by certificate holder (like or equivalent)
[c] Replacement (modification)
[d] When required by Construction Code

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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 3/23/92
Unit 1
Sheet[a] ____ of ____

Performed by TVA
Company
P.O. BOX 2000
Address
SPRING CITY TN
City and State

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system OGZ, 2" ø PIPE, ASME CLASS-2
Applicable Construction Code AISC 1973
Addenda 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
Components(s) and description (include size, capacity, material, and location as required to aid in identification) PIPE SUPPORT ID: 47A406-3-9, AUX. BLDG. ELEV. 736'-6 1/2", 5'-7 1/2" NORTH OF (U), 3'-1" EAST OF (V)
Manufacturer TVA
Name 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
Identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

Rebuilt 1990 Code Class [ ] 1 [✓] 2
Repaired [ ] Replaced[c] [✓] Replacement[d]
ASME Code Stamped [ ] Yes [✓] No
Brief 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal / MEDS Date 3-21-92
N/A PME 12/7/95 Organization
Inspector ~~N/A - SB 5/7/92~~ Date ____
B. Earnest 12/7/95

[a] Filled in by ISI programs.
[b] Stamped by certificate holder (or equivalent)
[c] Replacement (modification)
[d] Replacement (modification)
[e] When required by Construction Code

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APPENDIX G
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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 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system 062, 2" ϕ 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
S-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[c] [✓] Replacement[d]
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[e]. [ ] Yes [✓] None Required

Responsible Engr Sundar M. Dakli MODS Date 3-21-92
Organization
ANII [signature] Date 5-11-92

[a] filled in by ISI programs.
[b] performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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47A406-3-40
62-1CVC-RS1
47A406-3-36

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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 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system 062, 3" ϕ 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: 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
(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[c] [ ] Replacement[d]
(H) ASME Code Stamped [ ] Yes [✓] No
Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT AND INSTALL NEW SUPPORT PER DCA.
(I) 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dakl / MODS Date 3-21-92
Organization

ANII [signature] Date 5/11/92

Nos. filled in by ISI programs.
rk performed by certificate holder
eplaced (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code

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62-1CVC-R51

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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 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3.21.92
Expiration Date[b] ____

Identification of system 062, 2"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: 62-1CVC-R51, AUX. BLDG. EL. 731'-9½", 6'-4" NORTH OF (T) 8'-8" EAST 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[c] [ ] Replacement[d]
(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 9.7.90. N/A SMD 3.21.92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr Sunda M. Dalal MODS Date 3.21.92
Organization

ANII [signature] Date 5-11-92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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47A406-1-2, 47A406-3-36

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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 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system 062, 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
(C) 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'-7 5/8", 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
(E) National Board Number (if applicable) N/A SMD 3-21-92
(F) Other identification (Subassembly number, heat number, etc.) N/A SMD 3-21-92

(G) Year built 19 90 Code Class [ ] 1 [✓] 2
(H) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
(I) ASME Code Stamped [ ] Yes [✓] No
Brief description of repair or replacement work performed INSTALL SUPPORT PER DCA. (ENTIRE NEW SUPPORT) 3/23/92
(J) Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92
Test Pressure ____ psi Temperature ____ F
(K) Remarks SUPPORT COMPLETED AND DOCUMENTED ON 8-7-90 N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal / MODS Date 3-21-92
Organization

ANII [signature] Date 3-24-92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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SMD 3-21-92

ANI
ANII

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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. 92-079
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

Identification of system 062, 2" 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: 47A406-1-27 AUX. BLDG. EL. 699'-6", 2'-6" NORTH OF (U) 5'-7" WEST OF (A5)

(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[c] [✓] Replacement[d]

(H) ASME Code Stamped [ ] Yes [✓] 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal 3-21-92 Date ____
Organization

ANII [signature] Date 3-24-92

[a] Pgs. filled in by ISI programs.
[b] performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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. 92-080 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3.21.92
Expiration Date[b] ____

Identification of system 062, 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: 62-1CVC-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[c] [ ] Replacement[d]

H) ASME Code Stamped [ ] Yes [✓] No

Brief description of repair or replacement work performed REMOVE SUPPORT & REINSTALL PER DCA. ~~(REPLACED LUGS WITH LARGER SIZE)~~ 3/23/92 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[e]. [ ] Yes [✓] None Required

Responsible Engr Sundar M. Dalal MODS Date 3.21.92
Organization

ANII [signature] Date 5-12-92

[a] ... filled in by ISI programs.
[b] ... 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

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-P4602A-1
Date 3-21-92
Report Tracking No. ~~92-081~~ 3/23/92
92-081 3/23/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD
Expiration Date[b] 3-21-92

4. Identification of system 062 3"Ø 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-ICVC-R87, AUX. BLDG. PIPE EL. 717'-7", 7'-6¼" N. OF (T), 11'-8¼" WEST 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

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

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] No

7. Brief description of repair or replacement work performed MODIFY SUPPORT PER DCA. (CHANGED STRUTS TO LARGER SIZE AND REPLACED LUGS AND CLAMP) 3/23/92

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other N/A SMD 3-21-92
Test Pressure ____ psi Temperature ____ F

9. Remarks SUPPORT COMPLETED AND DOCUMENTED. 10-4-90 SMD 3-21-92
N/A SMD 3-21-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal / MODS Date 3-21-92
Organization

ANII [signature] Date 5-11-92

[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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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(1) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

WID No. K-P04602A-1 3/24/92
Date 3-21-92
Report Tracking No. 92-082 3/23/92
Unit 1
Sheet[a] ____ of ____

Performed by TVA
Company
P.O. BOX 2000
Address
SPRING CITY TN
City and State

Type Code Symbol Stamp[b] ____
Authorization No.[b] N/A SMD 3-21-92
Expiration Date[b] ____

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
Name of component(s) and description (include size, capacity, material, and location as necessary to aid in identification) PIPE SUPPORT ID: 47A406-3-37 AUX. BLDG. EL 736'-6 1/2", 2'-2" NORTH OF (U), 3'-7 3/4" 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

Year Built 1990 Code Class [ ] 1 [✓] 2
Repaired [ ] Replaced[c] [✓] Replacement[d]
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[e]. [ ] Yes [✓] None Required

Responsible Engr Sunder M. Dalal MODS Date 3-21-92
Organization
Date 5-11-92

[a] Filled in by ISI programs.
[b] Filled in by certificate holder (or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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47A406-3-40
47A406-3-27
62-1CVC-RS1
47A406-3-36

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

(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. KPO4591A-1
Date 3-25-92
Report Tracking No. 92-083 3/26/92
Unit 1
Sheet[a] 1 of 1

Type Code Symbol Stamp[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 3-25-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL
(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda NA SRD 3-25-92 Code Case NA SRD 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) 3" PIPE SUPPORT 1-62A-244 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 711'-6"; AZ. 99°; R=52'-6"
(B) Name of manufacturer BERGEN PATERSON
(C) Address of manufacturer (if known) NA SRD 3-25-92
(D) Manufacturer's Serial Number NA SRD 3-25-92
(E) National Board Number (if applicable) NA SRD 3-25-92
(F) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

(G) Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2
(H) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(I) ASME Code Stamped [ ] Yes [X] No
(J) Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-244 DELETED PER DCA PO4591-11-0, -12-0 SRD 3-25-92
(K) Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-25-92 psi Temperature NA SRD 3-25-92 F
(L) Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization
ANII NA Charles R. Arnold, QE MA Rev. E 12/7/95 Date 4-10-92
B Eamigh 12/7/95

[a] filled in by ISI programs.
[b] performed by certificate holder (like or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code



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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. KP04591A-1
Date 3-25-92
Report Tracking No. 92-084 DD 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 3-25-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL
Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 3-25-92 Code Case NA SRD 3-25-92
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-252 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 704'-0"; AZ. 54°; R= 521'-0"
Name of manufacturer BERGEN PATERSON
Address of manufacturer (if known) NA SRD 3-25-92
Manufacturer's Serial Number NA SRD 3-25-92
National Board Number (if applicable) NA SRD 3-25-92
Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2
[ ] Repaired [ ] Replaced[c] [X] Replacement[d]
ASME Code Stamped [ ] Yes [X] 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. SRD 3-25-92
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-25-92 psi Temperature NA SRD 3-25-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization
AKII NA Charles Dennis QE Date 4-10-92 N/A BME 12/7/95
B Ermigh 12/7/95

[a] Nos. filled in by ISI programs.
[b] 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

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-085 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-258 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 711'-6"; AZ. 48°; R=57'-2" & SRD 3-25-92

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[c] [X] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-258 DELETED PER DCA P04591-27-0 AND -28-0.

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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD 3-25-92 / MECH. MODS Date 3-25-92

ANII ~~NA Charles R. Amick, PE~~ Organization N/A
Date ~~4-10-92~~ B. Eammon 12/7/95 12/7/95

Nos. filled in by ISI programs.
[d] Replacement (modification)
[e] When required by Construction Code
rk performed by certificate holder
ed (like or equivalent)

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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. KP04591A-1
Date 3-25-92
Report Tracking No. 92-086 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 3-25-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL
A) Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 3-25-92 Code Case NA SRD 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 IN THE CONTAINMENT BLDG.; EL. 711'-6"; AZ. 44°; R= 54'-2"
(Name of manufacturer BERGEN PATERSON
(Address of manufacturer (if known) NA SRD 3-25-92
C) Manufacturer's Serial Number NA SRD 3-25-92
D) National Board Number (if applicable) NA SRD 3-25-92
E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

D) Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2
E) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
F) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-259 DELETED PER DCA PO4591-29-0 AND -30-0.
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-25-92 psi Temperature NA SRD 3-25-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD, MECH. MODS Date 3-25-92
Organization
AVII ~~NA Charles F. Amech QE~~ Date ~~4-10-92~~ BME 12/7/95
B. Earnigh 12/7/95

[a] To be filled in by ISI programs.
[b] Performed by certificate holder (like or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code

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APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-087 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-2666 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 44°; R=55'-2½"
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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-2666 DELETED PER DCA PO4591-41-0 AND -42-0.
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization
~~NDE NA Charles H. Smith, QE Date 4-10-92~~ N/A NDE 12/7/95
B. Earnest 12/7/95

[a] Sheets filled in by ISI programs.
[b] Performed by certificate holder (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID. No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-088 [illegible] 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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. 44°; 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[c] [X] Replacement[d]
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 PO4591-43-0 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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization
ANII ~~NA Charles R. Smith, QE~~ Date ~~4-10-92~~ N/A B. Eamigh 12/7/95 Date 12/7/95

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-089 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 3-25-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL
*5.(A) Applicable Construction Code ASME 19 73
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. 44°; R=56'-2 3/16"
6.(B) 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[c] [X] Replacement[d]
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[e]. [ ] Yes [X] None Required

Responsible Engr SRD Scotty Dicken / MECH. MODS Date 3-25-92
Organization

ANII B. Earnigh Date 6/4/92

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* Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (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

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-090 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-273 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 44°; R = 56'-2 3/16".
6.(B) 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] 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 SRD 3-25-92
Test Pressure NA SRD 3-25-92 psi Temperature NA F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD, MECH. MODS Date 3-25-92
Organization

ANII ~~NA Charles K. Dennett, QE~~ B. Cannon 12/7/95 Date ~~4-10-92~~ N/A ~~NA~~ 12/7/95

[a] Set Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

ANI
ANII

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-091 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-274 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ 44°; R= 56'-2 3/16"
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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed SUPPORT 1-62A-274 DELETED PER DCA P04591-55-0 AND -56-0.
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-25-92 psi Temperature NA SRD 3-25-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization

ANII ~~NA Charles H. Dimeth QC~~ Date ~~4-10-92~~ B. Earnigh 12/7/95 BME 12/7/95

[a] Sheets filled in by ISI programs.
[b] Performed by certificate holder (like or equivalent)
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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1-62A-276 1-62A-282 1-62A-281 1-62A-278

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. KP04591A-1
Date 3-25-92
Report Tracking No. 92-092 RG 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-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 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[c] [X] Replacement[d]
6.(H) 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
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
ANII Charles R. Dingeldo, QE Organization N/A
Date 4-10-92 ANE 12/7/95
B. Eunmah 12/7/95

[a] Blanks to be filled in by ISI programs.
[b] Work performed by certificate holder (like or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code



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Page IX-62

1-62A-523A

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-093 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-277 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-7", AZ. 55°, R= 47'-1"
(B) Name of manufacturer BERGEN PATERSON
Address of manufacturer (if known) NA SRD 3-25-92
(C) Manufacturer's Serial Number NA SRD 3-25-92
(D) National Board Number (if applicable) NA SRD 3-25-92
(E) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)
(F) Year built 19 NA SRD 3-25-92 Code Class [ ] 1 [ ] 2
(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT 1-62A-277 MODIFIED BY ADDING STRUCTURAL MATERIAL, BP STRUTS & FRICTION ANCHOR PER DCA P04591-131-1 & -132-1
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization

ANII B. Eamigh Date 6/4/92

[a] Sheets filled in by ISI programs.
[b] Performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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1-62A-282 A
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-094 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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" PIPESUPPORT 1-62A-278 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 712'; AZ. 53°; R=45'-6"
6.(b) 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[c] [X] Replacement[d]
6.(h) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed PIPE SUPPORT 1-62A-278 DELETED PER DCA P04591-59-0 AND -60-0
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92

ANII ~~NA Charles Ray Brooks, QE~~ Organization N/A
Date ~~4-16-92~~ B.M.E. 12/7/95
B. Earnest 12/7/95

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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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. KP04591A-1
Date 3-25-92
Report Tracking No. 92-095 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-523 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 712'-2 1/2"; AZ.301; R = 48'-6"
6.(B) 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed SUPPORT 1-62A-523 DELETED PER DCA P04591-068-0 AND -069-0.
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD, MECH. MODS Date 3-25-92
Organization
ANII ~~NA Charles R. Dimeck, QE~~ Date ~~4-10-92~~ B. Earnest 12/7/95 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



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APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-25-92
Report Tracking No. 92-096 SRD 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-25-92
Authorization No.[b] NA SRD 3-25-92
Expiration Date[b] NA SRD 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 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-528 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG. EL. 727', AZ. 302°-45', R = 48'-6"
6.(B) Name of manufacturer SRD 3-25-92 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[c] [X] Replacement[d]
6.(H) 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 PO4591-70-01-71-0.
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-25-92
Organization
ANII B. Earnghi Date 6/4/92
WORKPLAN KP04591A-1
Page IX-103

[a] Box filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] 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.
SRD 3-26-92

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-097 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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 1-62A-531 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 44°; R=56'-2 3/16"

(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[c] [X] Replacement[d]

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 SRD 3-26-92
Test Pressure NA SRD 3-26-92 psi Temperature NA F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD, MECH. MODS Date 3-26-92

ANII ~~NA Charles R. Arnold, CE~~ Organization N/A Date ~~4-1-92~~ 12/7/95
B. Earnest 12/7/95

[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
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-098 SRD 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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 1-62A-537 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6"; AZ. 14°18', R= 48'-0"
6.(B) 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
6.(F) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)
6.(G) Year built 19 NA SRD 3-26-92 Code Class [ ] 1 [ ] 2
6.(H) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
7. ASME Code Stamped [ ] Yes [X] No
8. 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-11794-D, DCA PO4591-82, -83 & -84
9. Tests Conducted: SRD 3-26-92 [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA psi Temperature NA F

Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN / MECH. MODS SRD Date 3-26-92
Organization

ANII B. Earnight Date 6/24/92

Sheet Nos. filled in by ISI programs.
[c] Work performed by certificate holder (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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Page IX-131

* LUGS TO PIPE WELDS MADE PER CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA. SRD 3-26-92



1-62A-539
1-62A-620

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-099 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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) TWO (2") PIPE SUPPORT 1-62A-539 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG, EL. 712'; AZ. 53°; R= 451'-6"
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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] 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 SRD 3-26-92
Test Pressure NA SRD 3-26-92 psi Temperature NA F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required SRD

Responsible Engr SCOTTY DICKEN / MECH. MODS Date 3-26-92
ANII ~~NA Charles Armech, QE~~ Organization N/A Date ~~4-10-92~~ PME 12/7/95
B Carmichael 12/7/95

[a] Sheet Nos. filled in by ASI programs.
[b] 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

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-100 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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 47A406-7-5 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 704', AZ. 83°7'30", R= 57'-1 1/4
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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed PIPE SUPPORT 47A406-7-5 DELETED PER DCA P04591-108-0
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[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN, MECH. MODS Date 3-26-92

ANII ~~NA Charles R. Hynek, QE~~ Organization N/A Date ~~4-10-92~~ B Earnigh 12/7/95 ASME 12/7/95

[a] Sheet Nos. filled in by ISI programs.
For work performed by certificate holder
[d] Replacement (modification)
[e] When required by Construction Code
eplaced (like or equivalent)



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APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-102 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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
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[c] [X] Replacement[d]
6.(H) 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 DCA PO4591-133-0, -134-0 AND SK 406-7 SH.36
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-26-92 psi Temperature NA SRD 3-26-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SRD SCOTTY DICKEN / MECH. MODS Date 3-26-92
Organization

ANII B. Earnest Date 6/4/92

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Sheet Nos. filled in by ISI programs.
k performed by certificate holder
d (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code

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* ANCHOR TO PIPE WELD MADE PER CODE OF RECORD ASME SECTION III, 1971 EDITION THROUGH THE 1973 SUMMER ADDENDA.
SRD 3-26-92

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. KP04591A-1
Date 3-26-92
Report Tracking No. 92-103 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 3-26-92

4. Identification of system 062 CHEMICAL AND VOLUME CONTROL
4.(a) Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 3-26-92 Code Case NA SRD 3-26-92
4.(b) Applicable Edition of Section XI utilized for repairs or replacements
1980-Winter 1981 Addenda
4.(c) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT 47A406-7-139 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-6 3/16"; AZ 54°; R= 45'-5"
4.(d) Name of manufacturer BERGEN PATERSON
Address of manufacturer (if known) NA SRD 3-26-92
4.(e) Manufacturer's Serial Number NA SRD 3-26-92
4.(f) National Board Number (if applicable) NA SRD 3-26-92
4.(g) Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6.(A)

4.(h) Year built 19 NA SRD 3-26-92 Code Class [ ] 1 [ ] 2
4.(i) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
4.(j) ASME Code Stamped [ ] Yes [X] No
5. Brief description of repair or replacement work performed INSTALLED SUPPORT 47A406-7-139 STRUCTURAL MATERIAL AND STRUT ASSEMBLY PER DCA P04591-115-0
6. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other SRD 3-26-92
Test Pressure NA SRD 3-26-92 psi Temperature NA F
7. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-26-92
Organization
ANII B. Earnsh Date 6/4/92

WORKPLAN KP04591A-1
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[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] (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. KP045591A-1
Date 3-26-92
Report Tracking No. 92-104 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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 47A406-7-141 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 710'-5 7/8"; AZ 440; R= 57'-1 1/2"
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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed INSTALLED PIPESUPPORT 47A406-7-141 STRUCTURAL MATERIAL, 2-SNUBBERS (2440) AND FRICTION ANCHOR PER DCA 1204591-117-0
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[e]. [ ] Yes [X] None Required

Responsible Engr SRD Scotty Dickson / MECH. MODS Date 3-26-92
Organization
NDE B. Earnsly Date 6/4/92 WORKPLAN KP0459A-1
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[a] filled in by ISI programs.
[b] performed by certificate holder (like or equivalent)
[c] Replacement (modification)
[e] When required by Construction Code

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP04591A-1
Date 3-26-92
Report Tracking No. 92-105 3/26/92
Unit 1
Sheet[a] 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[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 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 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 47A406-7-142 ORIGINALLY INSTALLED IN THE CONTAINMENT BLDG., EL. 711'-6", AZ. 59°, R= 48'
Name of manufacturer BERGEN PATERSON
Address of manufacturer (if known) NA 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[c] [X] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed INSTALLED SUPPORT 47A406-7-142 STRUCTURAL MATERIAL, (2) SNUBBERS (2440) AND FRICTION ANCHORS PER DCA PO4591-118
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-26-92 psi Temperature NA SRD 3-26-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-26-92
Organization
ANII B. Eamigh Date 6/4/92

[a] Nos. filled in by ISI programs.
[b] performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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47A406-7-146 47A406-7-147 47A406-7-1-97

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. KP04591A-1
Date 3-26-92
Report Tracking No. 92-106 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA SRD 3-26-92
Authorization No.[b] NA SRD 3-26-92
Expiration Date[b] NA SRD 3-26-92

Identification of system 062 CHEMICAL AND VOLUME CONTROL
Applicable Construction Code AISC 19 73
Edition JUNE 1973 Addenda NA SRD 3-26-92 Code Case NA SRD 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 47A406-7-147 ORIGINALLY INSTALLED IN THE CONTAINMENT, EL. 711'-1 7/16", AZ. 44°, R=56'-2 3/16"
Name of manufacturer NA SRD 3-26-92
Address of manufacturer (if known) NA SRD 3-26-92
Manufacturer's Serial Number NA SRD 3-26-92
National Board Number (if applicable) NA SRD 3-26-92
Other identification (Subassembly number, heat number, etc.) SEE BLOCK 6(A)

Year built 19 NA SRD 3-26-92 Code Class [ ] 1 [ ] 2
[ ] Repaired [ ] Replaced[c] [X] Replacement[d]
ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed INSTALLED SUPPORT 47A406-7-147 STRUCTURAL MATERIAL PER DCA P04591-120-0
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure NA SRD 3-26-92 psi Temperature NA SRD 3-26-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr SCOTTY DICKEN SRD / MECH. MODS Date 3-26-92
Organization
ANII B Eumph Date 6/4/92

[a] filled in by ISI programs.
[b] performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



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APPENDIX D
Page 1 of 1

WORKPLAN KP05698A-2

**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[a] 2 of 1
Unit 1
Report Tracking No. 92-108
3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A
Expiration Date[b] N/A
4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A
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 #2200-3R6, BRACKETS #2003-3R3
6(B). Name of Manufacturer BERGEN PATERSON
Address of Manufacturer (if known) BOSTON MASS
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.)
HEAT # 84103, 3286
6(F). Year Built REPLACE STRUTS 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☐ No ☒
7. Brief description of repair or replacement work performed.
REPLACED STRUTS & BRACKETS PER DCN P-05698-A & W.P. K-P05698A-2
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A psi Test Temperature N/A F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
Responsible Engr [signature] / MEA Date 9-17-90
Organization

ANII B. Earnigh Date 6/3/92

[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 G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP05698 A-2
Date 3-27-92
Report Tracking No. 92-109 3/27/92
Unit 1
Sheet[a] 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[b] N/A 3.27.92
Authorization No.[b] N/A 3.27.92
Expiration Date[b] 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 P/N 6202-1.5 MODIFY SUPPORT 1074.1-RHR R16

6.(B) Name of manufacturer BERGEN PATERSON
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 NOS
A197052, AND A136176

6.(F) Year built 19 90 Code Class [ ] 1 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

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[e]. [ ] Yes [ ] None Required

Responsible Engr [signature], MODS Date 3/27/92
Organization

ANII B. Earnigh Date 6/3/92

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[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

KP05698A-2

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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
Date 9-17-90

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] 1 of 1
Unit 1
Report Tracking No. 92-110 3/26/92

3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] NA 050391
Authorization No.[b] NA 050391
Expiration Date[b] NA 050391

4. Identification of System 074, RHR, 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-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#2252-4 R2
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 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#2C822AG01

6(F). Year Built STRUT REPLACED 1990

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

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 9-17-90 psi Test Temperature N/A 9-17-90 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
9-17-90

Responsible Engr Charles Wilson MEA Date 9-17-90
Organization

ANII B Earnest Date 6/3/92

[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 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 3/26/92
Unit 1
Sheet[a] 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[b] N/A 3.27.92
Authorization No.[b] N/A 3.27.92
Expiration Date[b] 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 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) 3.27.92 PIPE SUPPORT 1074-1RHR-R28 MODIFY SUPPORT RIGID STRUT P/N 2252-12 ; 12" PIPE CLAMP P/N 6202-12

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.) ~~MODIFIED~~ 3.27.92 3.27.92 SYSN 74 6 A 136163, A129563, A 128883, A128901, A 134766

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

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] No

7. Brief description of repair or replacement work performed MODIFIED SUPPORT PER DCA P05698-49-0 ~~MODIFIED~~ 3.27.92 BY INSTALLING ITEMS 1-5

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

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature], MODS Date 3/27/92
Organization

ANII B. Earnigh Date 6/3/92

[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 D
Page 1 of 1

WORKPLAN KP0569BA-2

**SUMMARY REPORT-FORM NIS-2 ATTACHMENT** Page IX-262

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 8-17-90

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] 1 of 1
Unit 1
Report Tracking No. 92-112 3/27/92
Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A ~~JAN~~ 8-17-90
Expiration Date[b] N/A ~~JAN~~ 8-17-90

3. Work Performed by: TVA
Company
P.O. Box 2000
Address
Spring City, TN.
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 ~~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"TS6X3, 3/8"TS6X4, 10GA SHT. 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#S 75999 (3/8"TS6"X4"), 038029 (3/8"TS6"X3"), 160888 (10 GAUGE)

6(F). Year Built 1990

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

6(H). 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 ~~JAN~~ 8-17-90) Applicable manufacturer's data report[e] to be attached.

Responsible Engr [signature] Date 3/27/92
Organization

ANII B. Earnest Date 6/3/92

[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.

WORKPLAN KP05698A-2

APPENDIX D
Page 1 of 1

Page IX-284

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

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[a] 1 of 1
Unit 1
Report Tracking No. 92-113 3/27/92

3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN.
City and State
Type Code Symbol Stamp[b] N/A
Authorization No.[b] N/A
Expiration Date[b] N/A

4. Identification of System 074, RHR, 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 - 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-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 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# 2C8ZZAG01

6(F). Year Built NEW SUPPORT 1990

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

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 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
9-17-90

Responsible Engr [signature] MEA Date 9-17-90
Organization

ANII B. Earnest Date 6/3/92

[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.

WORKPLAN KP05693A-2

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**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

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[a] 1 of 1
Unit 1
Report Tracking No. 92-1A 8/26/92
3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A
P.O. BOX 2000
Address
Authorization No.[b] N/A
SPRING CITY TN.
City and State
Expiration Date[b] N/A
4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A CW III 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-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 CW III 9-17-90
6(D). National Board Number (if applicable) N/A CW III 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT # PL 1X8X0'-8" (2C8Z2AG01)
6(F). Year Built REBUILT 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
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 CW III 9-17-90 psi Test Temperature N/A CW III 9-17-90 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
CW III 9-17-90
Responsible Engr Charles Allison MEA Date 9-17-90
Organization

ANII B. Earnest Date 6/3/92

[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.

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WORKPLAN K-P05698A-2

**SUMMARY REPORT-FORM NIS-2 ATTACHMENT** Page IX-308

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

2. (Plant) Watts Bar Nuclear Plant
P. O. Box 2000
Spring City, Tennessee
Sheet[a] 1 of 1
Unit 1
Report Tracking No. 92-115 3/26/92

3. Work Performed by: T.V.A.
Company
P.O. BOX 2000
Address
SPRING CITY, TN.
City and State
Type Code Symbol Stamp[b] N/A 5-27-92
Authorization No.[b] N/A 5-27-92
Expiration Date[b] N/A 5-27-92

4. Identification of System 074, RHR, ASME CLASS 2

5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A cw III 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, 8" CLAMP # 2600-7 R5 PL 3/8, TS 3X3X1/4, PL 3/4, 1/2" ϕ MAXIBOLTS

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 cw III 9-19-90

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

6(E). Other Identification (subassembly number, heat number, etc.)
HEAT # 2C882AG01, 42266791, 149575, M88262, W87621

6(F). Year Built 1990

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☐ No ☒

7. Brief description of repair or replacement work performed.
REBUILT SUPPORT PER DCN P-0598-A & W.P. K-P05698A-2

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

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
cw III 9-19-90

Responsible Engr [signature] MEA Date 9-19-90
Organization

ANII B. Eamon Date 6/3/92

[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
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WORKPLAN KP05698A-2

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-338

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[a] 1 of 1
Unit 1
Report Tracking No. 92-116 3/26/92

3. Work Performed by: TVA
Company
Type Code Symbol Stamp[b] N/A 3/27/92
P.O. BOX 2000
Address
Authorization No.[b] N/A 3/27/92
SPRING CITY, TN.
City and State
Expiration Date[b] N/A 3/27/92

4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A CW III 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 CW III 9-17-90
6(D). National Board Number (if applicable) N/A CW III 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT # PL½ 8X8 (SB85530)
6(F). Year Built REPLACED STRUT & CLAMP 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
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-P05698A-2
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A CW III 9-17-90 psi Test Temperature N/A CW III 9-17-90 °F
9. Remarks: NONE

(N/A) CW III 9-17-90 Applicable manufacturer's data report[e] to be attached.
Responsible Engr [signature] / MEA Date 9-17-90
Organization

ANII [signature] Date 6/3/92

[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.

WORKPLAN KP0560984-2

APPENDIX D
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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[a] 1 of 1
Unit 1
Report Tracking No. 92-117 3/26/92
Type Code Symbol Stamp[b] NA/HW 050391
Authorization No.[b] NA/HW 050391
Expiration Date[b] NA/HW 050391

3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY TN.
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 cw III 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 RO & PL 1 X 13" X 13"
6(B). Name of Manufacturer BERGEN PATERSON
Address of Manufacturer (if known) BOSTON, MASS.
6(C). Manufacturer's Serial Number N/A cw III 9-17-90
6(D). National Board Number (if applicable) N/A cw III 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT # PL1"X13"X13" (M88262)
6(F). Year Built REBUILT 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☐ No ☒
7. Brief description of repair or replacement work performed.
REPLACED STRUT, CLAMP & ANCHORS PER DCN-P-0509-A
W.P. K-P05609A-1
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A cw III 9-17-90 psi Test Temperature N/A cw III 9-17-90 F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
cw III 9-17-90
Responsible Engr Charles W Wilmoth / MEA Date 9-17-90
Organization

ANII B. Earnsly Date 6/3/92

[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.



74-1RHR-R88

APPENDIX G
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SUMMARY REPORT

WORKPLAN KP05698A-2

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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. KP05698 A.2
Date 3/27/92
Report Tracking No. 92-118 3/26/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 3/27/92
Authorization No.[b] N/A 3/27/92
Expiration Date[b] 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 N/A 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) PIPE 1074-1RHR-R89, MODIFY SUPPORT RIGID STRUT P/N 2100-7, 8" PIPE CLAMP P/N 2600-7
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 SYS'S #'s A199055, A136172, A105589, A128860
6.(F) Year built 1990 Code Class [ ] 1 [✓] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
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[e]. [ ] Yes [ ] None Required

Responsible Engr [signature], MODS Date 3/27/92
Organization

ANII B. Eumagh Date 6/3/92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

74-1RHR-V41

74-1RHR-R089

APPENDIX G
Page 1 of 1
SUMMARY REPORT

WORKPLAN KP05698A-2

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FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP05698A-2
Date 3-27-92
Report Tracking No. 92-119 3/26/92
Unit 1
Sheet[a] 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[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

4. Identification of system 074 RHR ASME 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) DELETE SUPPORT 74-1RHR-R209 BY REMOVING STRUT, CLAMP, BASE PLATE AND ANCHOR BOLTS

6.(B) Name of manufacturer BERGEN PATTERSON

Address of manufacturer (if known) BOSTON MASS

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.) STRUT P/N 2340

6.(F) Year built 19 90 Code Class [ ] 1 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

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/A 3-27-92 psi Temperature _____ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature] T MOUS Date 3/27/92

* ANII Bonk 4/8/96 NA Charles R. Bonk, QE Date 4-23-92 Bonk 4/8/96

[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

* B. Earnigh 4/8/96

APPENDIX D
Page 1 of 1

## 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[a] 1 of 1
Unit 1
Report Tracking No. 92-120 3/26/92
Type Code Symbol Stamp[b] NA 2/HA050391
Authorization No.[b] NA 2/HA050391
Expiration Date[b] NA 2/HA050391

3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
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 cw III 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
STRUT 2252-4R/2 RIDGID STRUT ASS'Y & CLAMP 6175-4 R1-8"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 cw III 9-17-90
6(D). National Board Number (if applicable) N/A cw III 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT # 2C822AG01, STRUT PART# 2252-4, CLAMP PART# 6175-4
6(F). Year Built STRUT & CLAMP REPLACED 1990
6(G). Repaired ☐ Replaced ☒[c] Replacement ☐[d]
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 cw III 9-17-90 psi Test Temperature N/A cw III 9-17-90 °F

9. Remarks: NONE

(N/A) cw III 9-17-90 Applicable manufacturer's data report[e] to be attached.
Responsible Engr Charles W. Stewart MEA Date 9-17-90
Organization

ANII B. Earnigh Date 6/3/92

[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.

74-1RHR-V41



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APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

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

WID No. 1CPD5698A-2
Date 3-27-92
Report Tracking No. 92-122 3/28/92
Unit 1
Sheet[a] 1 of 1

Type Code Symbol Stamp[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

Identification of system 074 RHR ASME 2
) Applicable Construction Code ASC 19 73
Edition JUNE 73 Addenda N/A 3-27-92 Code Case N/A 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) 47A060-63-72 SUPPORT 40", 20" & 30" SS PIPE, SS RD 1/2" AND 1"
) Name of manufacturer N/A 3-27-92 SDR 5/30/92
Address of manufacturer (if known) N/A 3-27-92
) Manufacturer's Serial Number N/A 3-27-92
) National Board Number (if applicable) N/A 3-27-92
) Other identification (Subassembly number, heat number, etc.) 22802, B3220, L30265, B7828 HEAT NOS.
) Year built 19 90 Code Class [ ] 1 [✓] 2
) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
) ASME Code Stamped [ ] Yes [✓] No
Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS 1-5
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-27-92 psi Temperature _____ F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr _____ / MODS Date 2-27-92
Organization
ANII _____ Date 6/3/92

WORKPLAN KPD5698A-2
Page 11

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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~~ASME SECTION III, 1971 EDITIONS WITH ADDENDA THROUGH SUMMER 1971~~
SDR 5/30/92
~~N/A 3-27-92~~

WORKPLAN KP05692A-2
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**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

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[a] 1 of 1
Unit 1
Report Tracking No. 92-124
3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] NA
Authorization No.[b] NA
Expiration Date[b] NA
4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A
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 47A060-63-76, ADD NEW SUPPORT. TS 6X6X1/4, NPS HEAVY FRICTION ANCHOR GFAH-2" Ø M-650, 4" Ø SCH40 PIPE
6(B). Name of Manufacturer NPS INDUSTRIES
Address of Manufacturer (if known) SECAUCUS, NEW JERSEY
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.)
6(F). Year Built NEW SUPPORT 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 psi Test Temperature N/A F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
Responsible Engr MEA Date 9-17-90
Organization
ANII B. Earnest Date 6/3/92

[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.



47A060-74-23
47A432-2-6
47A432-2-7

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**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

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[a] 1 of 1
Unit 1
Report Tracking No. 92-125 3/28/92
3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
City and State
Type Code Symbol Stamp[b] NA & HP 050391
Authorization No.[b] NA & HP 050391
Expiration Date[b] NA & HP 050391
4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A CW III 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 47A060-74-23, ADD NEW SUPPORT TS 4X4X1/2, PL3/4X8X0'-11", 1/2"Ø MAXI BOLTS, PL1"X12X1'-0", NPS HEAVY FRICTION ANCHOR GFAH-2" M650
6(B). Name of Manufacturer NPS INDUSTRIES & TVA
Address of Manufacturer (if known) SECAUCUS, NEW JERSEY
6(C). Manufacturer's Serial Number N/A CW III 9-17-90
6(D). National Board Number (if applicable) N/A CW III 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT# T82948, 422504110, A154017 NFAH-2"
6(F). Year Built NEW SUPPORT 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 CW III 9-17-90 psi Test Temperature N/A CW III 9-17-90 °F
9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.
CW III 9-17-90
Responsible Engr [signature] MEA Date 9-17-90
Organization

ANII B. Earnigh Date 6/3/92

[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.

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**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[a] 1 of 1
Unit 1
Report Tracking No. 92-126 3/28/92

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

Type Code Symbol Stamp[b] NA & HW 050391
Authorization No.[b] NA & HW 050391
Expiration Date[b] NA & HW 050391

4. Identification of System 074, RHR, ASME CLASS 2
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A CWTT 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"Ø SCH 40 PIPE, 2"Ø SCH 40 PIPE, PL 1/2 X 3 X 0'-3", 3/4"Ø PIPE STRAP
6(B). Name of Manufacturer TVA
Address of Manufacturer (if known) SPRING CITY, TN.
6(C). Manufacturer's Serial Number N/A CWTT 7-16-90
6(D). National Board Number (if applicable) N/A CWTT 7-16-90
6(E). Other Identification (subassembly number, heat number, etc.)
6(F). Year Built SUPPORT ADDED 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 CWTT 7-16-90 psi Test Temperature N/A CWTT 7-16-90 °F
9. Remarks: ~~ASME~~ SDR 6/1/92 * 4" PIPE TO 8" PIPE Weld (See Below)

(N/A) Applicable manufacturer's data report[e] to be attached.
CWTT 7-16-90
Responsible Engr [signature] MEA NC Date 7-16-90
Organization

ANII B. Earnest Date 6/3/92

[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.
* ASME SECTION III, 1971 EDITION, WITH ADDENDA Through Summer 71. SDR 6-1-92

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47A432-2-7

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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[a] 1 of 1
Unit 1
Report Tracking No. 92-127 5/28/92
Type Code Symbol Stamp[b] ~~NA KAU 050311~~
Authorization No.[b] ~~NA KAU 050311~~
Expiration Date[b] ~~NA KAU 050311~~

3. Work Performed by: TVA
Company
P.O. BOX 2000
Address
SPRING CITY, TN
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 CWIII 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 #47A432-2-7. ADD NEW SUPPORT. 4"Ø SCH 40 * PIPE, 2"Ø SCH 40 PIPE, PL 1/2 X 3X3", 3/4"Ø 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 CWIII 9-17-90
6(D). National Board Number (if applicable) N/A CWIII 9-17-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT# B3320, B4184-1D, 411P3471
6(F). Year Built ADD NEW SUPPORT 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 CWIII 9-17-90 psi Test Temperature N/A CWIII 9-17-90 °F
9. Remarks: ~~NONE~~ SDR 6-1-92 * 4" PIPE Weld To 8" PIPE (see Below)

(N/A) Applicable manufacturer's data report[e] to be attached.
CWIII 9-17-90
Responsible Engr [signature] MEA Date 9-17-90
Organization

ANII B. Earnigh Date 6/3/92

[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.

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ASME SECTION III, 1971 EDITION, WITH ADDENDA Through Summer 1971

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KPD 5698 A.2
Date 3.28.92
Report Tracking No. 92-128 3/29/92
Unit 1
Sheet[a] 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[b] N/A SD 3.28.92
Authorization No.[b] N/A SD 3.28.92
Expiration Date[b] N/A SD 3.28.92

4. Identification of system 074 RHR ASME 2

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 73 Addenda N/A SD 3.28.92 Code Case N/A SD 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) PIPE SUPPORT HMA435-1-51 PIPE SUPPORT TS 3X3 1/4 RE 13/16" R 1/2" S/B ANCHORS

6 Name of manufacturer N/A SD 3.28.92
Address of manufacturer (if known) N/A SD 3.28.92

6.(C) Manufacturer's Serial Number N/A SD 3.28.92

6.(D) National Board Number (if applicable) N/A SD 3.28.92

6.(E) Other identification (Subassembly number, heat number, etc.) SNS'S A215751, 226281 A197098, A232145, A105597, A225967, A080006

6.(F) Year built 19 90 Code Class [ ] 1 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] No

7. Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS 1-8 AND MOD TO EXISTING SUPPORT HMA435 1-1

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A SD 3.28.92 psi Temperature _____ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature] MOD S Date 3.28.92
Organization

ANII B. Earnigh Date 6/3/92

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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74-1RHR-R3

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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. KPD 5698 A-2
Date 3.28 92
Report Tracking No. 92-129 3/28/92
Unit 1
Sheet[a] 1 of 1

3. Work performed by JVA
Company
P.O BOX 2000
Address
SPRING CITY TENN
City and State

Type Code Symbol Stamp[b] N/A SD 3.28.92
Authorization No.[b] N/A SD 3.28.92
Expiration Date[b] N/A SD 3.28.92

4. Identification of system 074 RHR ASME 2

5.(A) Applicable Construction Code A15C 19 73
Edition JUNE 73 Addenda N/A SD 3.28.92 Code Case N/A SD 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" PL. 3/4" PL

Name of manufacturer N/A SD 3.28.92

Address of manufacturer (if known) N/A SD 3.28.92

6.(C) Manufacturer's Serial Number N/A SD 3.28.92

6.(D) National Board Number (if applicable) N/A SD 3.28.92

6.(E) Other identification (Subassembly number, heat number, etc.) ~~CONSTRUCT NEW~~ SD 3.28.92
SBS A 130521. A108907. A128884. & A 154012

6.(F) Year built 19 90 Code Class [ ] 1 [✓] 2

6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [✓] No

7. Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS 1-5

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A SD 3.28.92 psi Temperature _____ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature] / MOD S Date 3.28.92
Organization

ANII B. Earnest Date 6/3/92

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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. 92-130 3/28/92
Unit 1
Sheet[a] 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[b] N/A 3-28-92
Authorization No.[b] N/A 3-28-92
Expiration Date[b] N/A 3-28-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 3-28-92 Code Case N/A 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' AZ 301" 2'2½" S/W
Name of manufacturer N/A 3-28-92
Address of manufacturer (if known) N/A 3-28-92
6.(C) Manufacturer's Serial Number N/A 3-28-92
6.(D) National Board Number (if applicable) N/A 3-28-92
6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)
6.(F) Year built 19 N/A 3-28-92 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 FABRICATED AND INSTALLED PER DCR P05707-27-0
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-28-92 psi Temperature N/A 3-28-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis, Mod Date ~~3-27-92~~ 3-28-92
Organization

ANII B. Earnigh Date 5/31/92

[a] Nos. filled in by ISI programs.
[b] Stamp performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-132 3/28/92
Unit 1
Sheet[a] 1 of 1

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b] N/A 3-28-92

3. Work performed by T.V.A.
Company
P.O. BOX. 2000
Address
SPRING CITY, TN.
City and State

Authorization No.[b] N/A 3-28-92

Expiration Date[b] N/A 3-28-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 3-28-92 Code Case N/A 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 OR19. INST. IN THE AUX. BLDG. EL. 722'.3" 25'6 5/8" W/A7 2'5" S/W

6.(B) Name of manufacturer N/A 3-28-92
Address of manufacturer (if known) N/A 3-28-92

6.(C) Manufacturer's Serial Number N/A 3-28-92

6.(D) National Board Number (if applicable) N/A 3-28-92

6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

6.(F) Year built 19 N/A 3-28-92 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 FABRICATED AND INSTALLED PER DCN-P05707-20-0

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-28-92 psi Temperature N/A 3-28-92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date ~~3-27-92~~ 3-28-92 3-28-92
Organization

ANII B. Earnigh Date 5/31/92

[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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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-133 3/28/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 3-28-92

Authorization No.[b] N/A 3-28-92

Expiration Date[b] N/A 3-28-92

1. Identification of system RESIDUAL HEAT REMOVAL
2. Applicable Construction Code AISC 1973
3. Edition JUNE 1973 Addenda N/A 3-28-92 Code Case N/A 3-28-92
4. Applicable Edition of Section XI utilized for repairs or replacements
Summer-Winter 1981 Addenda
5. 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. ELEV. 722'3" 2'8" W/A5 12'½" S/V
6. Name of manufacturer N/A 3-28-92
7. Address of manufacturer (if known) N/A 3-28-92
8. Manufacturer's Serial Number N/A 3-28-92
9. National Board Number (if applicable) N/A 3-28-92
10. Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

11. Year built 19 N/A 3-28-92 Code Class [ ] 1 [ ] 2
12. [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
13. ASME Code Stamped [ ] Yes [X] No
14. Brief description of repair or replacement work performed FABRICATED AND INSTALLED PER DCA-P05707-21-0
15. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-28-92 psi Temperature N/A 3-28-92 F
16. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date 3-28-92
Organization

ANII B. Earnigh Date 5/31/92

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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 3/28/92
Unit 1
Sheet[a] 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[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
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) 3" PIPE SUPPORT # 1074-A433-18-13 ORIG. INST. IN AUX. BLDG. 722' 3" 13"0½" W/AS 9'5 LL 3-27-92
6.(B) Name of manufacturer N/A LL 3-27-92
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 N/A LL 3-27-92 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 Removed and Void Support per. DCA. P05707-19-0
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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date 3-27-92
Organization

ANII B. Eumigh Date 5/31/92

[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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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 3/28/92
Unit 1
Sheet[a] 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[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

Identification of system RESIDUAL HEAT REMOVAL
(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 3-27-92 Code Case N/A 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-R134 ORIGINALLY INST. IN AUXE BLDG. EL. 691' ON 1' N/W 5'11 E/AS
(B) Name of manufacturer N/A 3-28-92
Address of manufacturer (if known) N/A 3-27-92
(C) Manufacturer's Serial Number N/A 3-27-92
(D) National Board Number (if applicable) N/A 3-27-92
(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

(F) Year built 19 N/A 3-27-92 Code Class [ ] 1 [ ] 2
(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed Removed EXISTING SUPPORT AND RE-INSTALL NEW SUPPORT PER DCR PC5707-01-0 & 02-0
Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-27-92 psi Temperature N/A 3-27-92 F
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / mod Date ~~3-27-92~~ 3-28-92
Organization
ANII B Earnest Date 5/31/92

[a] filled in by ISI programs.
[b] performed by certificate holder
[c] placed (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-136 3/28/92
Unit 1
Sheet[a] 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[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
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) LL 3-27-92 3" PIPE SUPPORT # 1063-63-1515-R185
ORIGINALLY INST. IN AUX. BLDG. ELC 697'11" 5' E/A5 1-4V
6.(B) Name of manufacturer N/A LL 3-28-92
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 N/A LL 3-27-92 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 CLAMP & SNUBBER REMOVED
REPLACE WITH STRUT PER DCA P05707-03-0E04-0
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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lund / mod Date ~~3-27-92~~ LL 3-28-92 3-28-92
Organization
ANII B. Earnest Date 5/31/92

[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

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-137 3/28/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
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 #74-1RHR-R184 ORIGINALLY INST AUX. BLDG. EL 734'0 1/2" 6'8- N/A4 7 3/8 W/AS
6.(B) Name of manufacturer N/A LL 3-27-92
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 N/A LL 3-27-92 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 REMOVED CLAMP AND STANCHIONS RESEAL MECH. SLEEVES AND WORK IN CONJUNCTION WITH MSR. 74-1RHI PER DCA-P05707-09-0
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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / mod Date ~~3-27-92~~ LL 3-28-92 3-28-92
Organization

ANII B. Eumgh Date 5/31/92

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[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

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-138 3/28/92
Unit 1
Sheet[a] 1 of 1

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

Type Code Symbol Stamp[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

3. Work performed by T.V.A.
Company
P.O. BOX. 2000
Address
SPRING CITY, TN.
City and State

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code ASC 1973
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
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 N/A LL 3-27-92 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 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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date 3-27-92
Organization
ANII B. Earnigh Date 5/31/92

[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
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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 3/28/92
Unit 1
Sheet[a] 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[b] N/A LR 3-27-92
Authorization No.[b] N/A LR 3-27-92
Expiration Date[b] N/A LR 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL

5.(A) Applicable Construction Code AISC 1973
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) 2" PIPE SUPPORT # 1074-74-1RHR-R191
ORIGINALLY INST. IN AUX. BLDG. EL. 728'6" 2' W/PS 9¼ S/V

6.(B) Name of manufacturer N/A LR 3-28-92
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 19 N/A LR 3-27-92 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 FABRICATED AND INSTALLED
NEW PORTION OF SUPPORT PER DCA-P05707-15-1 & 16-1

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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date ~~3-27-92~~ LR 3-28-92
Organization
ANII B. Eamigh Date 5/31/92 3-28-92

[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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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

(Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-140 3/28/92
Unit 1
Sheet[a] 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[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

Identification of system Residual Heat Removal
(A) Applicable Construction Code AISC 1973
Edition June 1973 Addenda N/A 3-27-92 Code Case N/A 3-28-92
(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) 2" Pipe Support # 1074-74-1RHR-V186 Orig. Inst. in Aux Bldg. EL. 734'0½" 1-10" U/AS 6'8" N/A4
(D) Name of manufacturer N/A 3-27-92
Address of manufacturer (if known) N/A 3-27-92
(E) Manufacturer's Serial Number N/A 3-27-92
(F) National Board Number (if applicable) N/A 3-27-92
(G) Other identification (Subassembly number, heat number, etc.) See Block 6-(A)
(H) Year built 19 N/A 3-27-92 Code Class [ ] 1 [ ] 2
[ ] Repaired [ ] Replaced[c] [X] Replacement[d]
ASME Code Stamped [ ] Yes [X] No
(I) Brief description of repair or replacement work performed Removed Voided Support Per DCA P05707-12-0, & 13-0
(J) Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-27-92 psi Temperature N/A 3-27-92 F

Remarks None

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / Mod Date 3-27-92
Organization
ANII B. Eamon Date 5/31/92

[a] Filled in by ISI programs.
[b] Performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



1062-A-1
1074-74-1RHR-V186
1063-63-1515-R184

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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. 92-141 5/28/92
Unit 1
Sheet[a] 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[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 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) 2" PIPE SUPPORT #1074-74-1RHR-R187 ORIG. IN AUX BLDG. EL. 129'-0 1/4" 6'6" N/U 1'6" W/A5
Name of manufacturer N/A 3-27-92
Address of manufacturer (if known) N/A 3-27-92
6.(C) Manufacturer's Serial Number N/A 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.) See BLOCK 6-(A)
6.(F) Year built 19 N/A 3-27-92 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 Removed AND voided Support PER DCA-P05707-14-0
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-27-92 psi Temperature N/A 3-27-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / MOD Date 3-27-92
Organization
ANII B Carmichael Date 5/31/92

5/15/92 515

[a] Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code



1063-63-1515-R194

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

TENNESSEE VALLEY AUTHORITY
Nuclear Power

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

WID No. KP05707A-1
Date 3-27-92
Report Tracking No. 92-142 3/28/92
Unit 1
Sheet[a] 1 of 1

Performed by T.V.A.
Company
P.O. BOX 2000
Address
SPRING CITY, TN.
City and State

Type Code Symbol Stamp[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

Identification of system RESIDUAL HEAT REMOVAL
Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A LL 3-27-92 Code Case N/A LL 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 0219. IN AUX. BLDG. ELEV. 733' 0 5/8" 1'10 13/16 S/W 1'11 5/8 S/W
Name of manufacturer N/A LL 3-27-92
Address of manufacturer (if known) N/A LL 3-27-92
Manufacturer's Serial Number N/A LL 3-27-92
National Board Number (if applicable) N/A LL 3-27-92
Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

Year built 19 N/A LL 3-27-92 Code Class [ ] 1 [ ] 2
[ ] Repaired [ ] Replaced[c] [X] Replacement[d]
ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed Removed SPRING CANS Rods AN CLAMP AND DELETE HANGER PER DCA P05707-17-0
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
Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / mod Date 3-27-92
Organization
ANII B. Earnigh Date 5/31/92

[a] Sheet Nos. filled in by ISI programs.
[b] 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. KP05707A-1
Date 3-27-92
Report Tracking No. 92-143 3/28/92
Unit 1
Sheet[a] 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[b] N/A LL 3-28-92
Authorization No.[b] N/A LL 3-28-92
Expiration Date[b] N/A LL 3-28-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A LL 3-28-92 Code Case N/A LL 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 3/8" 2'2 1/2" S/W A2 301"
6.(B) Name of manufacturer N/A LL 3-28-92
Address of manufacturer (if known) N/A LL 3-28-92
6.(C) Manufacturer's Serial Number N/A LL 3-28-92
6.(D) National Board Number (if applicable) N/A LL 3-28-92
6.(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)
6.(F) Year built 19 N/A LL 3-28-92 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 Removed SNUBBER
AND INSTALLED New SUPPORT PER DCA P05707-23-1, 24-1, & 25-1
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A LL 3-28-92 psi Temperature N/A LL 3-28-92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis / 3-28-92 Mod Date ~~3-27-92~~ LL 3-28-92
Organization
ANII B. Earnigh Date 5/31/92 3-28-92

Sheet Nos. filled in by ISI programs.
[a] Work performed by certificate holder
[b] Replaced (like or equivalent)
[c] 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. KP05707A-1
Date 3-27-92
Report Tracking No. 92-144 3/28/92

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

Unit 1
Sheet[a] 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[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

4. Identification of system RESIDUAL HEAT REMOVAL
5.(A) Applicable Construction Code AISC 1973
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) 3" PIPE SUPPORT # 1063-63-ISIS-R193
ORIGINALLY INST. IN AUX. BLDG. EL. 690' 9½" / 5'6" W/AS 12'9" S/V
6.(B) Name of manufacturer Bergen Paterson
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 N/A LL 3-27-92 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 Removed Unused SUPPORT AND DELETE HANGER. PER DCA - PUS707-05-0 & 06-0
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[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewis, Mod Date 3-27-92
Organization
ANII B. Eamigh Date 5/31/92

Nos. filled in by ISI programs.
k performed by certificate holder
Replaced (like or equivalent)

[d] Replacement (modification)
[e] When required by Construction Code

APPENDIX G
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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 3/28/92
Unit 1
Sheet[a] 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[b] N/A LL 3-27-92
Authorization No.[b] N/A LL 3-27-92
Expiration Date[b] N/A LL 3-27-92

Identification of system RESIDUAL HEAT REMOVAL
(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A LL 3-27-92 Code Case N/A LL 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-R197 ORIGINALLY INST IN AUX. Bldg. EL. 710' 3½ 12'9 S/4 5'6" W MS
Name of manufacturer BERGEN PATERSON
Address of manufacturer (if known) N/A LL 3-27-92
(C) Manufacturer's Serial Number N/A LL 3-27-92
(D) National Board Number (if applicable) N/A LL 3-27-92
(E) Other identification (Subassembly number, heat number, etc.) See BLOCK 6-(A)

(F) Year built 19 N/A LL 3-27-92 Code Class [ ] 1 [ ] 2
(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
(H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed Removed Voided SUPPORT AND DELETE HANGER - PER DCA P05707-07 & 08
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

Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Leonard Lewin / mod Date 3-27-92
Organization
ANII B. Earnigh Date 5/31/92

[a] Sheet Nos. filled in by ISI programs.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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1063-63-1515-R184

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

WID No. KPD 5698 A-2
Date 3-28-92
Report Tracking No. 92-146 3/30/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A SD 3-28-92
Authorization No.[b] N/A SD 3-28-92
Expiration Date[b] N/A SD 3-28-92

4. Identification of system 074 RHR ASME 2
5.(A) Applicable Construction Code AISC 1973
Edition JUNE 73 Addenda N/A SD 3-28-92 Code Case N/A SD 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 68-1515-R27-TS 4x4 1 CX6 R 3/4" R 1/2" UNDERLUG ANCHORS 5/8"
B) Name of manufacturer N/A SD 3-28-92
Address of manufacturer (if known) N/A SD 3-28-92
6.(C) Manufacturer's Serial Number N/A SD 3-28-92
6.(D) National Board Number (if applicable) N/A SD 3-28-92
6.(E) Other identification (Subassembly number, heat number, etc.) SNS#S A128903 A136545 A130521 A134764 A026680 A128884 A128487 A104425
6.(F) Year built 19 90 Code Class [ ] 1 [✓] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [✓] No
7. Brief description of repair or replacement work performed REMOVE EXISTING SUPPORT CONSTRUCT NEW SUPPORT FROM ITEMS 1-7*
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A SD 3-28-92 psi Temperature _____ F
9. Remarks SDR 6/1/92 ~~None~~ * LUGS TO PIPE Welding performed. (see Below)

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature] MOD S Date 3-28-92
Organization

ANII B. Earnest Date 6/3/92

[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

* ASME SECTION III 1971 EDITION WITH ADDENDA THROUGH SUMMER 71
3-28-92

WORKING COPY KPD5698A-2

Page

PAGE 520 OF 564

APPENDIX D
Page 1 of 1

WORKPLAN KP05698A-2
Page IV 40

**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 7-16-90

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 92-147 5/30/92
Type Code Symbol Stamp[b] NA & NP 050391

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

Authorization No.[b] NA & NW 050391
Expiration Date[b] NA & NW 050391

4. Identification of System 074, RHR, CLASS 2 ASME
5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A CW III 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 47A060-63-74, ADD NEW SUPPORT
*4"Ø PIPE SCH40, PL 1/2 X 6 X 0'-6", TS 4 X 4 X 3/8", HEAVY FRICTION ACHOR GFAH-1" MG50
(B). Name of Manufacturer TVA
Address of Manufacturer (if known) SPRING CITY, TN.
(C). Manufacturer's Serial Number N/A CW III 7-16-90
6(D). National Board Number (if applicable) N/A CW III 7-16-90
6(E). Other Identification (subassembly number, heat number, etc.)
HEAT# B3320, Z54904
6(F). Year Built SUPPORT ADDED IN 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☐[d]
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 CW III 7-16-90 psi Test Temperature N/A CW III 7-16-90 °F
9. Remarks: SDR 6/1/92 ~~NONE~~ 4" PIPE TO 12" PIPE Weld (ATTACHMENT SUPPORT) SEE BELOW

(N/A) CW III 7-16-90 Applicable manufacturer's data report[e] to be attached.
Responsible Engr Charles W. Whitmire MEA-NC Date 7-16-90
Organization
ANII B. Earnest Date 6/3/92

[a] Sheet Nos. filled in by Testing and Diagnostic Programs Branch.
[b] Work performed by certificate holder
[c] Replaced (like or equivalent).
[d] Replacement (modification).
[e] Required by Construction Code.
SECTION III, 1971 EDITION WITH ADDENDA Through Summer 1971

SDR 6/1/92

47A060-63-7
47A060-74-23
47A432-2-6
47A432-2-7
47A060-63-75
47A060-63-8

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. KP05695A2
Date 3-27-92
Report Tracking No. 92-148 3/30/92
Unit
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 3-27-92
Authorization No.[b] N/A 3-27-92
Expiration Date[b] N/A 3-27-92

Identification of system DH RHR ASME CLASS II

A) Applicable Construction Code ASME 1973
Edition JUNE 73 Addenda N/A 3-27-92 Code Case N/A 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) 4-7A660-63-73 1/2" SS PIPE AND CS TUBE STEEL.

B) Name of manufacturer N/A 3-27-92
Address of manufacturer (if known) N/A 3-27-92
C) Manufacturer's Serial Number N/A 3-27-92
D) National Board Number (if applicable) N/A 3-27-92
E) Other identification (Subassembly number, heat number, etc.) HT NO 215868 TE AND 1/2" PE 22802

F) Year built 1990 Code Class [ ] 1 [X] 2
G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
H) ASME Code Stamped [ ] Yes [X] No
Brief description of repair or replacement work performed CONSTRUCT NEW SUPPORT FROM ITEMS # 1-3

Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 3-27-92 psi Temperature F

Remarks SDR 6/11/92 ~~N/A~~ * PLATE TO PIPE WELDING WAS performed. (SEE BELOW)

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr [signature], MDDS Date 3-27-92
Organization

ANII B Eamigh Date 6/3/92

WORKPLAN KP05695A2
Page 1/1

[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



ASME SECTION III, 1971 EDITION WITH ADDENDA THROUGH SUMMER 1971 3-27-92

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 3/30/92

2. (Address) P.O. Box 2000
SPRING CITY TN.
N/A TDA 3-28-92

Sheet 1 of N/A TDA 3-28-92
Unit #1
WID No. KP04683A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A TDA 3-28-92

P.O. BOX 2000
Address

Authorization No.[2] N/A TDA 3-28-92

SPRING CITY TN.
City and State

Expiration Date[2] N/A TDA 3-28-92

4. Identification of system 03A, FEED-WATER ASME CLASS 2

5. (A) Applicable Construction Code AISC
JUNE 1973 Addenda N/A TDA 3-28-92 Code Case N/A TDA 3-28-92 1973 Edition

5. (B) Applicable Edition of Section XI utilized for repairs or replacements
1980 Winter 1981 Addenda TDA 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 TDA 3-28-92

6. (D) National Board Number (if applicable) N/A TDA 3-28-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A TDA 3-28-92

6. (F) Year built N/A TDA 3-28-92 Code Class 1 [ ] 2 [✓]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [✓]

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 P04534-78,-79,-80 AND UNDER WP KP04683A-1

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]
Nominal operating pressure [ ] Other [ ]
Pressure N/A TDA 3-28-92 psi Test Temperature N/A TDA 3-28-92 F

9. Remarks: NONE TDA 3-28-92

TDA 3-28-92 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] / MECH MODS Date 3-28-92

*ANII Organization ~~N/A BME 5/31/92~~ BME 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. Earnigh 4/8/96

APPENDIX E
Page 1 of 1

WORKPLAN KP04683A-1

Summary Report
Form NIS-2 Attachment

Page IX-182

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 3-28-92
Report Tracking Number 92-150 8/30/92

2. (Address) P.O. Box 2000
SPING CITY TN
~~N/A TDA 3-28-92~~

Sheet 1 ___ of ___ N/A TDA 3-28-92
Unit # 1
WID No. KP04683A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A TDA 3-28-92

P.O. BOX 2000
Address

Authorization No.[2] N/A TDA 3-28-92

SPRING CITY TN.
City and State

Expiration Date[2] N/A TDA 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 TDA 3-28-92 Code Case N/A TDA 3-28-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements
1980 Winter 1981 Addenda TDA 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 9/16".

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

6. (C) Manufacturer's Serial Number N/A TDA 3-28-92

6. (D) National Board Number (if applicable) N/A TDA 3-28-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A TDA 3-28-92
N/A TDA 3-28-92

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

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [✓]

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 8/30/92)

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ]
Nominal operating pressure [ ] Other [ ]
Pressure N/A TDA 3-28-92 psi Test Temperature N/A TDA 3-28-92 F

9. Remarks: NONE TDA 3-28-92

PAGE 524 OF 564

TDA 3-28-92 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] MECH MODS Date 3-28-92
Organization

ANII B. Earnest Date 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

1003A-1-03A-471 1003A-1-03A 470

APPENDIX E
Page 1 of 1

WORKPLAN KP04683A-1

Summary Report
Form NIS-2 Attachment

Page IX-186A

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 3-28-92 3/31/92
Report Tracking Number 92-~~33~~151 3/30/92

2. (Address) P.O. Box 2000
Spring City TN
~~N/A~~ 3-28-92

Sheet 1 of N/A 3-28-92
Unit #1
WID No. KP04683A-1

3. Work performed by: TVA
Company

Type Code Symbol Stamp[2] N/A 3-28-92

P.O. Box 2000
Address

Authorization No.[2] N/A 3-28-92

Spring City TN
City and State

Expiration Date[2] N/A 3-28-92

4. Identification of system FEED WATER (03A) ASME CLASS 2

5. (A) Applicable Construction Code AISC 1973 Edition
JUNE 1973 Addenda N/A 3-28-92 Code Case N/A 3-28-92

5. (B) Applicable Edition of Section XI utilized for repairs or replacements
1980 Winter 1981 Addenda 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 3-28-92

6. (D) National Board Number (if applicable) N/A 3-28-92

6. (E) Other identification (Subassembly number, heat number, etc.) N/A 3-28-92
N/A 3-28-92

6. (F) Year built N/A 3-28-92 Code Class 1 [ ] 2 [✓]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [✓]

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 3-28-92 psi Test Temperature N/A 3-28-92 F

9. Remarks: NONE

3-28-92 (N/A) Applicable Manufacturer's Data Report[5] to be attached.

Prepared by [signature] / MECH MODS Date 3-28-92
Organization
* ANII ~~N/A ASME 5/31/92~~ 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. Earnigh 4/8/96

APPENDIX K
Page 1 of 1

WORKPLAN KP04683A-1

Page IX-128a

Summary Report
Form NIS-2 Attachment

1. (Owner) Tennessee Valley Authority
Nuclear Power

Date 3-31-92
Report Tracking Number 92-152 4/1/92

2. (Address) P.O. BOX 2000
SPRING CITY TN
N/A AGC 3-31-92

Sheet 1 ___ of ___
Unit 1
WID No. KP04683A-1

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

Type Code Symbol Stamp[2] N/A AGC 3-31-92
Authorization No.[2] N/A AGC 3-31-92
Expiration Date[2] N/A AGC 3-31-92

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[3] [ ] Replacement[4] [ ]

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[5] to be attached.

Prepared by Alton G. Clamon / MODIFICATIONS Date 3-31-92
Organization

ANII B Earnest ~~N/A BMC 5/31/92~~ BMC 12/7/95 Date 12/7/95

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 KP04683A-1

APPENDIX E
Page 1 of 1

Page IX-31a

Summary Report
Form NIS-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 AGC 3-31-92

Sheet [1] ___ of ___
Unit 1
WID No. KP04683A-1

3. Work performed by: TVA
Company
P.O. BOX 2000
Address AGC 3-31-92
SPRING CITY TN
City and State

Type Code Symbol Stamp[2] N/A AGC 3-31-92
Authorization No.[2] N/A AGC 3-31-92
Expiration Date[2] N/A AGC 3-31-92

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 1003A-1-03A-371
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[3] [✓] Replacement[4] [ ]

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 AGC 3-31-92 psi Test Temperature N/A AGC 3-31-92 F

9. Remarks: NONE

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

Prepared by Alton G. Colegrove / MODIFICATIONS Date 3-31-92
Organization

* ANII ~~N/A BMC 5/31/92~~ 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. Earnigh 4/8/96

APPENDIX E
Page 1 of 1

WORKPLAN KP04683A-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 4/1/92

2. (Address) P.O. BOX 200
SPRING CITY, TN
N/A AGC 3-

Sheet 1 ___ of ___
Unit 1
WID No. KP04683A-1

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

Type Code Symbol Stamp[2] N/A AGC 3-31-92
Authorization No.[2] N/A AGC 3-31-92
Expiration Date[2] N/A AGC 3-31-92

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) ~~DELETE~~ SUPPORT AGC 3-31-92
1003A-1-03A-446

6. (B) Name of manufacturer ~~N/A~~ TVA AGC 3-31-92
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 ~~MODIFIED~~ 1990 (DELETED) AGC 3-31-92 Code Class 1 [ ] 2 [✓]

6. (G) Repaired [ ] Replaced[3] [ ] Replacement[4] [✓]

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

7. Brief description of repair or replacement work performed: DELETE
SUPPORT 1003A-1-03A-446

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[5] to be attached.

Prepared by Alton G. Colangon / MODIFICATIONS Date 3-31-92
Organization

* ANII ~~N/A BPNC 5/31/92~~ BNC 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. Earnigh 4/8/96

Pg 4 Cont. on Pg 5

TVA NUCLEAR WATTS BAR
JUL 15 1992

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

COPY

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 4/30/92
Unit 1
Sheet[a] 1 of 1

Type Code Symbol Stamp[b] N/A GDB 4/30/92
Authorization No.[b] N/A GDB 4/30/92
Expiration Date[b] N/A GDB 4/30/92

4. Identification of system 63 SIS, Safety Injection System
5.(A) Applicable Construction Code ASME 1973
Edition June 1973 Addenda N/A GDB 4/30/92 Code Case N/A GDB 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 8.
6.(B) Name of manufacturer N/A GDB 4/30/92
Address of manufacturer (if known) N/A GDB 4/30/92
6.(C) Manufacturer's Serial Number N/A GDB 4/30/92
6.(D) National Board Number (if applicable) N/A GDB 4/30/92
6.(E) Other identification (Subassembly number, heat number, etc.) ALSO TAGGED AS 1063-1-63-129
6.(F) Year built 19 N/A GDB 4/30/92 Code Class [ ] 1 [X] 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 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 GDB 4/30/92 psi Temperature N/A GDB 4/30/92 F
9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] I MODS Date 4/30/92
Organization
ANII [signature] 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

~~PAGE 4 CONT. ON PG. 5~~

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

5-7-92

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-04640-01
Date 5/6/92
Report Tracking No. 92-156 5/7/92

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

Unit 1
Sheet[a] 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[b] N/A GOB 5/4/92
Authorization No.[b] N/A GOB 5/4/92
Expiration Date[b] N/A GOB 5/4/92

4. Identification of system 63/SAFETY INJECTION SYSTEM

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A GOB 5/4/92 Code Case N/A GOB 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, AZ 323°, R=51'-0", EL 731'-0".

6.(B) Name of manufacturer N/A GOB 5/4/92
Address of manufacturer (if known) N/A GOB 5/4/92

6.(C) Manufacturer's Serial Number N/A GOB 5/4/92

6.(D) National Board Number (if applicable) N/A GOB 5/4/92

6.(E) Other identification (Subassembly number, heat number, etc.) NONE

6.(F) Year built 19 N/A GOB 5/4/92 Code Class [ ] 1 [X] 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 RELOCATED TUBE STEEL FOR GREATER CLEARENCE PER DCA-D04640-03-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A GOB 5/4/92 psi Temperature N/A GOB 5/4/92 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] / MODS Date 5/6/92
Organization

ANII B. Earnest Date 6/12/92

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[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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TVA NUCLEAR

MAY 1 0 1992

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

PAGE 3B, CONT'D ON 4

~~PG 3B CONT. ON PG 4~~

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-05724-01
Date 5/7/92
Report Tracking No. 92-157
Unit 1
Sheet[a] 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[b] N/A
Authorization No.[b] N/A
Expiration Date[b] 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 A5 + 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 19 N/A Code Class [ ] 1 [X] 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 ADDED PLATES TO TUBE STEEL & CHANGED VERTICAL CLEARENCE WITH SHIMS PER DCA-P05724-03-0.

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

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] I MODS Date 5/7/92
Organization

ANII [signature] Date 7/15/92

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[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

TVA NUCLEAR

MAY 1 0 1992

APPENDIX G
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SUMMARY REPORT

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5-9-92
5-10-92

FORM NIS-2 ATTACHMENT

WID No. D-05724-01
Date 5/7/92
Report Tracking No. 92-158 5/8/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A 5/4/92
Authorization No.[b] N/A 5/4/92
Expiration Date[b] N/A 5/4/92

4. Identification of system (A) 74-RHR/63-SIS-SAFETY INJECTION SYSTEM
5.(A) Applicable Construction Code ASME 1973
Edition JUNE 1973 Addenda N/A 5/4/92 Code Case N/A 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'-3 1/4" 5'-6" W OF A5 + 12'-8 1/4" S OF V. PIPE SUPPORT NO 63-SIS-RMS
.(B) Name of manufacturer N/A 5/4/92
Address of manufacturer (if known) N/A 5/4/92
.(C) Manufacturer's Serial Number N/A 5/4/92
.(D) National Board Number (if applicable) N/A 5/4/92
.(E) Other identification (Subassembly number, heat number, etc.) N/A 5/7/92
.(F) Year built 19 N/A 5/4/92 Code Class [ ] 1 [X] 2
.(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]
.(H) ASME Code Stamped [ ] Yes [X] 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 5/4/92 psi Temperature N/A 5/4/92 F
. Remarks (A) ANALYSIS PROBLEM NUMBER N3-74-09A, RHR-RESIDUAL HEAT REMOVAL SYSTEM.

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] MODS Date 5/7/92
Organization
ANII [signature] Date 7/15/92

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 3A CONT'D ON PG 3B

~~PG 3A CONT ON PG 3B~~

5-9-92

5-10-92

TVA NUCLEAR

MAY 1 0 1992

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. D-05724-01
Date 5/7/92
Report Tracking No. 92-159 5/8/92
Unit 1
Sheet[a] 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[b] N/A 5/4/92
Authorization No.[b] N/A 5/4/92
Expiration Date[b] N/A 5/4/92

Identification of system 74/63 — SAFETY INJECTION SYSTEM

(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 5/4/92 Code Case N/A 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'-1½" W OF A5 + 10" N OF V IN AUX. BLDG.

(B) Name of manufacturer N/A 5/4/92
Address of manufacturer (if known) N/A 5/4/92

(C) Manufacturer's Serial Number N/A 5/4/92

(D) National Board Number (if applicable) N/A 5/4/92

(E) Other identification (Subassembly number, heat number, etc.) N/A 5/7/92

(F) Year built 19 N/A 5/4/92 Code Class [ ] 1 [X] 2

(G) [ ] Repaired [ ] Replaced[c] [X] Replacement[d]

(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-P05724-04-0 + DCA-P05724-05-0.

8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A 5/4/92 psi Temperature N/A 5/4/92 F

9. Remarks ANALYSIS PROBLEM NUMBER N3-74-09A, RHR-RESIDUAL HEAT REMOVAL SYSTEM

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] / MODS Date 5/7/92
Organization

ANII B. Earnigh Date 7/15/92

[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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WATTS BAR MAY 1 1 1992

APPENDIX G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-05713-01
Date 5/10/92
Report Tracking No. 92-160 5/11/92
Unit 1
Sheet[a] ____ 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, TENNESSEE
City and State

Type Code Symbol Stamp[b] N/A 5/10/92
Authorization No.[b] N/A 5/10/92
Expiration Date[b] N/A 5/10/92

4. Identification of system 074/RHR SYSTEM / 072 - CONTAINMENT SPRAY
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'-9½"
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 19 N/A 5/10/92 Code Class [ ] 1 [X] 2
6.(G) [X] Repaired [ ] Replaced[c] [ ] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [X] No
7. Brief description of repair or replacement work performed ADDED WELD METAL PER DCA-P05713-08-0 (SHIM PLATES)
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure ____ psi Temperature ____ F
9. Remarks
N/A 5/10/92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Jimmy W Steele 5/10/92 MODS Date 5/10/92
Organization
ANII B Campbell Date 6/16/92

[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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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 5/11/92
Unit 1
Sheet[a] 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[b]
Authorization No.[b] NA 5-10-92 JR
Expiration Date[b]

4. Identification of system SYS-63, 10"Φ PIPE ASME CLASS. 1

5.(A) Applicable Construction Code AISC 19 73
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'

(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[c] [ ] Replacement[d]

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[e]. [ ] Yes [✓] None Required

Responsible Engr James Rizzi 5-10-92 MECHMODS Date 5-10-92
Organization

ANII B. Earnest Date 5/8/96

[a] Sheet Nos. filled in by ISI programs.
[b] If work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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APPENDIX D
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WORKPLAN K-P03579A-3

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**SUMMARY REPORT-FORM NIS-2 ATTACHMENT**

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

Date 9/12/90

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

Sheet[a] 1 of ~~2~~ JR 5-15-92
Unit 1
Report Tracking No. 92-162 CW 5/15/92

3. Work Performed by: TVA
Company

Type Code Symbol Stamp[b]

WATTSBAR NUCLEAR PLANT
Address

Authorization No.[b] NA JR 5-15-92

P.O. BOX 2000, SPRING CITY TN.
City and State

Expiration Date[b]

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 #1, including 12 ea Hex Head Bolts (2.00" x 8" long) (P/N 6941C93H01) 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 - 2D74702G01

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 ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☒ No ☒ CW 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 ☐ Other ☐
Pressure _____ psi Test Temperature _____ °F

9. Remarks: * Hydrostatic test was performed by the manufacturer as attested to on the attached Quality Release E-85524

(✓) Applicable manufacturer's data report[e] to be attached.

Responsible Engr C W Williams / NSSS Date 9/12/90
Organization

ANII [signature] Date 5/15/92

[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

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WORKPLAN K-P03579A-3
Page IX-231

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 9/12/90

Sheet[a] ____ of ____
Unit 1
Report Tracking No. 92-163 CW 5/15/92
Type Code Symbol Stamp[b] ____
Authorization No.[b] ____
Expiration Date[b] NA JR 5-15-92

3. Work Performed by: TVA
Company
WATTSBAR NUCLEAR PLANT.
Address
P.O. BOX 2000. SPRING CITY TN.
City and State
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 #2, including 12 ea Hex Head Bolts (2" x 8" long) (P/N 6941C93H01) CW 5/15/92 Dwg 1T4E921 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 2354-2D74702G01
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 ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☒ No ☒ CW 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 ☐ Other ☐
Pressure ____ psi Test Temperature ____ °F
9. Remarks: * Hydrostatic test was performed by the manufacturer as attested to on the attached Quality Release E-85525

(✓) Applicable manufacturer's data report[e] to be attached.
Responsible Engr C Williams / NSSS Date 9/12/90
Organization

ANII [signature] Date 5-15-92

[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 ...

APPENDIX D
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WORKPLAN K-P03579A-3

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

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1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

Date 9/12/90

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

Sheet[a] ____ of ____
Unit 1

3

3. Work Performed by: TVA
Company

Report Tracking No. 92-164 CW 5/15/92

WATTSBAR NUCLEAR PLANT
Address

Type Code Symbol Stamp[b] ____

Authorization No.[b] NA JR 5-15-92

P.O. BOX. 2000, SPRING CITY, TN.
City and State

Expiration Date[b] ____

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 #3, including 12 ea Hex Head Bolts (2" x 8" long) (P/N 6941C93H01) CW 5/15/92 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 2355-2D74702G01

6(D). National Board Number (if applicable) N/A JR 5-15-92

6(E). Other Identification (subassembly number, heat number, etc.) NA 5-15-92
NA 5-15-92

6(F). Year Built 1989

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☒ No ☒ CW 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[e] to be attached.

Responsible Engr CWilliams / NSSS Date 9/12/90
Organization

ANII [signature] Date 5-15-92

[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

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WORKPLAN K-P03579A-3

SUMMARY REPORT-FORM NIS-2 ATTACHMENT Page IX-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[a] ____ of ____
Unit 1
Report Tracking No. 92-165 CW 5/15/92

3. Work Performed by: TVA
Company
WATTSBAR NUCLEAR PLANT.
Address
P.O. BOX 2000, SPRING CITY TN.
City and State

Type Code Symbol Stamp[b] ____
Authorization No.[b] NA JR 5-15-92
Expiration Date[b] ____

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 694IC93H01) cw 5/15/92 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) 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 ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☒ No ☒ CW 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 ☐ Other ☐
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[e] to be attached.
Responsible Engr C Williams / NSSS Date 9/12/90
Organization

ANII [signature] Date 5-15-92.

[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 G
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SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D04642-02
Date 5-19-92
Report Tracking No. 92-166 5/14/92
Unit 1
Sheet[a] 1 of 2
Page 16 cont. on Page ~~[illegible]~~

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[b] NA RLF 5-19-92
Authorization No.[b] NA RLF 5-19-92
Expiration Date[b] 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
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: AZ 38° EL. 728'-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[c] [✓] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [✓] No
7. Brief description of repair or replacement work performed ADDED 1/2" THK. STIFFENER PLATES TO EXISTING W6X25 STRUCTURAL MEMBER PER DCN-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[e]. [ ] Yes [✓] None Required

Responsible Engr [signature], MECH MODS Date 5-19-92
Organization
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. D04642-02
Date 5-19-92
Report Tracking No. 92-167 5/19/92
Unit 1
Sheet[a] 2 of 2
Page 1D cont. on Page 1E

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[b] NA RLF 5-19-92
Authorization No.[b] NA RLF 5-19-92
Expiration Date[b] 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

6.(A) Name of component(s) and description (include size, capacity, material, and location as needed to aid in identification) 2" PIPE SUPPORT # 1063-1-63-388.
LOCATION: AZ 39°, 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[c] [ ] Replacement[d]

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 DCN-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[e]. [ ] Yes [✓] None Required

Responsible Engr [signature], MECH MODS Date 5-19-92
Organization

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

L2

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 5-27-92
Report Tracking No. 92-168 AJ 5/27/92
Unit 1
Sheet[a] ____ of ____

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

Type Code Symbol Stamp[b] N/A RR 5-27-92
Authorization No.[b] N/A RR 5-27-92
Expiration Date[b] N/A RR 5-27-92

Identification of system 063 SAFETY INJECTION, ASME - CLASS
Applicable Construction Code AISC 1973
Edition June 1973 Addenda N/A RR 5-27-92 Code Case N/A RR 5-27-92
Applicable Edition of Section XI utilized for repairs or replacements
0-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 3/4 X 1 1/2 X 1 1/2
Name of manufacturer TVA
Address of manufacturer (if known) SPRING CITY
Manufacturer's Serial Number N/A RR 5-27-92
National Board Number (if applicable) HT # 4-1767
Other identification (Subassembly number, heat number, etc.)

Year built 1990 Code Class [ ] 1 [ ] 2
[X] Repaired [ ] Replaced[c] [X] Replacement[d]
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 N/A RR 5-27-92 psi Temperature N/A RR 5-27-92 °F
Remarks

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [ ] None Required

Responsible Engr Leonard Lewis / Mods Date 5-27-92
Organization
B. Earnigh Date 4/8/96

[a] Filled in by ISI programs.
[b] Performed by certificate holder (or equivalent)
[d] Replacement (modification)
[e] When required by Construction Code

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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

WID No. K-P04683A-1
Date 6/1/92
Report Tracking No. 92-170 6/1/92
Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] N/A N.R.m. 6/1/92
Authorization No.[b] N/A N.R.m. 6/1/92
Expiration Date[b] N/A N.R.m. 6/1/92

4. Identification of system Feedwater (03) Asme Class 2
5.(A) Applicable Construction Code ASC 1973
Edition June 1973 Addenda N/A N.R.m. 6/1/92 Code Case N/A N.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. 729'-0", 19 1/8" 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 N.R.m. 6/1/92
6.(D) National Board Number (if applicable) N/A N.R.m. 6/1/92
6.(E) Other identification (Subassembly number, heat number, etc.) N/A N.R.m. 6/1/92
N/A N.R.m. 6/1/92
6.(F) Year built 1990 (New) Code Class [ ] 1 [✓] 2
6.(G) [ ] Repaired [ ] Replaced[c] [✓] Replacement[d]
6.(H) ASME Code Stamped [ ] Yes [✓] No
7. Brief description of repair or replacement work performed Fabricated and installed New Support per DCA-P04683-12-0
8. Tests Conducted: [ ] Hydrostatic [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure N/A N.R.m. 6/1/92 psi Temperature N/A N.R.m. 6/1/92 F
9. Remarks None N.R.m. 6/1/92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [✓] None Required

Responsible Engr N.R.m. / MOES Date 6/1/92
Organization
ANII B. Earnigh Date 6/1/92

[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



WORKPLAN K-P04683A-1

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WATTS BAR TVA NUCLEAR 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

WID No. D-05711-01
Date 5/30/92
Report Tracking No. 92-171 6/3/92
Unit 1
Sheet[a] ____ of ____

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

3. Work performed by TENN. VALLEY AUTHORITY
Company
P.O. BOX 2000
Address
SPRING CITY, TENNESSEE
City and State

Type Code Symbol Stamp[b] N/A 5-30-92
Authorization No.[b] N/A 5-30-92
Expiration Date[b] N/A 5-30-92

4. Identification of system 074 - RHR / 072 - CONTAINMENT SPRAY

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A 5-30-92 Code Case N/A 5-30-92

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 47A457-1-8, 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 5-30-92
Address of manufacturer (if known) N/A 5-30-92

6.(C) Manufacturer's Serial Number N/A 5-30-92

6.(D) National Board Number (if applicable) N/A 5-30-92

6.(E) Other identification (Subassembly number, heat number, etc.) T.S. 6 x 4 x 3/8" HT.# T86040

6.(F) Year built 19 N/A 5-30-92 Code Class [ ] 1 [X] 2

6.(G) [X] Repaired [ ] Replaced[c] [X] Replacement[d]

6.(H) ASME Code Stamped [ ] Yes [X] No

7. Brief description of repair or replacement work performed ADDED T.S. 6 x 4 x 3/8" (IT.7) KICKER TO EXISTING SUPPORT.

8. Tests Conducted: [ ] ~~Hydrostatic~~ N/A 5-30-92 [ ] 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[e]. [ ] Yes [X] None Required

Responsible Engr [signature] / MODS Date 5-30-92
Organization

ANII [signature] Date 7-22-92

FILE COPY

[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

WATTS BAR TVA NUCLEAR MAY 30 1992

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[a] ____ of ____

3. Work performed by TENN. VALLEY AUTHORITY
Company
P.O. BOX 2000
Address
SPRING CITY, TENNESSEE
City and State

Type Code Symbol Stamp[b] N/A MR 5-30-92
Authorization No.[b] N/A MR 5-30-92
Expiration Date[b] N/A MR 5-30-92

4. Identification of system 074 RHR

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A MR 5-30-92 Code Case N/A MR 5-30-92

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. 2H NUTS, IT. 5 (1) B.P. 5130 3/4"Ø WELDLESS EYE-NUT, IT. 11 (1) 3/4"Ø ROD A193 GR B7

6.(B) Name of manufacturer BERGEN-PATERSON
Address of manufacturer (if known) BOSTON MASS.

6.(C) Manufacturer's Serial Number N/A MR 5-30-92

6.(D) National Board Number (if applicable) N/A MR 5-30-92

6.(E) Other identification (Subassembly number, heat number, etc.) (IT. 11) 3/4"Ø ROD HT.# 886139

6.(F) Year built 19 N/A MR 5-30-92 Code Class [ ] 1 [X] 2

6.(G) ~~[X]~~ MR 5-30-92 Repaired [X] Replaced[c] [ ] Replacement[d]

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 MR 5-30-92
[ ] Nominal ~~operating~~ pressure [ ] Other
Test Pressure N/A psi ~~Temperature~~ ____ F

9. Remarks
N/A MR 5-30-92

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr [signature] / MODS. Date 5-30-92
Organization

ANII [signature] 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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WATTS BAR NUCLEAR PLANT
JUN 25 1992

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-04665-02
Date 6-25-92
Report Tracking No. 92-173 6/25/92
Unit 1
Sheet[a] 1 of ____

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[b] NA RPL 62592
Authorization No.[b] NA RPL 62592
Expiration Date[b] 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 #1063-63-1SIS-R48, Aux Bldg EL 698'-9 3/8", 8'-4" N/2, 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 (11) 3/4 X 4" X 7 1/16" A36 Plate, HT # 87621

6.(F) Year built 19 NA RPL 62592 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 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 F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Robert P Lee / MUDS (Mech/Civil) Date 6-25-92
Organization

ANII B. Earnest Date 6/8/92

[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

cont. on Page 7A



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JUN 25 1992

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-04665-02
Date 6-25-92
Report Tracking No. 92-174 6/25/92

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

Unit 1
Sheet[a] 1 of 1

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

Type Code Symbol Stamp[b] NA RPL 6/25/92
Authorization No.[b] NA RPL 6/25/92
Expiration Date[b] NA RPL 6/25/92

4. Identification of system SAFETY INJECTION SYSTEM, SYS 63

5.(A) Applicable Construction Code ASSC 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 #1063-63-1SIS-R43, AUX BLDG, EL 700'-0", 7'-7" N/W, 7'-0" E/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 Block 6 (A), ALSO ref DCA P04665-08-0, BOM item (12) 1/2"X4"X5" plate, A36 HT# 87140

6.(F) Year built 19 NA RPL 6-25-92 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 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[e]. [ ] Yes [X] None Required

Responsible Engr Robert P Lee / MODS (MECH/CIVIL) Date 6-25-92
Organization

ANII B. Earnest 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



Page 7A cont. on Page 7B

FILE COPY

WBN

JUL 07 1992

WATTS BAR

REPAIR/REPLACEMENT OF ASME
SECTION XI COMPONENTS

SSP-6.09
Revision 4
Page 27 of 47

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APPENDIX G
Page 1 of 1
SUMMARY REPORT

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 11/7/92
Unit 1
Sheet[a] ____ 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[b] NA DC 7-1-92
Authorization No.[b] NA DC 7-1-92
Expiration Date[b] 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 PO4642-03, 38, 39 & 40 BOM ITEM @ PL 1"x2"x4" LG A36 HT# 412T626

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 MODIFIED SUPPORT BY REPLACING CLAMP W/ ~~HARDWARE W/ PLATE & FRICTION 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[e]. [ ] Yes [ ] None Required

Responsible Engr Del Copeland / MODS (MECH/CIVIL) Date 7-1-92
Organization

ANII B. Earnhart Date 11/7/92

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[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

DTN 92-00005

APPENDIX G
Page 1 of 1
SUMMARY REPORT

FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No.
Date D-04642-03 7-7-92
Report Tracking No. 92-177 DD 7/7/92
Unit 1
Sheet[a] ____ 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[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 INJECTION 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 EL 716' AZ 142°

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 MSA 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
Organization

ANII B. Earnigh Date 11/7/92

[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

DTN 92-00005

WATTS BAR TVA NUCLEAR JUL 1 0 1992

APPENDIX G
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SUMMARY REPORT

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FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. D-046341-02
Date 7/10/92
Report Tracking No. 92-180 7/10/92
Unit 1
Sheet[a] 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[b] N/A 7/10/92
Authorization No.[b] N/A 7/10/92
Expiration Date[b] N/A 7/10/92

4. Identification of system 063 / 515

5.(A) Applicable Construction Code AISC 1973
Edition JUNE 73 Addenda N/A 7/10/92 Code Case N/A 7/10/92

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) 4"ϕ PIPE SUPPORT # 1063-1-63-407 RB#1 AZ 36° RAD 51'-10" ELEV 711'-0"

6.(B) Name of manufacturer N/A 7/10/92
Address of manufacturer (if known)

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[c] [X] Replacement[d]

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

7. Brief description of repair or replacement work performed ADDED SHIM PL 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[e]. [ ] Yes [X] None Required

Responsible Engr Jimmy W Hale MECH, MODS Date 7/10/92
Organization

ANII JS Erwin Date 7/13/92

[a] Sheet Nos. filled in by ISI programs.
[b] For work performed by certificate holder
[c] Replaced (like or equivalent)
[d] Replacement (modificati
[e] When required by Construction Code



DTN 92-00005

APPENDIX G
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SUMMARY REPORT

Po3A 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 7/10/92
Unit 1
Sheet[a] 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[b] N/A 7/10/92
Authorization No.[b] N/A 7/10/92
Expiration Date[b] N/A 7/10/92

4. Identification of system 063 / SIS

5.(A) Applicable Construction Code AISC 1973
Edition June 73 Addenda N/A 7/10/92 Code Case N/A 7/10/92

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) 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
Address of manufacturer (if known) N/A 7/10/92

6.(C) Manufacturer's Serial Number N/A 7/10/92

6.(D) National Board Number (if applicable) N/A 7/10/92

6.(E) Other identification (Subassembly number, heat number, etc.) DCA-P04634-10-0 (1-63-404)

6.(F) Year built 19____ Code Class [ ] 1 [X] 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 ADDED T.S. Kicker welded to Embedded pl.

8. Tests Conducted: [ ] Hydrostatic N/A 7/10/92 [ ] Pneumatic
[ ] Nominal operating pressure [ ] Other
Test Pressure _____ psi Temperature _____ F

9. Remarks NONE

Applicable Manufacturer's Data Report attached[e]. [ ] Yes [X] None Required

Responsible Engr Jimmy W Stack / MECH. MODS Date 7/10/92
Organization

ANII B Carmack Date 9/18/92

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[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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SUMMARY REPORT

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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 7/15/92
Unit 1
Sheet[a] 1 of 1

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[b]
Authorization No.[b] N/A ASL 7/13/92
Expiration Date[b]

4. Identification of system DEMIN. WATER 059 ASL 7/13/92

5.(A) Applicable Construction Code AISC STEEL CONST. TS MANUAL
Edition 7TH ~~Addenda~~ N/A ASL 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-A492-1-19 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[c] [X] Replacement[d]

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[e]. [ ] Yes [X] None Required

Responsible Engr [signature], MODS MECH Date 7/13/92
Organization

ANII B. Eisenmann Date 8/8/92

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[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

FILE COPY
WATTS BAR TVA NUCLEAR
JUL 13 1992

APPENDIX G
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SUMMARY REPORT
Page 6A cont. on Page 7 6B
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FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power

WID No. WP-D-16473-01
Date 7-13-91
Report Tracking No. 92-183 7/15/92
Unit 1
Sheet[a] 1 of 1

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[b] NA
Authorization No.[b] SDR 7-15-92
Expiration Date[b]

4. Identification of system DEMIN. WATER 059

5.(A) Applicable Construction Code AISC STEEL CONST. MAN. ASE 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" Φ 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[c] [X] Replacement[d]

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[e]. [ ] Yes [X] None Required

Responsible Engr [signature], MODS MECH Date 7/3/92
Organization

ANII B. Eggenschwiler Date 8/8/92

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[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

WATTS BAR TVA NUCLEAR JUL 13 1992

APPENDIX D
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K.P 04729A-1
PAGE 7-325

SUMMARY REPORT-FORM NIS-2 ATTACHMENT

1. (Owner) TENNESSEE VALLEY AUTHORITY
Nuclear Power
Date 2-17-92

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

Sheet[a] 1 of 1
Unit 1
Report Tracking No. 92-X004

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

Type Code Symbol Stamp[b] N/A GW 2-1-92
Authorization No.[b] N/A GW 2-1-92
Expiration Date[b] N/A GW 2-1-92

4. Identification of System 62 CVCS ASME CLASS 2

5(A). Applicable Construction Code AISC 1973
Edition JUNE 1973 Addenda N/A GW 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. BLDG
EL. 713 A6 U

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

6(C). Manufacturer's Serial Number N/A GW 2-1-92

6(D). National Board Number (if applicable) N/A GW 2-5-92

6(E). Other Identification (subassembly number, heat number, etc.) N/A GW 2-1-92

6(F). Year Built 1990

6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]

6(H). ASME Code Stamped Yes ☐ No ☒

7. Brief description of repair or replacement work performed.
INSTALL SUPPORT PER WPK-P04729A-1
N/A GW 2-1-92

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A GW 2-1-92 psi Test Temperature N/A GW 2-5-92 °F

9. Remarks: NONE

(N/A) Applicable manufacturer's data report[e] to be attached.

Responsible Engr [signature] 2-17-92 Date 2-17-92
Organization

ANII [signature] Date 4-10-92

[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 C
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# 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. MRA647967
N-5 No. N/A MEH 1/25/89
TRACKING # 94-406 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 MEH 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: RB1, AZ 70° E-54'9" el. 708'1"
Drawing: 48W1702-14 Sect. J14-J14

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 Replacemen 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 1-015R-CC01-01 C0,R0
Ref 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: H. Reinder Hartford Steam Boiler Inspection and Insurance Co
1117 Perimeter Center West, Suite E301 Atlanta, GA 30338

I. Date Work Completed: 1/18/89 ANII/AN 1-25-89

MD Hicks 1/25/89
Responsible Engineer Date

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# 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 10-7-85
System 3
TVA Class D
Work Instr. No. A-615704
N-5 No. N/A 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: N/A 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: 1½" PIPE HANGER FROM 16" FEED-WATER LINE.

C. Name of Manufacturer: N/A 10-7-85

D. Address of Manufacturer (if known): N/A 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 2X2X¼ TUBE STEEL BY WELDING SHORTENED DURING HANGER REMOVAL FOR INSPECTION (GAUGING PLUG)

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: N/A 10-7-85

H. ANI/ANII Name, Employer, AND Business Address: HUGO BOENDER, HARTFORD STEAM BOILER INSPECTION & INSURANCE CO, 1117 PERIMETER CENTER WEST SUITE E301, ATLANTA, GA 30338

I. Date Work Completed: 10-4-85

Tracking # 94-407 9/23/94

Responsible Engineer 10-7-85 Date

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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 N/A 1-9-89
System 3
TVA Class B
Work Instr. No. A-567864
N-5 No. N/A 1-9-89

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 1-9-89

B. Name of the Components AND Description (include size, capacity, material, and location)—these requirements may be satisfied by attaching an applicable drawing: Yoke Clamp # 1-03A-323

C. Name of Manufacturer: Bergen-Paterson

D. Address of Manufacturer (if known): 74 Commerce PO Box 4011, Woburn, MA 01888

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: BP617569 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 Replacement Nuts, U Bolt & Spacer Because Original Was Misplaced.

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: Post Replacement Exam Per TI 50A Inspections VT-3 & VT-4 (Ref N-VT-1)

H. ANI/ANII Name, Employer, AND Business Address: Hugh Brenden, The Hartford Steam Boiler Inspection & Insurance Co. 1117 Perimeter Center West Suite E301, Atl., GA 30338 HSB 2-14-89

I. Date Work Completed: 1-3-89

JAN 09 1989
Cms

Responsible Engineer 1-9-89 Date

Tracking # 94-408 9/23/

PAGE

# 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 062
TVA Class B
Work Instr. No. A-477173
N-5 No. N/A WH 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-891. WH 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-16 DATA SHT. B UPON COMPLETION OF WORK.

H. ANI/ANII Name, Employer, AND Business Address: [illegible] 12-11-87

I. Date Work Completed: 11-23-87

Ray A. Walch Jr. / 12-2-87
Responsible Engineer / Date

ISSUED
OCT 23 1987

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# 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 (CC1)
TVA Class B
Work Instr. No. WP-W10297-1
N-5 No. N/A BHH 5/13/87
TRACKING # 96-RR-004 lg 5/8/96

Furnish the following for the Repair or Replacement for the "As-Left" condition of the component (After field work is complete). (Indicate N/A for items which do NOT apply). Mark All Blanks

A. National Board Number of Repaired OR Replaced Component: W10286 (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 HELICOIL INSERTS (AMS 7245) (18-8 TYPE 302, 304) WESTINGHOUSE FOR WATM-10297

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: GO/NO GO 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

Barry H. Hooper 5/13/87
Responsible Engineer Date

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MR 633014
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# 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. MR#633014
N-5 No. N/A
TRACKING# 96-LR-005 5/8/96

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

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

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 W/ THREAD ON EACH REF N3C 912 SECT. 2.3.4-3 EAI 5.2.2 APP. H.

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: N/A

H. ANI/ANII Name, Employer, AND Business Address: HUGO BOENDER 6/24/89.
HARTFORD STEAM BOILER INSPECTION & INSURANCE Co, 1117 PERIMETER CENTER WEST, SUITE E301

I. Date Work Completed: 6/1/89

MAY 02 1989 JMB

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 07d
TVA Class B
Work Instr. No. A613910
N-5 No. N/A RAW 12-2-87
TRACKING # 96-RR-006 AG 5/8/96

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 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 ~~FOR~~ FOUND BY Q.C. IN PADDLE AND TROUBLE TAG# 19436 ATTACHED TO SUPPORT. REPLACEMENT OF DAMAGE PADDLE COMPLETED BY MR# A613910. RAW 12-2-87

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: INSPECTIONS PER MAI-16 DATA SHT. B.

H. ANI/ANII Name, Employer, AND Business Address: [illegible] 12/1/87
Hartford Steam Boiler I.&I. Co., Hartford, CT

I. Date Work Completed: 11-30-87

Ray A. Welch / 12-2-87
Responsible Engineer Date

ISSUED
OCT 23 1987

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APPENDIX C
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# 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 12-16-86
System 03
TVA Class B
Work Instr. No. MR#A-478272
N-5 No. N/A 12-16-86
TRACKING # 96-RR-007 5/8/96

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 12-16-86

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 & 1003A-1-03A-585

C. Name of Manufacturer: N/A 12-16-86

D. Address of Manufacturer (if known): N/A 12-16-86

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:
SNUBBER 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 SNUBBER DUE TO BEING OUT OF ALIGNMENT

G. Brief Description of Post Repair OR Replacement Tests AND Examinations (if required) by Instruction or Procedure Number: N/A 12-16-86

H. ANI/ANII Name, Employer, AND Business Address: HUGH BRENDER, HARTFORD STEAM BOILER INSPECTION & INSURANCE CO. 1117 PERIMETER CENTER WEST, SUITE E301 ATL. GA 30338 HSB 4/5/89

I. Date Work Completed: 12-15-88

Responsible Engineer 12-16-88 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
TRACKING # 96-RR-008

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: 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 dwg.)

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 CAQR WBP870875

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. Tilford
HSB I&I Co. 1117 Perimeter Ctr West Atlanta GA 30338
JPW 9-8-88 9-8-88

I. Date Work Completed: ~~4/14/88~~ 9-8-88

Larry E. Nuell 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[a] ____ of ____
Unit 1
Report Tracking No. 96-009

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

Type Code Symbol Stamp[b] N/A TWB 12-6-90
Authorization No.[b] N/A TWB 12-6-90
Expiration Date[b] N/A TWB 12-6-90

4. Identification of System Component Cooling 70 ASME Class 2
5(A). Applicable Construction Code AISC 19 73
Edition June 1973 Addenda N/A TWB 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 TWB 12-6-90
6(D). National Board Number (if applicable) N/A TWB 12-6-90
6(E). Other Identification (subassembly number, heat number, etc.) N/A TWB 12-6-90
6(F). Year Built Support Modified 1990
6(G). Repaired ☐ Replaced ☐[c] Replacement ☒[d]
6(H). ASME Code Stamped Yes ☐ No ☒
7. Brief description of repair or replacement work performed.
Modified Support per Work Plan K-P06108A-2/
DCA-P06108-15-0 & -16-0
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐
Nominal operating pressure ☐ Other ☐
Pressure N/A TWB 12-6-90 psi Test Temperature N/A TWB 12-6-90 °F
9. Remarks: No Test required

(N/A) Applicable manufacturer's data report[e] to be attached.
TWB 12-6-90
Responsible Engr Tony Brant / NC-MEA Date 12-6-90
Organization

ANII MB Chapman Date 11-4-91

[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.

# ENCLOSURE 2

# VOLUME 2

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|---|---|---|---|---|
| 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 | |

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|---|---|---|---|---|
| 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 | MOIDFIED 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 |

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|---|---|---|---|---|
| 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. | |

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|---|---|---|---|---|
| 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. |
| 2- 255 | D-04515-05 | 1001-400- 7- 31 | MODIFY SUPPORTS | ALSO MODIFIES 1001-A400-07-039 AND -047. |

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|---|---|---|---|---|
| 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. |
| 2- 276 | D-14941-20 | 1070-060-70- 16 | DRILLED AND REAMED OUT HOLES IN REAR PLATE. | THIS TRACKING NUMBER MISTAKENLY ISSUED TWICE. |

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|---|---|---|---|---|
| 92- 277 | D-06108-02 | 1070-464-20- 3 | INSTALLED NEW BASE PLATE, ADDED WELDS, RESET SPRING CAN. | ALSO AFFECTS SUPPORTS 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. | |

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|---|---|---|---|---|
| 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 PLATE. | Also affects 1062-1-62A-876 |
| 26 | D-04667-11 | 1063-63-1SIS-R274 | MODIFIED SUPPORT | ALSO AFFECTS SUPPORTS 1063-63-1SIS-R281, -V132, -V134 AND -V136. |

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|---|---|---|---|---|
| 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. |

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|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|
| 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 SNUBBER, 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. |
| - 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. |

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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. |

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|---|---|---|---|---|
| 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 | 1063-63-1SIS-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. |
| [illegible]- 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. |

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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. |

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| 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. |

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| 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-A450-22-1DO-8 AND 1067-A450-22-1Z-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 | |

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| 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 STIFFENENR (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. |

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| NIS-2 TRACKING NUMBER | WORK IMPLEMENTING DOCUMENT NUMBER | AFFECTED COMPONENT | DESCRIPTION OF REPAIR/REPLACEMENT | COMMENTS |
|---|---|---|---|---|
| 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 | |

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|---|---|---|---|---|
| 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. | |

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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, AND1001-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 | |

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|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|
| 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 | |
| [illegible]- 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. |

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|---|---|---|---|---|
| 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 | |

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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 | |

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|---|---|---|---|---|
| 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 | |

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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 | |
| - 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 NUMBER | 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 NUMBER | 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 | |

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- 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 ASI 7/20/92~~

PO.BOX 2000, SPRING CITY, TN 37381 (Address) — Authorization No.

Expiration Date

4. Identification of System ERCW 067

5. (a) Applicable Construction Code AISC. STEE CONST. MANUAL, 7TH EDITION ~~19~~ ~~Edition~~, ~~N/A ASI 7/20/92~~ ~~Addenda~~, N-308 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ~~N/A ASI~~ 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~~ ~~ASI 7/20/92~~ DELETED | Repaired, Replaced, or Replacement ~~DELETED~~ | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT 1067-A450-22-44 | TVA | 1067-A450 22-44 | NONE | NONE | 1992 | REPLACEMENT ~~DELETED~~ | NO |
| PIPE SUPPORT 1067-A450-22-45 | TVA | 1067-A450 22-45 | NONE | NONE | 1992 | REPLACEMENT ~~DELETED~~ | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

~~N/A ASI 7/20/92~~

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 ASI 7/20/92~~

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.

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FILE COPY

WP# D-16449-03 SHEET 2 OF 2

FORM NIS-2 (Back)

9. Remarks SEE BLOCK NO. 7 FOR BOTH ITEMS.

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-185 7/21/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this DELETION (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 (Owner or Owner's Designee, Title) Date 7/20/, 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 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. Earnigh

Inspector's Signature

Commissions TN. 2534

National Board, State, Province, and Endorsements

Date 4/8/96 19

(12/82)

TVA NUCLEAR
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 Tennessee Valley Authority (Name) — Date 7-23-92
   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-04666-03 (Repair Organization P.O. No., Job No., etc.) 4Pr/96
3. Work Performed by TVA (Name) — Type Code Symbol Stamp ~~N/A RS 7-23-92~~
   P.O. Box 2000 Spring City, Tn. (Address) — Authorization No. ~~N/A~~
   Expiration Date
4. Identification of System 63/SIS
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, ~~N/A RS 7-23-92~~ 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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R57 | N/A RS 7-23-92 | | | DCA Pcy266-67-1 | N/A | Replacement | NO |
| | | | | | | | |
| | | | | N/A 7/23/92 | | | |
| | | | | | | | |
| | | | | | | | |

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 RS 7-23-92~~

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.



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## FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-186 7/23/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A RS 7-23-92

Certificate of Authorization No. N/A RS 7-23-92 Expiration Date N/A RS 7-23-92

Signed [signature] (Owner or Owner's Designee, Title) Date 7-23, 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 M-R IIC CO of _____ have inspected the components described in this Owner's Report during the period 8/3/92 to 8/13/92, 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.

[signature] (Inspector's Signature) Commissions TN 2234 (National Board, State, Province, and Endorsements)

Date 8/13/92 19____

6B CONT ON M 6C
8-8

JUL 24 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 7-24-92
NUC. PWR. (Address) — Sheet 1 of 1

2. Plant WBNP (Name) — Unit 1
P.O. BOX 2000, SPRING CITY, TN. 37381 (Address) — W.P. D-16473-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA MECH. MODS. (WBNP) (Name) — Type Code Symbol Stamp NA
P.O. BOX 2000, SPRING CITY, TN. 37381 (Address) — Authorization No. DC 7-24-
Expiration Date

4. Identification of System DEMIN. WATER 059

5. (a) Applicable Construction Code AISC 1973 Edition, JUN 1973 Addenda, NA DC 7-24-92 Code Case TVA CL.B
(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) |
|---|---|---|---|---|---|---|---|
| 1059-A492-1-21 | NA DC 7-24-92 | | | DCA-M16473-16 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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#8892

WATTS BAR
JUL 24 1992

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING Num 92-187 7/24/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this DELETION (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Copeland (Owner or Owner's Designee, Title) Date 7-24, 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 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.

BME 4/8/96 B. Earnigh
~~MA BME 8/3/92~~
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 4/8/96 19

WATTS BAR NUCLEAR
JUL 27 1992

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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 (Name) — Date 7/24/92
NUCLEAR POWER (Address) — Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000, SPRING CITY, TN. (Address) — WP D-06011-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp BC
P.O. BOX 2000, SPRING CITY, TN. (Address) — Authorization No. N/A 7/24/92
Expiration Date
4. Identification of System 001 / MAIN STEAM
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, BC 7/24/92 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 | | | |
| | N/A BC 7/24/92 | | | | | | |
| | | | | | | | |

7. Description of Work REMOVED SUPPORTS
N/A BC 7/24/92
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 NONE

Applicable Manufacturer's 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 I/I CO of have inspected the components described in this Owner's Report during the period 9/21/92 to 9/21/92, 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 9/21/92 19

WATTS BAR
TVA NUCLEAR
JUL 27 1992

PAGE 6 CONT ON PAGE 6A 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 (Name) — Date 7-27-92
   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) — WP-D-04641-03 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
   P.O. BOX 2000 SPRING CITY TN 37771 (Address) — Authorization No. N/A — Expiration Date N/A
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 | N/A | REPLACEMENT | NO |
| 1063-1-63-298 | N/A | N/A | N/A | DCA-P04641-13-0 | N/A | REPLACEMENT | NO |
| 1063-1-63-306 | N/A | N/A | N/A | DCA-P04641-14-0 | N/A | REPLACEMENT | NO |
| 1063-1-63-307 | N/A | N/A | N/A | DCA-P04641-15-0 | N/A | REPLACEMENT | NO |
| | | | | | | | |

7. Description of Work INSTALLED MODIFIED COMPONENT SUPPORTS
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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WATTS BAR
AUG 1 3 1992

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-190 7/27/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp ~~N/A~~

Certificate of Authorization No. ~~N/A~~ Expiration Date ~~7-27-92~~

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&I Co. 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. Heater (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 1 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 ~~N/A~~ ASI 7/25/92
   RO BOX 2000, SPRING CITY, TN 37381 (Address) — Authorization No.
   Expiration Date
4. Identification of System ERCW 067
5. (a) Applicable Construction Code AISC ~~19~~ ~~Edition~~ N/A ASI 7/25/92 ~~Addenda~~ N-308 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A ASI 7/25/92

STEEL CONST. MANUAL, 7TH EDITION

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~~ ASI 7/25/92 | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT 1067-A450-22-38 | TVA | 1067-A450 -22-38 | NONE | NONE | DELETED 1992 | ~~DELETED~~ REPLACEMENT ~~DELETED~~ | SDR 7/29/92 NO |
| PIPE SUPPORT 1067-A450-22-43 | TVA | 1067-A450 -22-43 | NONE | NONE | 1992 | REPLACEMENT ~~DELETED~~ | SDR 7-29-92 NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A ASI 7/25/92

7. Description of Work ABOVE SUPPORTS WERE REMOVED.

8. ~~Tests Conducted:~~ ~~Hydrostatic~~ ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. ~~N/A~~ °F ASI 7/25/92

WATTS BAR

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

TVA NUCLEAR

FILE COPY

JUL 25 1992

WRITS-BAR
TVA NUCLEAR
JUL 2 5 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 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 7/26/92 Expiration Date N/A ASI 7/25/92

Signed [signature] 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 HSB I.S.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.

[signature] Commissions TN 4229
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/7/92 19____

WATTS BAR
TVA NUCLEAR
JUL 2 8 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) — Date 7-27-92
400 W. SUMIT HILL DRIVE, KNOXVILLE TN. (Address) — Sheet 3A of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000 SPRING CITY, TN. (Address) — WP# D-04617-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (MECH MODS) (Name) — Type Code Symbol Stamp NA CPM 7/27/92
P.O. BOX 2000 SPRING CITY, TN. (Address) — Authorization No. NA CPM 7/27/92
Expiration Date NA CPM 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 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) |
|---|---|---|---|---|---|---|---|
| 62-1CVC-R201 | 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 N/A 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

 cont. on Page 5B

FORM NIS-2 (Back)

9. Remarks WP D04617-01

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-192 7/28/92

**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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed [signature] 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 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 Earnigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/6 19 92

WATTS BAR

TVA NUCLEAR

JUL 28 1992

 cont. on Page 6

WATTS BAR

TVA NUCLEAR

AUG 14 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 8-5-92
P.O. Box 2000 Spring City, 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-04666-06 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A RB 8-5-92
PO Box 2000 Spring City, Tn. (Address) — Authorization No. N/A RB 8-5-92
Expiration Date N/A RB 8-5-92
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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R82 | N/A | N/A | N/A | DCA-P04666-21-0 | N/A | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 N/A RB 8-5-92

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.



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 92-193 8/6/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A RB 8-5-92

Certificate of Authorization No. _____ Expiration Date _____

Signed Ron Bradshaw (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.

Stephen B. Hunter (Inspector's Signature) Commissions TN 2533 (National Board, State, Province, and Endorsements)

Date 10-8, 19 92

(12/82)

WATTS BAR
TVA NUCLEAR
AUG 14 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 8-6-92
P.O. Box 2000 Spring City, 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-04666-04 (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 RB 8-6-92
Expiration Date

4. Identification of System Safety Injection System 63

5. (a) Applicable Construction Code ASME 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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R63 | N/A | N/A | N/A | DCA P-04666-09-1 | N/A | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 RS 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

TVA NUCLEAR
AUG 07 1992

Page 3A cont. on Page 4

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-194 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~~ RS 8-6-92

Certificate of Authorization No. _____ Expiration Date _____

Signed Ron Brullen 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. Earnest Commissions TN - 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/20 19 92

(12/82)

WATTS BAR

JUL 3 1 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) — 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 D-16449-04 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (Name) — Type Code Symbol Stamp N/A 8/11/92

PO Box 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A 8/11/92

Expiration Date N/A 8/11/92

4. Identification of System ERCW (067)

5. (a) Applicable Construction Code AISC STEEL CONSTRUCTION MANUAL, 7TH EDITION 19 ~~77~~ 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 1067-A450-22-311 | TVA | NONE | NONE | UNID 1067-A450-22-311 | | REPLACEMENT | NO |
| SUPPORT 1067-A450-22-41 | TVA | NONE | NONE | UNID 1067-A450-22-41 | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REMOVED DELETED SUPPORTS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-194B 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 [signature], 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 IFI 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.

Date 4/8/96 B. Earnigh
~~N/A~~ ~~[illegible]~~ Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/8/96 19

(12/82)

WATTS BAR
TVA
JUL 31 1992

WP D-16449-04

WATTS BAR TVA NUCLEAR JUL 31 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) — 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) — WPD-110449-05 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBP) (Name) — Type Code Symbol Stamp
   PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. NA — Expiration Date 8/12/92
4. Identification of System ERCW (0067)
   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 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) |
|---|---|---|---|---|---|---|---|
| SUPPORT 0067-A450-22-39 | TVA | NONE | NONE | 0067-A450-22-39 | / | REPLACEMENT | NO |
| SUPPORT 0067-A450-22-42 | TVA | NONE | NONE | 0067-A450-22-42 | NA | REPLACEMENT | NO |
| SUPPORT 0067-A450-22-194 | TVA | NONE | NONE | 0067-A450-22-194 | / 8/12/92 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 92-195 8/12/92

### 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 NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed [illegible], 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 CO of _____ have inspected the components described in this Owner's Report during the period 7/2/92 to 7/31/92, 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.

[illegible] Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/2/92 19

WATTS BAR
JUL 31 1992

JUL 31 1992

WATTS BAR

# WORK INSTRUCTION D-04602-03

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 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. wmo
Expiration Date 7/28/92
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM 062
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A wmo 7/28/92 Addenda, N/A wmo 7/28/92 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 # 1062-62-1CVC-R95 | N/A wmo 7/28/92 | NONE | NONE | DCA-P04602-25 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 1062-62-1CVC-R97 | | NONE | NONE | DCA-P04602-26 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | N/A wmo 7/28/92 | | | |
| | | | | | | | |

7. Description of Work REMOVED EXISTING SUPPORTS ~~CONAX~~ COMPLETELY wmo 7/28/92. INSTALLED NEW SUPPORTS.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ N/A wmo 7/28/92 ~~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

# WORK INSTRUCTION D-04602-03

Page 6A cont. on Page 6B

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 92-196 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 Ordel 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. Stratton Commissions TN 2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-6 19 92

(12/82)

WATTS BAR
TVA NUCLEAR
JUL 31 1992

WATTS BAR

# WORK INSTRUCTION D-04602-03

Page 6B cont. on Page 6C

JUL 1 '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) — 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-04602-03 (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. N/A — Expiration Date N/A 7/28/92
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code ASC, 7TH 1973 Edition, N/A 7/28/92 Addenda, N/A 7/28/92 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 # 1062-62-1CVC-R101 | N/A 7/28/92 | NONE | NONE | DCA-P04602-27 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
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| | | | | | | | |

N/A 7/28/92

7. Description of Work REMOVED EXISTING SWAY STRUT & CLAMP. INSTALLED NEW SWAY STRUT & CLAMP WITH LARGER LOAD CAPACITY.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ N/A Nominal ~~Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure _____ psi Test Temp. _____ °F
N/A 7/28/92

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

# 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 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 WMO 7/28/92

Certificate of Authorization No. N/A WMO 7/28/92 Expiration Date N/A WMO 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. Starks Commissions TN 2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-6 19 92

(12/82)

WATTS BAR
TVA NUCLEAR
JUL 3 1 1992

# WORK INSTRUCTION D-04602-03

Page 6D cont. on Page 6E

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 7/28/92 JUL 31 1992
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-04602-03 (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. — Expiration Date N/A 7/28/92 WMO
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code ASME, 7TH 1973 Edition, N/A 7/28/92 WMO Addenda, N/A 7/28/92 WMO 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 1062-62-RVC-R102 | N/A 7/28/92 WMO | NONE | NONE | DCA-P04602-28 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A 7/28/92 WMO | | | | |
| | | | | | | | |
| | | | | | | | |

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 BASEPLATE 90°.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure _____ psi N/A Test Temp. _____ °F 7/28/92 WMO

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-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 8/13/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 (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&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. Stratton (Inspector's Signature) Commissions TN2533 (National Board, State, Province, and Endorsements)

Date 11-6 19 92

(12/82)

WATTS BAR
TVA NUCLEAR
JUL 31 1992

# 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) — Date 7/29/92
400 W. SUMMIT HILL DRIVE, KNOX., TN. (Address) — Sheet 1 of 1 — JUL 31 1992
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000, SPRING CITY, TN. 37771 (Address) — W.P. D-04602-03 (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. N/A WMO 7/29/92 — Expiration Date N/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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT # 1062-62-10C-R104 | N/A WMO 7/29/92 | NONE | NONE | DCA-P04602-29 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A WMO 7/29/92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work ENLARGED HOLES IN BASEPLATE FOR LARGER ANCHORS.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ N/A WMO 7/29/92 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

# WORK INSTRUCTION D-04602-03

Page 6G cont. on Page 7

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-199 8/13/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A wms 7/29/92

Certificate of Authorization No. N/A wms 7/29/92 Expiration Date N/A wms 7/29/92

Signed [signature] (Owner or Owner's Designee, Title) Date 7/29, 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 10-21-92 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.

[signature] (Inspector's Signature) Commissions TN2533 (National Board, State, Province, and Endorsements)

Date 11-6 19 92

(12/82)

WA
TVA NUCLEAR
JUL 31 1992

WATTS BAR TVA NUCLEAR

8 1 5 1992

Page 5d Cont'd on Page 5e
Due 8-14-92

# 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) — Date 8-13-92
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-04590-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, Mech. Modifications (Name) — Type Code Symbol Stamp ____
Authorization No. N/A Due 8-13-92
Watts Bar Nuclear Plant (Address) — Expiration Date ____
4. Identification of System Chemical Volume Control System/System # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A Due 8-13-92 Addenda, N/A Due 8-13-92 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) |
|---|---|---|---|---|---|---|---|
| Pipe Support # 1062-1-62A-222 | N/A | 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 | Due 8-13-92 | 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 Due 8-13-92 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

Page 5e cont'd on page 6

## FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-200 8/24/92

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Dec 8-13-92

Certificate of Authorization No. N/A Dec 8-13-92 Expiration Date N/A Dec 8-13-92

Signed David W. Couch (Owner or Owner's Designee, Title) Date 8-13-92, 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 _____ 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 Earnsh (Inspector's Signature) Commissions TN #2534 (National Board, State, Province, and Endorsements)

Date 10/20 19 92

(12/82)

WATTS BAR CLEAR

# 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 2 2 1992

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 7/27/92
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) — ~~N/A~~ wmo 7/27/92 W.P. D-04602-04 (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. wmo 7/27/92
Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7TH 19 73 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 ~~N/A~~ wmo 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 | N/A wmo 7/27/92 | NONE | NONE | * 062-62-ICVC-R107 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N A wmo 7/27/92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work ENLARGED HOLES IN BASEPLATE FOR LARGER ANCHORS.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ ~~Other ☐ Pressure~~ ~~N/A~~ psi Test Temp. ~~N/A~~ °F
A wmo 7/27/92

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

* DCA # P04602-30

# WORK INSTRUCTION D-04602-04

Page 6A cont. on Page 6B

WATTS BAR

LEAK

AUG 20 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-201 8/24/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 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 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 (Inspector's Signature) Commissions TN 2534 (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 2 2 1992

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 7/27/92
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) — ~~N/A~~ W.P. D-04602-04 WMO 7/27/92 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp N/
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMO 7/27/92 — Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code ASC, 7TH 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 ~~N/A~~ WMO 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 | N/A WMO 7/27/92 | NONE | NONE | 1062-62-ICVC-R109 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A WMO 7/27/92

7. Description of Work REMOVED EXIST. U-BOLT. CUT & 4"x3"x3/8" FROM BASEPLATE, REINSTALLED NEW & 4"x3"x3/8" AND BUILT BOX AROUND PIPE USING & 2"x2"x1/4".
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure ____ psi Test Temp. ____ °F

N/A WMO 7/27/92

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

* DCA # P04602-31

WORK INSTRUCTION D-04602-04

Page 6C cont. on Page 6D

FORM NIS-2 (Back)

9. Remarks AUG 2 2 1992

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-202 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 WMO 7/27/92

Certificate of Authorization No. N/A WMO 7/27/92 Expiration Date N/A WMO 7/27/92

Signed [signature]
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 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

WATTS BAR

# 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

TVA NUCLEAR

AUG 2 2 1992

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 7/27/92
400 W. SUMMIT HILL DRIVE, KNOX, TN. (Address) — Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. 2000, SPRING CITY, TN. 37771 (Address) — ~~N/A~~ W.R. D-04602-04 WMO 7/27/92 (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. WMO 7/27/92
Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code ASC, 7TH 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~~N/A~~ WMO 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 | BERGEN-PATERSON | NONE | NONE | 1062-62-1CVC-R121 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A WMO 7/27/92

7. Description of Work DELETED (1) BASEPLATE, (2) ANCHOR BOLT ASSEMBLIES, (1) SWAY STRUT, AND (1) PIPE CLAMP
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating ~~Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F
N/A WMO 7/27/92

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

* DCA# P-04602-33

WATTS BAR

TVA NUCLEAR

AUG 2 0 1992

# WORK INSTRUCTION D-04602-04

Page 6E cont. on Page 6F

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-203 9/20/92

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [signature] (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 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 Eamigh (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 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) — Date 7/27/92
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-04602-04 (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. N/A WMO 7/27/92
Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code AISC, 7TH 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 N/A WMO 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 | N/A WMO 7/27/92 | NONE | NONE | * 062-62-1CVC-R123 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N A WMO 7/27/92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REMOVED BASEPLATE 1/2"x8"x8". INSTALLED NEW BASEPLATE 3/4" x 9"x9".
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Pressure psi Test Temp °F
N/A WMO 7/27/92

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

* DCA # P04602-35 & -36

TVA NUCLEAR
AUG 2 0 1992

# WORK INSTRUCTION D-04602-04

Page 6G cont. on Page 6H

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING Number 92-204 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 [signature] 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 Earnigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/21 19 92

WATTS BAR NUCLEAR

# 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**

AUG 2 2 1992

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 7/27/92
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-04602-04 (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. N/A — Expiration Date 7/27/92
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code ASC, 7TH 1973 Edition, N/A 7/27/92 Addenda, N/A 7/27/92 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19~~N/A~~ 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 | N/A 7/27/92 | NONE | NONE | 1062-62-ICVC-R126 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REMOVED BASEPLATE 1/2"x8"x8". INSTALLED NEW BASEPLATE 3/4"x 9"x9".
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

* DCA # P04602-37

WATTS BAR
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 8/24/92

## 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 [signature] 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 Earnigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/21 19 92

WATTS BAR NUCLEAR

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 (Name) — Date 8/24/92
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, TENN. 37771 (Address) — WP D06177-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (Name) — Type Code Symbol Stamp N/A B2P 8-23-92
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A B2P 8-23-92
Expiration Date N/A B2P 8-23-92
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- ~~34-0~~, 89-0 & ~~35-0~~ 90-0 | | REPLACEMENT | NO |
| | | | | B2P 8-23-92 | | | |
| | | | N/A B2P 8-23-92 | | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 AUG 23 1992

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 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 L. Perdue Date August 23, 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 Conn and employed by HSB I. & I. 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 11-7 1992

PAGE 1D CON'T ON PAGE 1

10-192 10a

WATTS BAR
TVA NUCLEAR
AUG 2 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 TENNESSEE VALLEY AUTHORITY (Name) — Date 8/22/92

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) — WP D-04622-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A

P.O. BOX 2000 SPRING CITY TN 37771 (Address) — 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

PAGE 1Da CON'T ON PAGE 1E

D-04622-01

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-207 bly 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 8/24/92

Certificate of Authorization No. N/A Expiration Date

Signed Joseph C Dais Date 8/24/92, 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 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 10-17 19 92

WATTS BAR TVA NUCLEAR AUG 27 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) — Date 8-25-92
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) — WP-D-04667-03 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
P.O. Box 2000 Spring City TN 37771 (Address) — Authorization No. N/A
Expiration Date N/A
4. Identification of System (063) STS
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 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-R114 | N/A | N/A | N/A | DCA P04667-36 DCA P04667-37 DCA P04667-38 | N/A | Replacement | No |
| 1063-63-1515-R115 | N/A | N/A | N/A | DCA P04667-39 DCA P04667-40 | N/A | Replacement | No |
| 1063-63-1515-R130 | N/A | N/A | N/A | DCA-P04667-41 | N/A | Replacement | No |
| 1063-63-1515-R131 | N/A | N/A | N/A | DCA-P04667-43 | N/A | Replacement | No |
| 1063-63-1515-R137 | N/A | N/A | N/A | DCA-P04667-44 DCA-P04667-45 | N/A | Replacement | No |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 8/25/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A PLW 8-25-92

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ Owner or Owner's Designee, Title Date August 25, 1992

**CERTIFICATE OF INSERVICE INSPECTION**

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 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 TN2533 National Board, State, Province, and Endorsements

Date 11-10 1992

D 04667-03



PLW 10-2-92

WATTS BAR TVA NUCLEAR AUG 2 8 1992

Page 6 cont. on Page 6A

# 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 8-28-92
   Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
   P.O. Box 2000 Spring City, Tn. (Address) — D-05709-05 (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. (Address) — Authorization No. RBS 8-28-92 — Expiration Date N/A
4. Identification of System 74/ RHR
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N/A RB 8-28-92 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 w inter 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R42 | | | | DCA P05709-44-0 | | | |
| 1074-74-1RHR-R44 | N/A RB 8-28-92 | | | DCA P05709-~~44~~ 45 RB 8-28-92 -0 | | N/A RB 8-28-92 | |
| 1074-74-1RHR-R50 | | | | DCA P05709-47-0 | | | |
| 1074-74-1RHR-R51 | | | | DCA P05709-49-0 | | | |
| 1074-74-1RHR-R54 | | | | DCA P05709-50-0 | | | |

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 °F RBS 8-28-92

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.

FORM NIS-2 (Back)

9. Remarks NONE

Tracking Number 92-209 [illegible] 11/28/92

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Ron E. Bradshaw (Owner or Owner's Designee, Title) Date 8-28, 1992

**CERTIFICATE OF INSERVICE INSPECTION**

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 [illegible] 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 (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 11/9, 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) — Date 8-28-92
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) — WP-D-04642-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
P.O. Box 2000 Spring City, TN 37771 (Address) — Authorization No. N/A
Expiration Date N/A
4. Identification of System (063) SIS
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) |
|---|---|---|---|---|---|---|---|
| 1063-1-63-370 | N/A | N/A | N/A | DCA-P04642-51 DCA-P04642-52 | N/A | REPLACEMENT | No |
| 1063-1-63-372 | N/A | N/A | N/A | DCA-P04642-23 DCA-P04642-24 | N/A | Replacement | No |
| 1063-1-63-373 | N/A | N/A | N/A | DCA-P04642-25 DCA-P04642-26 | N/A | Replacement | No |
| 1063-1-63-379 | N/A | N/A | N/A | DCA-P04642-54 DCA-P04642-64 | N/A | Replacement | No |
| | | | N/A | PBW 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 PBW 8-28-92

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

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-210 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp ~~N/A~~

Certificate of Authorization No. ~~N/A~~ Expiration Date ~~PBJ 8-28-92~~

Signed [signature] Owner or Owner's Designee, Title Date August 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&I CO. of _____ 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.

Bruce M Earnest Inspector's Signature Commissions TN 2534 National Board, State, Province, and Endorsements

Date 11/7 19 92



WP D04642-01

WP-D-04642-04 GB
Pg 6A 9 Continued Pg 7 GG 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) — Date 7/25/92
P.O. Box 2000 Spring City, 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-04642-04 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A GG 7/25/92
P.O. Box 2000 Spring City, TN. (Address) — 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 ASC 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) |
|---|---|---|---|---|---|---|---|
| 1063-1-63-347 | | | | DCN-P-04642-A | N/A GG 7/25/92 | GG 7/25/92 Replaced ~~Repair~~ | N/A GG 7/25/92 |
| 1063-1-63-351 | | N/A GG 7/25/92 | | DCN-P-04642-A | N/A GG 7/25/92 | Replaced ~~Repair~~ | N/A GG 7/25/92 |
| 1063-1-63-354 | | | | DCN-P-04642-A | N/A GG 7/25/92 | Replaced ~~Repair~~ | N/A GG 7/25/92 |
| 1063-1-63-383 | Bergen-Paterson | B/P Snubber 2410-.65 | N/A | ~~N/A~~ DCN-P-04642-A ~~N/A DCN-P-04642-A~~ GG 7/25/92 | N/A GG 7/25/92 | Replacement | YES |
| | | | N/A GG 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP-D-04642-04
Pg 6B Cont'd on Pg 9A
9-25-92

## FORM NIS-2 (Back)

9. Remarks NONE

TRACKING # 92-211 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 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 [signature] MOD'S F.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 Earnigh Commissions TN - 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/7/92 19

WATTS BAR TVA NUCLEAR

AUG 2 8 1992

WP-D-04642-06

Pg 3 Cont'd on Pg 43A

WP 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

PO 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.)

3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A

P.O. Box 2000 SPRING CITY, TN (Address) — Authorization No. N/A — Expiration Date N/A

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) |
|---|---|---|---|---|---|---|---|
| 1063-1-63-357 | | | | DCN-P-04642A | N/A | Replaced | N/A |
| 1063-1-63-363 | | N/A | | DCN P-04642-A | N/A | Replaced | N/A |
| 1063-1-63-590 | | | | DCN-P-04642-A | N/A | Replaced | N/A |
| | | N/A | | | | | |
| | | | | | | | |

7. Description of Work Add Shim To Supports 357, 363 & Trim Belt on Support 590

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure N.A psi Test Temp. NA °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

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 [illegible] 9/28/92

**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 NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed [illegible] (MBDS) 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.

[illegible] Commissions TN2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-20-92 19

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

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 8-31-92

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) — GLJ 8/31/92 DR-06175-02 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp N/A 8/31/92

WATTS BAR NUCLEAR PLANT (Address) — Authorization No. — Expiration Date

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 ~~DCA P06175-27-R~~ | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A B2P 8-29-92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED EXISTING 1/2" SSDS WITH 3 ea 5/8" SDL AND 1 ea 3/4" SDL.

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 D06175-02

WATTS BAR TVA NUCLEAR

AUG 2 9 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

Tracking Num 92-213 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 L. 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 B. Hester Commissions NB9774 N,I,A TN2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 19

WORK INSTRUCTION D06175-02

## 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 8-31-92
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 004634-03 (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 RLF 8-31-92
Expiration Date
4. Identification of System 063 / SIS
5. (a) Applicable Construction Code AISC 19 73 Edition JUNE 1973 Addenda N/A RLF 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 | | | | DCA P04634-14-0 & 15-0 | | REPLACEMENT | NO |
| 1063-1-63-411 | | | | DCA P04634-16-0 & 17-0 | | REPLACEMENT | NO |
| 1063-1-63-512 | | | | F-19034-A | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |

N/A RLF 8-31-92

7. Description of Work MODIFIED EXISTING SUPPORTS
8. Tests Conducted: ~~Hydrostatic~~ ☐ ~~Pneumatic~~ ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F N/A RLF 8-31-92

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-214 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 N/A RLF 8-31-92

Certificate of Authorization No. N/A RLF 8-31-92 Expiration Date N/A 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&I Co. of Hartford CT have inspected the components described in this Owner's Report during the period 10-15-91 to 11-1-92, 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 TN2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-1 19 92

WATTS BAR NUCLEAR
SEP 01 1992

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 (Name) — Date 9-1-92
   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-04666-01 (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. ~~NA RS 9-1-92~~
   Expiration Date ~~NA~~
4. Identification of System 63/SIS
5. (a) Applicable Construction Code ATSC 1973 Edition, June 1973 Addenda, NA RS 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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R69 | NA | RS 9-1-92 | | DCA P0466-16-0 | | | |
| 1063-63-1SIS-R68 | NA | RS 9-1-92 | | DCA P0466-15-0 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

~~NA RS 9-1-92~~

7. Description of Work MODIFICATIONS TO SUPPORTS - MATERIAL REPLACEMENT
8. Tests Conducted: Hydrostatic ☐ ~~Pneumatic~~ ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. ~~NA RS 9-1-92~~ °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.



This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP D-04666-01

Page 3A cont. on Page 4

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-215 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 N/A RB 9-1-92

Certificate of Authorization No. N/A RB 9-1-92 Expiration Date N/A RB 9-1-92

Signed Ron Breckline 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 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 Earnigh Commissions TN#2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/16 19 92

WATTS BAR TVA NUCLEAR SEP 01 1992

Page 3 cont. on Page 3A

# 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 9-1-92
   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-04666-05 (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 (Address) — Authorization No. N/A RB 9-1-92
   Expiration Date
4. Identification of System 63/SIS
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N/A 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-ISIS-R70 | N/A RB 9-1-92 | | | DCA P04666-17-0 | N/A RB 9-21-92 | | |
| 1063-63-ISIS-R71 | | | | DCA P04666-18-0 | | | |
| 1063-63-ISIS-R72 | | | | DCA P04666-19-0 | | | |
| 1063-63-ISIS-R73 | | | | DCA P04666-20-0 | | | |
| | | N/A RB 9-1-92 | | | | | |
| | | | | | | | |

7. Description of Work MODIFICATIONS TO SUPPORTS - MATERIAL REPLACEMENT
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N/A RB 9-1-92
   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.



This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 3A cont. on Page 4

WPO 04666-05

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

Tracking Number 92-216 Ly 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 N/A RS 9-1-92

Certificate of Authorization No. N/A RS 9-1-92 Expiration Date N/A RS 9-1-92

Signed Ron Bruehne 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 I&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.

Stephen B. Hester Commissions TN 2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-6 19 92

(12/82)

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) — Date 9-14-92
   Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
   P.O. Box 2000 Spring City, Tn. (Address) — D-04666-07 (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 RB 9-14-92
   Expiration Date
4. Identification of System 63/SIS
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N/A RB 9-14-92 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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R96 | N/A | RB 9-14-92 | | DCA P04666-25-0 | 92 | Replacement | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A RB 9-14-92

7. Description of Work Modified support - Item replacements
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F RB 9-14-92

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.



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 # 92-217 9/14/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A RB 9-14-92

Certificate of Authorization No. N/A RB 9-14-92 Expiration Date N/A RB 9-14-92

Signed Ron Breedlove (Owner or Owner's Designee, Title) Date 9-14, 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 _____ 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 (Inspector's Signature) Commissions TN # 2534 (National Board, State, Province, and Endorsements)

Date 10/20 19 92

(12/82)

SEP 4 1992

WATTS BAR

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) — Date 9-12-92
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-05709-01 (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.
Expiration Date N/A RB 9-12-92
4. Identification of System 63/SIS 74/RHR
5. (a) Applicable Construction Code AISC 1973 Edition, June 1973 Addenda, N/A RB 9-12-92 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 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 P05709-06-0 | 92 | Replacement | NO |
| 1063-A435-1-1 | | | | DCA P05709-10-0 | 92 | Replacement | NO |
| 1074-A060-74-1 | | | | DCA P05709-07-0 | 92 | Replacement | NO |
| | | | | | | | |
| | | | | | | | |

N/A RB 9-12-92

7. Description of Work Pipe support modifications, item replacements.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ RB 9-12-92
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

WP D-05709-01

Page 6A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-218 9/19/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A RB 9-12-92

Certificate of Authorization No. N/A RB 9-12-92 Expiration Date N/A RB 9-12-92

Signed Ron Breedlove (Owner or Owner's Designee, Title) Date 9-12, 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 _____ 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 Earnigh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 10/7 19 92

(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) — Date 9-17-92
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-04602-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA Mech. Modifications (Name) — Type Code Symbol Stamp
Authorization No. N/A Due
Expiration Date A 9-17-92
Watts Bar Nuclear Plant (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 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 Due 9-17-92 | NONE | NONE | 1062-A402-2-1 | unknown | replacement | No |
| | | | | | | | |
| | | | N | A Due 9-17-92 | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work added stiffner gussets to baseplate - ref: DCA-P04602-08
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure N/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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER #92-219 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 Exc 9-17-92

Certificate of Authorization No. N/A Exc 9-17-92 Expiration Date N/A Exc 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 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.

Stephen B. Stone Commissions TN2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-7- 19 92



WP D0460201

# 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 8-18-92
   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) — W.P. D-16459-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (Name) — Type Code Symbol Stamp
   P.O. Box 2000, SPRING CITY TN. 37771 (Address) — Authorization No. — Expiration Date
4. Identification of System SIS (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 1063-1-63-752 | TVA | NONE | NONE | 1063-1-63-752 | | 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-220 9/16/92

### 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 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- ~~0~~ TSF 9-16-92, 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 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.

Stephen B. Hatler
Inspector's Signature

Commissions TN2533 N69774 N,I,A
National Board, State, Province, and Endorsements

Date 9-22 19 92

# WORK INSTRUCTION D-06175-01

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 9-15-92
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-06175-01 (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. NA
Expiration Date RPL 9-15-92
4. Identification of System SYSTEM # 070, COMPONENT COOLING WATER
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, NA RPL 9-15-92 Addenda, NA RPL 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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 1070-70-1CC-R20 | NA | NONE | NONE | DCA-P06175-33-0,-01-0 | NA | REPLACEMENT | NO |
| 1070-70-1CC-R25 | RPL 9-15-92 | NONE | NONE | DCA-P06175-38-0 39-1 -01-0 | NA | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NA RPL 9-15-92

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) & Plate (Bom item 8) RPL 9-15-92
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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) 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 # 92-224 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Robert P Lar (Owner or Owner's Designee, Title) Date 9-15, 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. Hartford, CT of in this Owner's Report during the period 5-18-92 to 10-7-92, 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.

Stephen B. Heater (Inspector's Signature) Commissions NB 9774 N,I,A TN2533 (National Board, State, Province, and Endorsements)

Date 19

WATTS BAR TVA NUCLEAR SEP 16 1992

MB 9-17-92

Page ~~6C~~ 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 (Name) — Date 9-16-92

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-05620-01 (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 MB 9-16-92

Expiration Date

4. Identification of System SYSTEM 072 CONTAINMENT SPRAY

5. (a) Applicable Construction Code AISC 7th 19 73 Edition, N/A MB 9-16-92 Addenda, N/A MB 9-16-92 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) |
|---|---|---|---|---|---|---|---|
| 1072-A437-3-3 | N/A MB 9-16-92 | NONE | NONE | DCA P05620-04 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED BASEPLATE AND ANCHORS.

8. Tests Conducted: Hydrostatic Pneumatic [X] Nominal ~~Operating Pressure~~ [ ]

~~Other~~ [ ] ~~Pressure~~ A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Page 6B cont. on Page 6BC MB 9-17-92

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Baines (Owner or Owner's Designee, Title) Date 9-16, 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 _____ 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 10/27 19 92

MB 9-17-92

Page 6 E C cont. on Page 6 A D MB 9-17-92

# 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 (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)
3. Work Performed by TVA MECH MODS (Name)
   WATTS BAR NUCLEAR PLANT (Address)

Date 9-16-92

Sheet 1 of 1

Unit 1

WORKPLAN D-05620-01
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp

Authorization No. N/A MB 9-17-92

Expiration Date N/A

4. Identification of System SYSTEM

5. (a) Applicable Construction Code ASME 7TH 1973 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 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) |
|---|---|---|---|---|---|---|---|
| 1062-A555-R-27 | N/A MB 9-17-92 | NONE | NONE | DCA P05620-08 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACE SUPPORT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Pressure N/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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

SEP 17 1992

Page 6 of D MB 9-17-92 cont. on Page 6 of E MB 9-17-92

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-224 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A MB 9-17-92

Certificate of Authorization No. N/A MB 9-17-92 Expiration Date N/A MB 9-17-92

Signed [signature] Owner or Owner's Designee, Title Date 9-17, 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 _____ 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 Earnest Inspector's Signature Commissions TN 2534 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) — Date 9-16-92
400 W. SUMMIT HILL DRIVE, KNOX, TN. (Address) — Sheet 1 of 1
2. Plant WATTS ~~BAR~~ BAR NUCLEAR PLANT (Name) MB 9-16-92 — Unit 1
P.O. BOX 2000, SPRING CITY TN, 37771 (Address) — WORKPLAN D-05620-01 (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 MB 9-16-92
Expiration Date
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 9-16-92 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) |
|---|---|---|---|---|---|---|---|
| 1072-A437-5-25 | N/A MB 9-16-92 | NONE | NONE | DCA-D05620-06 WORKPLAN | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED ANCHORS, BASEPLATE, STRUT & CLAMP.
8. Tests Conducted: Hydrostatic Pneumatic ☑ ~~Nominal Operating Pressure~~ ☐
~~Other ☐ Pressure~~ N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

TENNESSEE BAR
TVA NUCLEAR
18 SEP 17 1992

Page 6X F MB 9-17-92 cont. on Page 7

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 Baines 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 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 Earnest 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) — Date 9-17-92
   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 37381 (Address) — W.P. # D-04602-0201 Due 9-17-92 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA Mech. Modifications (Name) — Type Code Symbol Stamp N/A / Due
   Watts Bar Nuclear Plant (Address) — Authorization No. / A — Expiration Date 9-17-92
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 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 Due 9-17-92 | NONE | NONE | 1062-A406-3-7 | unknown | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N/A | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work removed & replaced one base plate ref.: DCA-P04602-09
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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WOP D0460201

WATTS BAR TVA NUCLEAR SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

Tack# 92-226 kf 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Exc 9-17-92

Certificate of Authorization No. N/A Exc 9-17-92 Expiration Date N/A Exc 9-17-92

Signed David Couch (Owner or Owner's Designee, Title) Date Sept. 17, 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 10-20-91 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 Commissions TN2533 (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 (Name) — Date 9-17-92
   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-04602-01 (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. Duc — Expiration Date 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 9-17-92 Addenda, N/A Duc 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 Duc 9-17-92 | NONE | NONE | 1062-62-1CVC-R35 | UNKNOWN | replacement | NO |
| | | | | | | | |
| | | | N/A | Duc 9-17-92 | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work completely redesigned — changed out strut & added new support member PCA-P04602-11 & 39
8. Tests Conducted: Hydrostatic N/A Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure Duc 9-17-92 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.

WATTS BAR
TVA NUCLEAR
SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-227 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or 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 9-17-97

Signed David Couch (Owner or Owner's Designee, Title) Date Sept. 17, 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 10-20-91 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 Commissions TN2533 (National Board, State, Province, and Endorsements)

Date 11-7 19 92


cont. on Page 2H

Wp D04602 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 9-17-92
   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.O.P. # D-04602-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA Mech. Modifications (Name) — Type Code Symbol Stamp N/A Due 9-17-92
   Watts Bar Nuclear Plant (Address) — Authorization No. N/A Due 9-17-92 — Expiration Date N/A
4. Identification of System Chemical Volume Control System / System # 062
5. (a) Applicable Construction Code ASC, 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 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 Due 9-17-92 | NONE | NONE | 1062-62-ICVC-RS6 | unknown | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work trimed baseplate & ~~channel~~ channel to allow more movement Due 9-17-92
   PCA - P04602-13
8. Tests Conducted: Hydrostatic N/A Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐
   ~~Other~~ ☐ ~~Pressure~~ A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR TVA NUCLEAR SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-228 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or 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 W. Couch (Owner or Owner's Designee, Title) Date Sept. 17, 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 HSBI&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.

Stephen B. Hatler (Inspector's Signature) Commissions TN2593 (National Board, State, Province, and Endorsements)

Date 11-7 19 92

Page 2I cont. on Page 2J

D046020.1

# 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 9-17-92
   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-04602-01 (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. Due 9-17-92 — Expiration Date A
4. Identification of System Chemical Volume Control System/system #062
5. (a) Applicable Construction Code AISC, 7th 1973 Edition, N/A Due 9-17-92 Addenda, N/A Due 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 Due 9-17-92 | NONE | NONE | 1062-62-1CVC-R36 | UNKNOWN | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work removed/deleted support
8. Tests Conducted: Hydrostatic N 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 SEP 17 1992

WP DS 460207

Page 2K 3

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-229 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 ASBI & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-2-91 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 Commissions TN2593
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 (Name) — Date 9-16-92
   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-04602-02 (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 Due 9-16-92
   Expiration Date
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 | N/A Due 9-17-92 | NONE | NONE | 1062-62-ICVC-R57 | UNKNOWN | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work completely redesigned - reconstructed using a 2 strut configuration ref: DCA-P04602-15 & 16
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ Other ☐ ~~Pressure~~ N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-280 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or 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 (Owner or Owner's Designee, Title) Date 9-17, 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 10-20-91 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 Commissions TN2553 (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) — Date 9-17-92
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-04602-02 (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. — Expiration Date
4. Identification of System Chemical Volume Control System/system # 062
5. (a) Applicable Construction Code ASC, 7th 19 73 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 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 Due 9-17-92 | NONE | NONE | 1062-62-1CVC-RSB | unknown | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N/A | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work changed out strut assembly - ref: DCA-P04602-17
8. Tests Conducted: Hydrostatic N/ 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

SEP 17 1992

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D 04602 02

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-231 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or 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 (Owner or Owner's Designee, Title) Date Sept. 17, 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 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.

Stephen B. Hester (Inspector's Signature) Commissions TN2533 (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) — Date 9-17-92
   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-04602-02 (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 Due — Expiration Date N/A Due 9-17-92
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 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 Due 9-17-92 | NONE | NONE | 1062-62-1CVC-R74 | UNKNOWN | replacement | No |
| | | | | | | | |
| | | | N | | | | |
| | | | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work changed out baseplate - ref.: DCA-P04602-20
8. Tests Conducted: ~~Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR

SEP 17 1992

Page 3F cont. on Page 3G

D04602-02

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-232 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 Exc 9-17-92

Certificate of Authorization No. N/A Exc 9-17-92 Expiration Date N/A Exc 9-17-92

Signed David Couch
Owner or Owner's Designee, Title

Date Sept. 17, 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 10-20-91 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.

Stephen R. Gates
Inspector's 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 (Name) — Date 9-17-92
   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-04602-02 (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. DUC — Expiration Date 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 9-17-92 Addenda, N/A DUC 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 DUC 9-17-92 | NONE | NONE | 1062-62-ICVC-R77 | UNKNOWN | replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | N | A DUC 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work changed out 2 strut assemblies ref.: DCA D04602-21
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 SEP 17 1992

WP 004602.02

Page 3H cont. on Page 3I

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-239 9/17/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Exc 9-17-92

Certificate of Authorization No. N/A Exc 9-17-92 Expiration Date N/A Exc 9-17-92

Signed David Couch (Owner or Owner's Designee, Title) Date Sept. 17, 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. Hartford, CT of have inspected the components described in this Owner's Report during the period 10-20-91 to 10-23-92, 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 TN2533 (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) — Date 9-17-92
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) — WP # D-4602-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA Mech. Modifications (Name) — Type Code Symbol Stamp N/A Due 9-17-92
Watts Bar Nuclear Plant (Address) — Authorization No. N/A — Expiration Date

4. Identification of System Chemical Volume Control System/system #062
5. (a) Applicable Construction Code ASME C, 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 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 Due 9-17-92 | NONE | NONE | 1062-42-ICVC-R264 | unknown | replacement | No |
| | | | | | | | |
| | | N | | | | | |
| | | | A Due 9-17-92 | | | | |
| | | | | | | | |

7. Description of Work added kicker - ref.: DCA-P04602-18
8. Tests Conducted: Hydrostatic N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR

SEP 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #92-234 9/17/92

**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 Exc 9-17-92

Certificate of Authorization No. N/A Exc 9-17-92 Expiration Date N/A Exc 9-17-92

Signed David Couch
Owner or Owner's Designee, Title

Date Sept 17, 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. Hartford, CT of _____ 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

Commissions TN2533
National Board, State, Province, and Endorsements

Date 10-28 19 92

WP 004602-02



cont. on Page 4

SEP 10 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) — 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 (WBNP) (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-A435-8-60 | TVA | NONE | NONE | 1063-A435-8-60 | | REPLACEMENT | NO |
| PIPE SUPPORT 1063-A435-8-64 | TVA | NONE | NONE | 1063-A435-8-64 | | REPLACEMENT | NO |
| PIPE SUPPORT 1063-A435-8-67 | TVA | NONE | NONE | 1063-A435-8-67 | | REPLACEMENT | NO |
| PIPE SUPPORT 1063-A435-8-68 | TVA | NONE | NONE | 1063-A435-8-68 | | REPLACEMENT | NO |
| PIPE SUPPORT 1063-A435-8-70 | TVA | NONE | NONE | 1063-A435-8-70 | | 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WATTS BAR TVA NUCLEAR

SEP 1 0 1992

FORM NIS-2 (Back)

9. Remarks 92-235 ~~OFA~~ 9/18/92

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 7/18/92 to 9/18/92, 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 9/18/92 19_____

WP D-00278-06

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PG. 1e CONT'D. ON PG. 2

WP D-8693-01

WATTS BAR

SEP 17 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 VALEY AUTHORITY (Name) — Date 08-24-92

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 D08693-01 (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 RLF 9-25-92 — Expiration Date

4. Identification of System 63/515

5. (a) Applicable Construction Code ASC 19 73 Edition, JUNE 1973 Addenda, N/A RLF 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) |
|---|---|---|---|---|---|---|---|
| 1063-1-63-340 | | N/A RLF 9-25-92 | | DCA M08693-01-02 | N/A | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A RLF 9-25-92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFICATION OF PIPE SUPPORT

8. Tests Conducted: ~~Hydrostatic~~ ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N/A RLF 9-25-92

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

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 REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA Ref 9.25.92

Certificate of Authorization No. NA Ref 9-25-92 Expiration Date NA Ref 9.25.92

Signed
Owner or Owner's Designee, Title

Date 9-25-92, 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 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.

Inspector's Signature

Commissions TN2533
National Board, State, Province, and Endorsements

Date 9-30 19 92

SEP 25 1992

WATTS BAR

PAGE 6 CONT. ON 6A 9/24/92

# 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) — Date 9-23-92

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 D-00278-07 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (Name) — Type Code Symbol Stamp

PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No.

Expiration Date

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~~ DELETED | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SUPPORT 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N 9/24/92

7. Description of Work REMOVED/DELETED SUPPORTS

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

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

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WATER BAR
TVA HUL
SEP 25 19

PAGE 6A CONT ON 7

FORM NIS-2 (Back)

9. Remarks (SEE BLOCK NO. 7)

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-238 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 C. Sampson 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 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 0 9 1992

WP D-16473-03

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# 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 10-5-92

400 W. SUMMIT HILL DR., KNOXVILLE, TN (Address) — Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1 WP-D-16473-03

P.O. BOX 2000, SPRING CITY, TN. 37381 (Address) — TVA, WP D16473-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA MODS MECH (Name) — Type Code Symbol Stamp ~~N/A~~

P.O BOX 2000, SPRING CITY, TN. 37381 (Address) — Authorization No. ~~N/A ASE 10/5/92~~

Expiration Date

4. Identification of System DEMIN. WTR 059

5. (a) Applicable Construction Code AISC 19 Edition, Addenda, Code Case STEEL CONST. MANUAL, 7TH EDITION N/A ASE 10/5/92

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 N/A ASE 10/5/92

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 1059-A492-1-35A | TVA | 1059-A492 -1-35A | NONE | NONE | 1992 | REPLACEMENT | NO |
| | | | | | | | |
| | | N/A ASE | | 10/5/92 | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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REPRINT 12/91

WP D-16 473-03

Page 6A cont. on Page 7

FORM NIS-2 (Back) SHEET 2 OF 2

9. Remarks SEE BLOCK NO. 7

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-239

**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 ASE 10/6/92

Certificate of Authorization No. N/A ASE 10/6/92 Expiration Date

Signed [signature] 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 Earnsh Commissions TN # 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/16 19 92

WATTS BAR NUCLEAR
OCT 0 9 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) — 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. MOOS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMO 10/29/92
Expiration Date N/A

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code ASC 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-19 | N/A WMO 10/29/92 | NONE | NONE | DCA-P045BA-09 -10 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A | WMO 10/29/92 | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work ENLARGED HOLES IN BASEPLATE TO ALLOW INSTALLATION OF LARGER ANCHORS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A
Other ☐ ~~Pressure~~ _____ psi Test Temp. N/A WMO 10/29/92 °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.

(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

WORK INSTRUCTION D-04584-01 PAGE 4

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WORK INSTRUCTION D-04584-01

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-240 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [signature] (Owner or Owner's Designee, Title) Date 10/29, 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 PI 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. Earnsh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 2/6 19 93

TVA NUCLEAR
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) — 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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMD 10/29/92
Expiration Date N/A
4. Identification of System SYSTEM #062, CVCS
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A WMD 10/29/92 Addenda, N/A WMD 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-16 | N/A WMD 10/29/92 | NONE | NONE | DCA-PD4584-07 -09 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A WMD 10/29/92 | | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORT BY REMOVING EXIST. BASEPLATE AND INSTALLING NEW BASEPLATE, ANCHORS, AND STIFFNERS.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F
N/A WMD 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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WORK INSTRUCTION D-04584-01

WORK INSTRUCTION D-04584-01

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-241 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A WMD 10/29/92

Certificate of Authorization No. N/A WMD 10/29/92 Expiration Date N/A WMD 10/29/92

Signed [signature] (Owner or Owner's Designee, Title) Date 10/29, 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 _____ 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. Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 2/6 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) — 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. MOOS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMO 10/29/92
Expiration Date N/A
4. Identification of System SYSTEM # 062 CVCS
5. (a) Applicable Construction Code ASME 7TH 1973 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 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) |
|---|---|---|---|---|---|---|---|
| 2 1062-1-62A-13 WMO 10/29/92 | N/A WMO 10/29/92 | NONE | NONE | DCA-P04584-03 -04 -05 DCA-P04584-06 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A WMO 10/29/92 | | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORT BY ADDING NEW BASEPLATE, ANCHORS, KICKER, AND STIFFNER PLATES.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A
~~Other~~ ☐ ~~Pressure~~ _____ psi ~~Test Temp.~~ _____ °F WMO 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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WORK INSTRUCTION D-04584-01

WORK INSTRUCTION D-04584-01

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-242 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [signature] 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. Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/6 19 93

NOV 10 1992
TVA NUCLEAR

# 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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System SYSTEM #074, RHR
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A 8/14/92 Addenda, N/A 8/14/92 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R22 | N/A 8/14/92 | NONE | NONE | DCA-P05709-34, -35, -36 | UNKNOWN | REPLACEMENT | NO |
| 1074-74-1RHR-R33 | | NONE | NONE | DCA-P05709-38, -39 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work ENLARGED HOLES IN BASEPLATES FOR LARGER ANCHORS.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Pressure N/A 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.

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# 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 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A WMD 8/14/92

Certificate of Authorization No. N/A WMD 8/14/92 Expiration Date N/A WMD 8/13/92

Signed [signature] (Owner or Owner's Designee, Title) Date 8/14/92, 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 _____ 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 Ennis (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 3/30, 19 93

(12/82)

WATTS BAR
TVA NUCLEAR
AUG 14 1992

# 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 (Name) — Date 10/8/92
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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMD 10/8/92
Expiration Date N/A
4. Identification of System SYSTEM # 074, RHR
5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A WMD 10/8/92 Addenda, N/A WMD 10/8/92 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R26 | N/A WMD 10/8/92 | NONE | NONE | DCA-P05709-37 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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~~ N/A psi Test Temp. N/A WMD 10/8/92 °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.

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# WORK INSTRUCTION D-05709-04

Page 5D cont. on Page 5E

FORM NIS-2 (Back)

9. Remarks

TRACKING # 92-244 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 L Dodd (Owner or Owner's Designee, Title) Date 10/8/92, 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 _____ 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 Earnsh (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 3/30 19 93

WATTS BAR TVA NUCLEAR NOV 11 1992

# 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) — Date 10/8/92
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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. WMO 10/8/92
Expiration Date
4. Identification of System SYSTEM #074, RHR
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A WMO 10/8/92 Addenda, N/A WMO 10/8/92 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R34 | N/A WMO 10/8/92 | NONE | NONE | DCA-P05704-40 DCA-P05704-41 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work CUT EXISTING REAR BRACKET FROM BASEPLATE. INSTALLED NEW BASEPLATE AND ANCHORS. WELDED REAR BRACKET BACK TO NEW BASEPLATE.
8. Tests Conducted: Hydrostatic Pneumatic ☐ N/A Nominal Operating Pressure ☐
Other ☐ ~~Pressure~~ ~~psi~~ Test Temp. °F
WMO 10/8/92

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.



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# WORK INSTRUCTION D-05709-04

Page 5F cont. on Page 5G

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-245 Sly 11/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A wmo 10/8/92

Certificate of Authorization No. N/A wmo 10/8/92 Expiration Date N/A wmo 10/8/92

Signed [signature] Owner or Owner's Designee, Title Date 10/8/92, 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 _____ 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 Ramsey Inspector's Signature Commissions TN-2534 National Board, State, Province, and Endorsements

Date 3/30/93 19

WATTS BAR TVA NUCLEAR NOV 11 1992

# 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 (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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. WMD — Expiration Date 8/14/92
4. Identification of System SYSTEM # 074, RHR
5. (a) Applicable Construction Code ASC 7TH 1973 Edition, N/A WMD 8/14/92 Addenda, N/A WMD 8/14/92 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R37 | N/A WMD 8/14/92 | NONE | NONE | DCA-D05709-42 -43 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A WMD 8/14/92 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORT BY CUTTING EXISTING REAR BRACKET FROM W6X15.5. REMOVED W6X15.5 AND INSTALLED T.S. AND PLATES. WELDED SNUBBER REAR BRACKET BACK IN PLACE.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Pressure N/A psi Test Temp. N/A WMD 8/14/92 °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.

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# WORK INSTRUCTION D-05709-04

Page 5H cont. on Page 5I

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-246 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 WMD 8/14/92

Certificate of Authorization No. N/A WMD 8/14/92 Expiration Date N/A WMD 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 Earnsh Commissions TN-2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/30 19 93

(12/82)

WATTS BAR
TVA NUCLEAR
AUG 14 1992

# WORK INSTRUCTION D04665-01

Page 6 cont. on Page 6A

~~[illegible]~~ SLG 10/21/92

## 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) — Date 10/21/92
   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-06~~ D-04665-01 SLG 10/21/92 (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 SLG — Expiration Date / 10/21/92
4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM # 063
5. (a) Applicable Construction Code AISC, 7th 1973 Edition, N/A SLG 10/21/92 Addenda, N/A SLG 10/21/92 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 EDITION W/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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT | N/A SLG 10/21/92 | NONE | NONE | 1063-A435-1-9 ① | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT | N/A SLG 10/21/92 | NONE | NONE | 1063-63-1SIS-R34 ② | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT | N/A SLG 10/21/92 | NONE | NONE | 1063-63-1SIS-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 A SLG 10/21/92 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.

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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



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturers Data Reports to be attached

TRACKING NUMBER 92-247 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 Owner or Owner's Designee, Title MECH. ENGR. Date 10/21, 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 _____ 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 Earnest
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 12/22 19 92

NOV 17 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) — Date 11-16-92
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) — Sheet ____ of ____
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1 ~~WP D-04642-05~~ 11-16-92
P.O. BOX 2000 SPRING CITY, TN (Address) — WP D04642-05 (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. N/A — 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 | 11/16/92 | | | 11-16-92 | | | |
| 1063-1-63-360 | | | | | | | |
| 1063-1-63-361 | N/A | | | | | REPLACEMENT | NO |
| PIPE △ | | | | | | REPAIR | NO |

7. Description of Work SUPPORT MODIFICATIONS △ Defect removal (~~ARC STRIKE~~ DENTS) on Pipe 11-17-92
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ ____ psi ~~Test Temp.~~ ____ °F 11-16-92

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.

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REPRINT 12/91

NOV 17 1992

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-248 11/17/92

**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. N/A Expiration Date

Signed [illegible] MECH ENGR 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 I&I 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. Carmichael Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/20 19 93


cont. on Page 7

SIGNED 12-11-92



# 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) — Date 11/13/92
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 (Address) — WORKPLAN # D04667-14 (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 SLG — Expiration Date / 11/13/92
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYSTEM #063
5. (a) Applicable Construction Code ASC, 7th 19 73 Edition, N/A SLG 11/13/92 Addenda, N/A SLG 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 | N/A SLG 11/13/92 | NONE | NONE | 1074-A432-1-6 ① | UN-KNOWN | REPLACEMENT ~~REPLACEMENT~~ SLG 11/13/92 | NO |
| ↓ | ↓ | ↓ | ↓ | 1074-A432-1-7 ② | ↓ | ↓ | ↓ |
| | | | | 1072-A437-1-17 ③ | | | |
| | | | N A SLG 11/13/92 | | | | |

7. Description of Work MODIFIED PIPE SUPPORTS
8. Tests Conducted: ~~Hydrostatic~~ N SLG 11/13/92 Pneumatic ☐ Nominal Operating Pressure ☐ A 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.



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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-249 11/17/92

**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 SLG 11/13/92

Certificate of Authorization No. N/A SLG 11/13/92 Expiration Date N/A SLG 11/13/92

Signed Owner or Owner's Designee, Title MECH. ENGR. Date NOVEMBER 13, 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 ASBI+I Co 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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date 12-14-92 19

# WORK PLAN No. D-04667-14

Page 6A cont. on Page 7

TVA NUCLEAR

NOV 17 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) — Date 11-20-92
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 # D04599-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A 11-20-92
4. Identification of System Chemical Volume Control System / Sys # 062
5. (a) Applicable Construction Code ASME SECTION III 19 71 Edition, thru SUMMER 1973 Addenda, N/A 11-20-92 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 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 |
| | | | | | | | |
| | | N/A 11-20-92 | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REMOVED defect in pipe (NO WELDING PERFORMED)
8. Tests Conducted: ~~Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp. _____ °F 11-20-92

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

REPRINT 12/91

Page 6A cont. on Page 6B

WATTS BAR

NOV 2 0 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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. (Owner or Owner's Designee, Title) JOHN J FARMER Date 20 NOV. 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 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 Eumigh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 12/12 19 92

WP D04599-01

WATTS BAR TVA NUCLEAR 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 (Name) — Date 11/13/92
   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 D05724-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by T.V.A. MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp ____
   WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A B2P 11-13-92 — Expiration Date ____
4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM 74
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A B2P 11-13-92 Addenda, N/A B2P 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 | REPLACEMENT | NO |
| 1074-74-1RHR-R181 | N/A B2P 11-13-92 | NONE | NONE | DCA(S) P05724-12-0 P05724-13-0 P05724-14-0 | UNKNOWN | REPLACEMENT | NO |
| 1074-74-1RHR-R179 | N/A B2P 11-13-92 | NONE | NONE | DCA(S) P05724-10-0 P05724-11-0 | UNKNOWN | REPLACEMENT | 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 ☐ N/A B2P 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-251 11/23/92

### 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 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 [signature] 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. & I. 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.

[signature] Commissions TN2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-10 19 93.

Work Order D05724-02

Page 4A Sheet 5 of Page 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 (Name) — Date 11-25-92
400 W. Summit Hill Dr., 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) — WP D04594-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System Chemical Volume Control System / 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) |
|---|---|---|---|---|---|---|---|---|
| 1 | PIPE SUPPORT | N/A | NONE | NONE | ID# 1-062-1-62A-805 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A | NONE | NONE | ID 1062-1-62A-806 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

7. Description of Work ① REPLACED STRUT & CLAMP (DCA P04594-08) ② REPLACED STRUCTURAL MEMBERS (DCA P04594-11)
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WATTS BAR

TVA NUCLEAR

NOV 2 5 1992

FORM NIS-2 (Back)

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

Certificate of Authorization No. 11-25-92 Expiration Date

Signed
Owner or Owner's Designee, Title

Date 25 NOV., 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 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.

Inspector's Signature

Commissions TN 2534
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) — Date 11/25/92
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 # D04667-07 (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 SLG
Expiration Date / 11/25/92
4. Identification of System SAFETY INJECTION SYSTEM (SIS)/SYSTEM #-063
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A SLG 11/25/92 Addenda, N/A SLG 11/25/92 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 SLG 11/25/92 | NONE | NONE | 1063-63-1SIS-R203 ① | UN-KNOWN | REPLACEMENT | NO |
| ↓ | ↓ | ↓ | ↓ | 1063-63-1SIS-R206 ② | ↓ | ↓ | ↓ |
| | | | | 1063-63-1SIS-R207 ③ | | | |
| | | | | 1063-63-1SIS-R218 ④ | | | |
| ↓ | ↓ | ↓ | ↓ | 1063-63-1SIS-R219 ⑤ | ↓ | ↓ | ↓ |

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐
Other ☐ ~~Pressure~~ N/A SLG 11/25/92 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-P04667-72-0, -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.
⑤ DCA-P04667-87-1, -88-0, -04-1.

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACK # 92-253 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 [signature] 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.

[signature] Commissions TN.2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-1 19 93

WATTS BAR TVA NUCLEAR NOV 25 1992

Page 5A 5E cont. on Page 6 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) — Date 11/25/92
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 # D04667-06 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp /
NATTS BAR NUCLEAR PLANT (Address) — 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 11/25/92 Addenda, N/A SLG 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 SLG 11/25/92 | NONE | NONE | 1063-63-1SIS-R165 ① | UN-KNOWN | REPLACE-MENT | NO |
| ↓ | ↓ | ↓ | ↓ | 1063-63-1SIS-R173 ② | ↓ | ↓ | ↓ |
| | | | | 1063-63-1SIS-R174 ③ | | | |
| | | | | 1063-63-1SIS-R175 ④ | | | |
| ↓ | ↓ | ↓ | ↓ | 1063-63-1SIS-R181 ⑤ | ↓ | ↓ | ↓ |

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐
Other ☐ Pressure ~~N~~ A SLG 11/25/92 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-P04667-60-0,-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

7-13-93 7-13-93

Page ~~6~~ 5F cont. on Page ~~7~~ 5G

FORM NIS-2 (Back)

9. Remarks TRACK # 92-254 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [signature] MECH. ENGR. (Owner or Owner's Designee, Title) Date NOVEMBER 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 HSB I&I 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. Pinnell (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 7/-- 19 93

WATTS BAR TVA NUCLEAR NOV 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 (Name) — Date 12-2-92
   NUCLEAR POWER (Address) — Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
   P.O. Box 2000, Spring City, TN (Address) — WORK PLAN D-04515-05 (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 (Address) — 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 12-2-92 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) |
|---|---|---|---|---|---|---|---|
| 1001-A400-7-31 | | | | FDCN F17074A DCA P04515-15-0 | | | |
| 1001-A400-7-39 | | NA RPL 12-2-92 | | FDCN F17075A DCA P04515-20-0 | | | |
| 1001-A400-7-47 | | | | FDCN F21609A DCA P04515-24-0 | | | |
| | | | NA RPL 12-2-92 | | | | |
| | | | | | | | |

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. _____ °F NA RPL 12-2-92

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

WP D-04515-05

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FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-255 12/2/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA 12-2-92

Certificate of Authorization No. NA 12-2-92 Expiration Date

Signed Robert P Lee (Owner or Owner's Designee, Title) Date 12-2, 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 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 Earnsh (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 2/19 19 93

# WORK INSTRUCTION D-04734-02

Page 4A cont. on Page ~~4B~~ 5 4B gcd 12/3/92

**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) — Date 12-1-92
   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-04734-02 (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 gcd 12/1/92 — Expiration Date ____
4. Identification of System Chemical VOLUME CONTROL SYSTEM SYSTEM # 062
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A gcd 12/1/92 Addenda, N/A gcd 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 gcd 12/1/92 | NONE | NONE | 1062-62-ICVC-R14 | UNKNOWN | REPLACEMENT | NO |
| (2.) | PIPE-SUPPORT | N/A gcd 12/1/92 | NONE | NONE | 1062-62-ICVC-R018 | UNKNOWN | REPLACEMENT | NO |
| (3.) | PIPE-SUPPORT | N/A gcd 12/1/92 | NONE | NONE | 1062-62 ICVC-R21 | UNKNOWN | REPLACEMENT | NO |
| (4.) | PIPE-SUPPORT | ~~N/A gcd 12/1/92~~ | NONE | ~~NONE~~ N A | 1062-62 ICVC-R11 | UNKNOWN | REPLACEMENT ~~REPAIRED~~ gcd 12/1/93 | 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 NON-ASME) SDR 1-22-93
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F N/A gcd 12/1/92

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

WP D-04734-02

Page 4B cont. on Page 5

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-256 12/3/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A 12/1/92

Certificate of Authorization No. N/A 12/1/92 Expiration Date N/A 12/1/92

Signed Joseph E Davis (Owner or Owner's Designee, Title) Date Dec 2, 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 8-30-91 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.

Stephen B. Peate (Inspector's Signature) Commissions TN 2533 (National Board, State, Province, and Endorsements)

Date 2-5 19 93

DEC 03 1992

TVA Records DEC 01 19

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)
   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 MECH. MODIFICATIONS (Name)
   WATTS BAR NUCLEAR PLANT (Address)

Date 12/4/92
Sheet 1 of 1
Unit 1
WORKPLAN D-14941-02 (Repair Organization P.O. No., Job No., etc.)
Type Code Symbol Stamp
Authorization No. N/A B2P 12/4/92
Expiration Date

4. Identification of System AUX. FEEDWATER
5. (a) Applicable Construction Code AISC, 7TH 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 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) |
|---|---|---|---|---|---|---|---|
| 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 |
| | | | | | | | |
| | | | N/A B2P 12/4/92 | | | | |
| | | | | | | | |

7. Description of Work MODIFY SUPPORTS PER DCA M14941-18 (1003-A060-3-11) AND DCA ~~M14918~~ M14941-19 (1003-A060-3-9). B2P 12/4/92
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.

(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

PG 6A CONT'D ON 7
~~WPD 14941-02~~ 12-4-92
WPD14941.02

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 L. Perdue (Owner or Owner's Designee, Title) Date DEC. 4, 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 _____ 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 12/4 19 92

WATTS BAR
TVA NUCLEAR
DEC 0 1 1992

WORK INSTRUCTION D-04621-02



**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 12/3/92
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-04621-02 (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 JED 12/3/92 — Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A JED 12/3/92 Addenda, N/A JED 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 JED 12/3/92 | NONE | NONE | 1062-A060-62-14 | UNKNOWN | REPAIRED | NO |
| (2) | PIPE SUPPORT | N/A JED 12/3/92 | NONE | NONE | 1062-A060-62-100 | UNKNOWN | REPAIRED | NO |
| (3) | PIPE SUPPORT | N/A JED 12/3/92 | NONE | NONE | 1062-62-1CVC-R137 | UNKNOWN | REPLACEMENT | NO |
| (4) | PIPE SUPPORT | N/A JED 12/3/92 | NONE | NONE | 1062-62-1CVC-R143 | UNKNOWN | REPLACEMENT | NO |
| (5) | PIPE SUPPORT | N/A JED 12/3/92 | NONE | NONE | 1062-62-1CVC-R144 | UNKNOWN | REPLACEMENT | NO |

7. Description of Work (1) REINSTALLED WEDGE BOLT (2) ADDED WELD METAL (3) REPLACED OLD MATERIAL (4) ADDED NEW ANGLE IRON (5) INSTALLED NEW STRUT
AND PERFORMED WELD FILLERMATIC SEE 1-25-93 JED 12/4/92
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
Other ☐ ~~Pressure~~ N/A 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

WORK INSTRUCTION WP# D04621-02



FORM NIS-2 (Back)

9. Remarks TRACKING #92-0260

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 JEW 12/4/92

Certificate of Authorization No. N/A JEW 12/4/92 Expiration Date N/A JEW 12/4/92

Signed Joseph E 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 HSB 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.

[illegible] Commissions TN 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 93.

WATTS BAR
TVA NUCLEAR
JAN 04 1993

DEC 04 1



# 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 12/3/92
   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-04667-09 (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 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 SLG 12/3/92 Addenda, N/A SLG 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 | N/A SLG 12/3/92 | NONE | NONE | 1063-63-1SIS-R230 ① | UNKNOWN | REPLACEMENT | NO |
| ↓ | ↓ | ↓ | ↓ | 1063-63-1SIS-R232 ② | ↓ | ↓ | ↓ |
| | | | | 1063-63-1SIS-R246 ③ | | | |
| | | | | 1063-63-1SIS-R248 ④ | | | |
| | | | N/A SLG 12/3/92 | | | | |

7. Description of Work PIPE SUPPORT MODIFICATIONS
8. Tests Conducted: ~~Hydrostatic~~ ~~Pneumatic~~ A SLG 12/3/92 ☐ 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-P04667-97-1, -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.

REPRINT 12/91

# 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A SLG 12/3/92

Certificate of Authorization No. N/A SLG 12/3/92 Expiration Date N/A SLG 12/3/92

Signed Sam L Gentry MECH. ENGR. (Owner or Owner's Designee, Title) Date DECEMBER 3, 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 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 B. Hales (Inspector's Signature) Commissions TN2533 (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) — Date 12-8-92
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. (Address) — WP# D 04625-01 (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 12-8-92
4. Identification of System CHEMICAL VOLUME CONTOL SYSTEM (CVCS) / Sys. 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A 12-8-92 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) |
|---|---|---|---|---|---|---|---|---|
| 1 | PIPE SUPPORT | N/A | NONE | NONE | 1062-A060-62-21 | UNKNOWN | REPLACEMENT | NO |
| 2 | | 12-8-92 | | | 1062-62-ICVC-R245 | | Replacement | NO |
| 3 | PIPE SUPPORT | | | | 1062-62-ICVC-R248 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | | | | | |

7. Description of Work ① REPLACED MEMBERS, plate & anchors, ② Replace angle & add kicker,
8. ~~Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐~~
~~Other ☐ Pressure _____ psi Test Temp. _____ F~~
N/A 12-8-92

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks WP D04625-01

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-262 12/10/92

(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. 12-8-92 Expiration Date

Signed 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 HSB I&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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date 1-4 19 93

 cont. on Page 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 (Name) — Date 12/8/92
   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-04593-01 (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 SLG — Expiration Date / 12/8/92
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM (CVCS)/SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A SLG 12/8/92 Addenda, N/A SLG 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 | N/A SLG 12/8/92 | NONE | NONE | 1062-1-62A-339 ① | UN-KNOWN | REPLACEMENT /REPAIRED | NO |
| | | | | 1062-1-62A-340 ② | | REPLACEMENT | |
| | | | | 1062-1-62A-341 ③ | | REPAIRED | |
| | | | | 1062-1-62A-345 ④ | | REPLACE-MENT/REPAIR | |
| | | | | 1062-1-62A-348 ⑤ | | REPLACE-MENT | |

7. Description of Work ① REPLACED SUPPORT MEMBERS/ADD WELD METAL TO EXISTING WELD. ② REPLACED MEMBERS. ③ ADDED WELD METAL. ④ REPLACED MEMBERS/ADDED NEW WELD. ⑤ REPLACED ENTIRE SUPPORT STRUCTURE/ANCHORS. 12/8/92 SLG
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ A SLG 12/8/92
   Other ☐ Pressure N 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-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-04593-01

Page 6A cont. on Page 6B

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #92-263 12/8/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A SLG 12/8/92

Certificate of Authorization No. N/A SLG 12/8/92 Expiration Date N/A SLG 12/8/92

Signed [signature] MECH. ENGR. (Owner or Owner's Designee, Title) Date DECEMBER 8, 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 TN and employed by HSB I & I CO. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-8-4-91 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.

WORK INSTRUCTION D-04642-08

# 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 (Name) Date 12/8/92
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. 04642-08 (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. N/A Expiration Date 12/8/92
4. Identification of System SAFETY INJECTION / SYSTEM #63
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A JCD 12/8/92 Addenda, N/A JCD 12/8/92 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 JCD 12/8/92 | NONE | NONE | * 1063-1-63-353 | UNKNOWN | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work ADDED WELD METAL TO EXISTING WELD
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ JCD 12/8/92 Nominal Operating Pressure ☐
Other ☐ Pressure N/A 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

* DCA-P04642-60

REPRINT 12/91

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 GJ 12/9/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JEO ~~7/27/92~~ 12/8/92 12/8/92

Certificate of Authorization No. N/A JEO 12/8/92 Expiration Date N/A JEO 12/8/92

Signed Joseph E Davis (Owner or Owner's Designee, Title) Date Dec 8, 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 _____ 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.

Brian M Earnest (Inspector's Signature) Commissions TN 2534 (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 (Name) — Date
400 W. SUMMIT HILL DRIVE, KNOXVILLE TN (Address) — Sheet ____ of ____

2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
PO BOX 2000, SPRING CITY, TN 37381 (Address) — WO-92-06416-00 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by WATTS BAR NUCLEAR MAINT (Name) — Type Code Symbol Stamp NR
PO BOX 2000, SPRING CITY, TN 37381 (Address) — Authorization No. — Expiration Date
12/10/92

4. Identification of System 74 - RESIDUAL HEAT REMOVAL

5. (a) Applicable Construction Code ASME III 19 71 Edition, S73 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 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 BOLTING ~~AND INLET/OUTLET~~ ~~SHELL FLANGE BOLTING~~ NHS 7/17/93

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal ~~Operating Pressure~~ ☐
Other ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F N/R 12/10/92

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

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-267 12/10/92

**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/R 12/10/92

Certificate of Authorization No. NR 12/10/92 Expiration Date N/R 12/10/92

Signed Daniel L. Shiely 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 I. AND 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, 19 93

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 (Name) — Date 12-10-92
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-04587-01 (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 12/10/92
Expiration Date
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 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 12/10/92 | NONE | NONE | 1062-1-62A-102 | 92 UNKNOWN △ | REPLACEMENT ~~REPAIR~~ | NO |
| 2 | PIPE SUPPORT | N/A 12/10/92 | NONE | NONE | 1062-1-62A-107 | 92 UNKNOWN △ | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | N/A 12/10/92 | NONE | NONE | 1062-1-62A-109 | 92 UNKNOWN △ | REPLACEMENT | NO |
| 4 | PIPE SUPPORT | N/A 12/10/92 | NONE | NONE | 1062-1-62A-110 | 92 UNKNOWN △ | REPLACEMENT | NO |
| | | | | | | | | |

7. Description of Work 1. REPOSITIONED PIPE CLAMP 2. ADDED PLATES TO SUPPORT 3. CHANGED U-BOLT 4. CHANGED PIN TO PIN DIMENTION AND COLD SETTING.
8. Tests Conducted: Hydrostatic Pneumatic N/A Nominal Operating Pressure
Other ~~Pressure~~ psi Test Temp. °F 12/10/92

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, NY 10017

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△ 10-19-92

MAY 06 1993

WORK ING ... D-04587-01

Page 3B Sheet 4 of 3C 6.19.43

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #92-268 12/10/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A 12/10/92

Certificate of Authorization No. N/A 12/10/92 Expiration Date N/A 12/10/92

Signed Joseph P Cais (Owner or Owner's Designee, Title) Date DEC 10, 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 IEI 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. Earnsley (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 6/18 19 93

MAY 06 1993

DEC 11 1992

D 14941 03



# 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. N/A ASI 12/12/92

Expiration Date

4. Identification of System MAIN & AUX FEEDWATER / 03

5. (a) Applicable Construction Code AISC 19 ~~Edition~~, ~~Addenda~~, STEEL CONTS. MANUAL, 7TH EDITION Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ASI 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~~ MODIFIED | 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 ~~NONE~~ | 1992 | Replacement ~~REPAIRED~~ SDR 12/14/92 | NO |
| | | | | AH 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 ASI 12/12/92

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

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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 ASI 12/14/92

Certificate of Authorization No. N/A ASI 12/12/92 Expiration Date N/A ASI 12/12/92

Signed [signature] MODS PE Date 12/12, 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 HSB I&I 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 19 92

WATTS BAR TVA NUCLEAR NOV 20 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 (Name) — Date 12-11-92

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 37381 (Address) — WORKPLAN # D00909-01 (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 12-11-92

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-AH00-6-182 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work INSTALL new strut & clamp

8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☒ Nominal Operating Pressure ☐

Other ☐ Pressure ~~N/A 12-11-92 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

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WATTS BAR 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 12-11-92 Expiration Date N/A 12-11-92

Signed [signature] RD ENG Date 1-14-93, 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 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.

[signature] Commissions TN2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/24 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) — Date 12/12/92

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 05709-07 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by T.V.A. MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp ____

WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A B2P 12/12/92 — Expiration Date ____

4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM 74

5. (a) Applicable Construction Code AISC 7TH 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 1074-74-1RHR-R96 | N/A B2P 12/12/92 | NONE | NONE | DCA P05709-61-0 DCA P05709-62-0 | UNKNOWN | REPLACEMENT | NO |
| SUPPORT 1074-74-1RHR-R98 | N/A B2P 12/12/92 | NONE | NONE | DCA P05709-63-0 | UNKNOWN | REPLACEMENT | NO |
| SUPPORT 1074-74-1RHR-R124 | N/A B2P 12/12/92 | NONE | NONE | DCA P05709-64-0 DCA P05709-65-0 | UNKNOWN | REPLACEMENT | NO |
| SUPPORT 1074-74-1RHR-R131 | N/A B2P 12/12/92 | NONE | NONE | DCA P05709-67-0 DCA P05709-68-0 DCA P05709-69-0 | UNKNOWN | REPLACEMENT | NO |
| SUPPORT 1074-74-1RHR-R125 | N/A B2P 12/12/92 | NONE | NONE | DCA P05709-66-0 | UNKNOWN | REPLACEMENT | 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 1 2 1992

D-05709-07

6A 6B

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-271 bly 12/14/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A B&P 12/12/92

Certificate of Authorization No. N/A B&P 12/12/92 Expiration Date N/A B&P 12/12/92

Signed Bradford L. Perdue (Owner or Owner's Designee, Title) Date Dec. 12, 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 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 B. Fuller (Inspector's Signature) Commissions TN2533 (National Board, State, Province, and Endorsements)

Date 2-6 19 93

WATTS BAR TVA NUCLEAR

FEB 0 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 (Name) Date 12-18-92
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN (Address) Sheet _____ of _____

2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
P.O. BOX 2000 SPRING CITY, TN (Address) WP D-04608-01 (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 _____

4. Identification of System CHEMICAL + VOLUME CONTROL SYSTEM 1062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A 9/19 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) |
|---|---|---|---|---|---|---|---|
| 1062-62-1CVC-R209 | N/A 9/19 12-18-92 | NONE | NONE | N/A 9/19 12-18-92 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| S | | | A 9/19 12-18-92 | | | | |
| | | N | | | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATION

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N A 9/19 12-18-92
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



REPRINT 12/91

# WORK INSTRUCTION D-04608-01

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-275 12/22/92

**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. 3-20-93 Expiration Date

Signed Owner or Owner's Designee, Title Date 3-20-93, 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 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 3-20 19 93.

WATTS BAR TVA NUCLEAR JAN 0 6 1993

Page 7 Continued 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) — 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 JCO — Expiration Date N/A 12/30/92
4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM# 70
5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A JCO 12/30/92 Addenda, N/A JCO 12/30/92 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 JCO 12/30/92 | NONE | NONE | 1070-A060-70-16 | UNKNOWN | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A JCO 12/30/92

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. ____ °F
   JCO 12/30/92

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

WORK INSTRUCTION D-14941-20

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks TRACKING # 92-276 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JEL 12/30/92

Certificate of Authorization No. N/A JEL 12/30/92 Expiration Date N/A JEL 12/30/92

Signed Joseph E Dais (Owner or Owner's Designee, Title) Date ~~JAN~~ Dec 30 ~~JEL~~ 12/30/92, 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 _____ 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 Eamigh (Inspector's Signature) Commissions TN# 2534 (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 (Name) — Date 12/18/92
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-15790-01 (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 JEB 12/18/92
Expiration Date ____
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A JEB 12/18/92 Addenda, N/A JEB 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 | N/A JEB 12/18/92 | NONE | NONE | 1062-A406-18-1 | UNKNOWN | REPLACEMENT ~~REPAIRED~~ B2P 1-25-93 | NO |
| 2. | PIPE SUPPORT | N/A JEB 12/18/92 | NONE | NONE | 1062-A406-18-2 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 psi Test Temp. ____ °F JEB 12/18/92

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

WORK INSTRUCTION D-15790-01 REPRINT 12/91

JAN 1 1 1993
TVA NUCLEAR
WATTS BAR

Page 6a cont. on Page 7

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 92-276 12/22/92

**CERTIFICATE OF COMPLIANCE** 1-25-93

We certify that the statements made in the report are correct and this ~~Repair Replacement~~ repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A 12/18/92

Certificate of Authorization No. N/A 12/18/92 Expiration Date N/A 12/18/92

Signed Joseph E Pai 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 11-14-91 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.

Inspector's Signature Commissions TN 2537.
National Board, State, Province, and Endorsements

Date 3-20 19 93.

WORK INSTRUCTION D-15790-01

# 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 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-06108-02 (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 gcd 12/30/92 — Expiration Date
4. Identification of System COMPONENT COOLING SYSTEM / SYSTEM # 70
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A gcd 12/30/92 Addenda, N/A gcd 12/30/92 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 gcd 12/30/92 | NONE | NONE | 1070-A464-20-3 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A gcd 12/30/92 | NONE | NONE | 1070-A464-20-4 | UNKNOWN | REPAIR | NO |
| 4 gcd 12/30/92 | PIPE SUPPORT | N/A gcd 12/30/92 | NONE | NONE | 1070-A464-20-21 | UNKNOWN | REPAIR | NO |
| 3 4 gcd 12/30/92 | PIPE SUPPORT | N/A gcd 12/30/92 | NONE | NONE | 1070-A464-20-22 | UNKNOWN | REPAIR | NO |
| 5 | PIPE SUPPORT | N/A gcd 12/30/92 | NONE | NONE | 1070-1-70-020 | UNKNOWN | REPAIR | NO |

7. Description of Work 1. INSTALL NEW BASE PLATE 2. ADDING TO WELDS 4 gcd 12/30/92. 3 gcd 12/30/92 FINISH PAINTING 5 RESET SPRING CAN
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure ~~N/A~~ gcd 12/30/92 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.

D 06108-02

Page 7 cont. on Page 11

FORM NIS-2 (Back)

9. Remarks TRACKING# 92-277 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/~~REPLACEMENT~~ conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A ~~ECL~~ 12/30/92

Certificate of Authorization No. N/A ~~ECL~~ 12/30/92 Expiration Date N/A ~~ECL~~ 12/30/92

Signed Joseph E Dai
Owner or Owner's Designee, Title

Date Dec 30, 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 _____ 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 Earnest
Inspector's Signature

Commissions TN-2534
National Board, State, Province, and Endorsements

Date 1/23 19 93

WATTS BAR TVA NUCLEAR 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 (Name) — Date 10/12/92

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-04641-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (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 (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-B-35 | TVA | NONE | NONE | 1063-A435-B-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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Page 6A cont. on Page 6B

WORKPLAN D-04641-01

FORM NIS-2 (Back)

9. Remarks WORK PERFORMED IN ACCORDANCE WITH DCA P04641-03-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 10/12/92 903 10/12/92, 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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date 10-27 19 92

WATTS BAR TVA NUCLEAR OCT 13 1992

WATTS BAR 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 TENNESSEE VALLEY AUTHORITY (Name) — Date 8-14-92
   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) — WORK PLAN D-041641-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (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 (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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT 1063-1-63-571 | TVA | NONE | NONE | 1063-1-63-571 | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACE BP PARTS 2540-.35 + 2640-.35 WITH BP PARTS 2420-.65 + 6202-.7. REMOVED 1 EXISTING PIECE OF TS 3X3X3/16 + INSTALLED 1 NEW PIECE OF TS 3X3X3/16.
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR TVA NUCLEAR

OCT 13 1992

WORK PLAN D-04641-01

Page 6C cont. on Page 6D

FORM NIS-2 (Back)

9. Remarks WORK ~~PERFORMED~~ PERFORMED IN ACCORDANCE WITH DCA P04641-17-0 AND DCN F-19337-4

Applicable Manufacturer's Data Reports to be attached

92-X002 10/28/92

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NONE

Certificate of Authorization No. NOT REQ'D Expiration Date NOT REQ'D

Signed [signature], PROJECT ENGR (Owner or Owner's Designee, Title) Date 8-14, 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 ASBI+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 TN2533

Inspector's Signature National Board, State, Province, and Endorsements

Date 10-27 19 92

Page 6D cont. on Page ~~6E 7~~ 6E gjs 6/13/92

WATTS BAR TVA NUCLEAR AUG 14 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) — Date 8-14-92
   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-0464-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (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 (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 1063-1-63-289 | TVA | NONE | NONE | 1063-1-63-289 | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 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 Haley, 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 HSB I+I Co. Hartford, CT of 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.

Inspector's Signature Commissions TN 2533
National Board, State, Province, and Endorsements

Date 10-27 19 92

WATTS BAR TVA RECEIVED 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 (Name) — Date 11-6-92
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) — WP # D00278-08 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
P.O. BOX 2000 SPRING CITY TN. (Address) — Authorization No. TSF — Expiration Date 11-6-92
4. Identification of System 63 / SIS

5. (a) Applicable Construction Code AISC 19 73 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 | | N/A TSF 11-6-92 | | 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 SNUBBER

8. Tests Conducted: ~~Hydrostatic~~ Pneumatic ☐ N/A TSF 11-6-92 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

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WP D-00278-08

Page 6A Data Sheet Page 7

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-001 dy 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 TSF 11-6-92

Certificate of Authorization No. N/A TSF 11-6-92 Expiration Date N/A TSF 11-6-92

Signed Timothy S Faccioni 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 I & I 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 Earnigl Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/22 19 92

WATTS BAR
DEC 0 6 1992

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 1/5/93
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 NONE

Certificate of Authorization No. NONE Expiration Date NONE

Signed John D. Sampson Date ~~10 12-7-92~~ 12-7 ~~12-7-92~~ 12-7-92, 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 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 M. Earnsly Commissions TN-2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/26 19 92

WATTS BAR TVA NUCLEAR DEC 0 5 199

**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 (Name) — Date 12-7-92

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 D-00278-05 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (Name) — Type Code Symbol Stamp ~~N A~~

PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. ~~N A 9023 12-7-92~~

Expiration Date

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 A 9023~~ | ~~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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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DEC 2 3

Page 4A cont on Page 4B

D-14941-18

1-11-93

# 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 1-5-93
   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 37381 (Address) — WP# D-14941-18 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by P.O. Box 2000 SPRING CITY, TN (Name) — Type Code Symbol Stamp ~~N/A~~
   P.O. Box 2000 SPRING CITY, TN (Address) — Authorization No. N/A — Expiration Date 1-5-93
4. Identification of System 070 / CCS
5. (a) Applicable Construction Code ASC 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) |
|---|---|---|---|---|---|---|---|
| 1070-AOG-0-70-8 | | N/A JWL 1-5-93 | | 47A060-70-8 | UNKNOWN | ~~REPAIR~~ JWL 1-5-93 REPLACEMENT | NO |
| 1070-AOG-0-70-10 | | N/A JWL 1-5-93 | | 47A060-70-10 | UNKNOWN | ~~REPAIR~~ JWL 1-5-93 REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A JWL 1-5-93 | | | | |
| | | | | | | | |

7. Description of Work DRILLED PLATES (REAR) TO ALLOW WELD REMOVAL FROM PIPE
8. ~~Tests Conducted: Hydrostatic~~ N/A JWL 1-5-93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-14941-1

DEC 2 5 1992

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-003 1/6/93

**CERTIFICATE OF COMPLIANCE** Replacement 1-5-93 JWS

We certify that the statements made in the report are correct and this ~~Repair~~ repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JWS 1-5-93

Certificate of Authorization No. _____ Expiration Date _____

Signed Jimmy W Steele 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 HSB 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.

B. Earnsly 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 (Name) Date 1/6/93
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 (Address) WO 92-13294-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by P.O. BOX 2000 SPRING CITY, TN (Name) Type Code Symbol Stamp
P.O. BOX 2000, SPRING CITY, TN. (Address) Authorization No.
Expiration Date N/A FH 1/6/93
4. Identification of System 074/RHR
5. (a) Applicable Construction Code B31C 19 73 Edition, JUNE 1973 Addenda, 1981 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) |
|---|---|---|---|---|---|---|---|
| 1074A432-1-34 | | N/A FH 1/6/93 | | 47A432-1-34 | UNKNOWN | REPLACEMENT | ~~Yes~~ NO FH 1/6/93 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | FH 1/6/90 | | |

7. Description of Work REPLACED EXISTING BP304 CLAMP ~~FOR~~ WITH BP 6150 CLAMP.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi ~~Test Temp. _____ °F~~ FH 1/6/93

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.

(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 NO. 93-004 1/6/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A F4 1/6/93

Certificate of Authorization No. _____ Expiration Date _____

Signed F Yomy (Owner or Owner's Designee, Title) Date 1/6/93, 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 TENNESSEE and employed by HSB I & I 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 Earnigh (Inspector's Signature) Commissions TN #2534 (National Board, State, Province, and Endorsements)

Date 1/6/93 19____

WATTS BAR TVA NUCLEAR JAN 06 1993

WO 92-132944-00

W.O. 08-16255-63
PAGE 17 OF 27

# 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 1/6/93
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) — W.O. 08-16255-63 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp ~~N/A~~
P.O. Box 2000, SPRING CITY, TN. (Address) — Authorization No. ~~N/A~~
~~Expiration Date~~ ~~BXM~~
4. Identification of System 062 / CHEMICAL AND VOLUME CONTROL SYSTEM
5. (a) Applicable Construction Code ASME 1973 Edition, ~~N/A~~ 7TH BXM 1/6/93 Addenda, N/A BXM 1/6/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ~~10 BO Win B1 Addenda~~ BXM 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) |
|---|---|---|---|---|---|---|---|
| SUPPORT NR 1062-1CVC-R200 | TVA | N/A BXM 1/6/93 | N/A BXM 1/6/93 | DWG NR 62-1CVC-R200 | N/A BXM 1/6/93 | REPLACED | NO |
| | | | | | | | |
| | | N/A | BXM 1/6/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED 1 PADDLE ON STRUT
8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ ~~Pressure~~ _____ psi Test Temp. _____ °F
N/A BXM 1/6/93

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.



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. 93-005 1/7/93 BRM 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 BRM 1/6/93

Certificate of Authorization No. N/A BRM 1/6/93 Expiration Date N/A BRM 1/6/93

Signed George H. Matamoros
Owner or Owner's Designee, Title

Date JAN 6, 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 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.

Stephen B. Heater
Inspector's Signature

Commissions TN2533
National Board, State, Province, and Endorsements

Date 1-13 19 93

WATTS BAR TVA NUCLEAR NOV 25 1992



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 (Name) — Date 1-7-93
   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 37771 (Address) — WORKPLAN D-06020-01 (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 1-7-93
   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 |
| | | | | | | | |
| | | | N/A B2P 1-7-93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work INCREASE ANCHOR SIZE, TUBE STEEL SIZE & MODIFY PER DCA K-06020-02-00(
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Page 1F cont. on Page 2

D-06020-01

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #93-008 1/6/94

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A B2P 1-7-93

Certificate of Authorization No. N/A B2P 1-7-93 Expiration Date N/A B2P 1-7-93

Signed Bradford B. Perdue (Owner or Owner's Designee, Title) Date Jan. 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 HSB I & I Co. 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/1 19 93

WP No. D-14941-08

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 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 7TH 19 73 Edition, N/A B2P 1-9-93 Addenda, N/A B2P 1-9-93 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) |
|---|---|---|---|---|---|---|---|
| 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP NO. D-14941-08

Page 5B Cont on Page 6

JAN 0 9 1993

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 [signature] 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 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.

[signature] Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/23 19 93

WATTS BAR TVA NUCLEAR 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 (Name) — Date 1-8-93
   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 D-14941-01 (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 /
4. Identification of System CHEMICAL + VOLUME CONTROL/~~063~~ 062 gjp 1-8-93, SAFETY INJECTION/063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A gjp 1-8-93 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62-498 | | NONE | NONE | | UNKNOWN | REPLACEMENT | NO |
| 1063-1-63-102 | N A gjp 1-8-93 | NONE | NONE | N A gjp 1-8-93 | | | |
| 1063-1-63-416 | | NONE | NONE | | | | |
| 1063-1-63-492 | | NONE | NONE | | | | |
| | | | N A gjp 1-8-93 | | | | |

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure ____ psi Test Temp. ____ °F
   N A gjp 1-8-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP D-14941-01 gjp 8-11-92

WP D-14941-01
PG 5B CONT'D ON PG 6

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-010 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 1-9-93

Certificate of Authorization No. A Expiration Date

Signed 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 Carroll Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/29 19 93

WATTS BAR TVA NUCLEAR

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 TENNESEE VALLEY AUTHORITY (Name) — Date 1-9-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) — Sheet 1 of 1 — 1-9-93
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000 SPRING CITY, TN (Address) — WP D-04591-09 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp N/A 1-8-93
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date

4. Identification of System CHEMICAL AND VOLUME CONTROL /062

5. (a) Applicable Construction Code ASC 1973 Edition, 7th Addenda, N/A 1-8-93 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-240 | N/A 1-9-93 | NONE | NONE | N/A 1-9-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-241 | | | | | | | |
| 1062-1-62A-242 | | | | | | | |
| 1062-1-62A-246 | | | | | | | |
| 1062-1-62A-247 | | | | | | | |

7. Description of Work SUPPORT MODIFICATIONS + GRINDING FLUSH PIPE WELDS 1-9-93

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F
N/A 1-9-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D 04591 09

WP D-04591-09

PAGE 6A CONT'D ON 7

## FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-011

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR AND REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N A 1-9-93

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 1/4/93, 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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 8-3-92 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.

_____ Inspector's Signature

Commissions TN 2537 (National Board, State, Province, and Endorsements)

Date 2-8 1993

WATTS BAR NUCLEAR
DEC 2 0 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) — Date 1-11-93
   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 37381 (Address) — WP D 03631-02 (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 1-11-93
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 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) |
|---|---|---|---|---|---|---|---|
| Support | N/A 1-11-93 | NONE | NONE | ID# 1074-1RHR-1121 | N/A | DELETED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work DELETE SUPPORT
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ 1-11-93
   Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP D03631-02

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. 1-11-93 Expiration Date

Signed Date 11 JAN., 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 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.

Inspector's Signature Commissions TN2537
National Board, State, Province, and Endorsements

Date 3-20 1993.

WP D 15486 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 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, SPRING CITY, TN. 37381 (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) |
|---|---|---|---|---|---|---|---|
| CHARGING PUMP 1-PMP-62-104 B | PACIFIC PUMPS | 48591 | 15 | WAT CSAPCH-02 DCA'S M15486-04-0, M15486-05-0, M15486-06-0, M15486-08-0. | 1974 | REPAIR Δ1 Δ1 | YES |
| | | | N/A B2P 1-11-93 | | | | |

Δ2

7. Description of Work 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Δ1 REPLACEMENT SB 1-13-93 BY CUTTING ACCESS HOLES SB 1-13-93

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Δ2 MODIFY PUMP BASEPLATE TO ALLOW ACCESS TO ADD WELD. ADD COVER PLS TO CUT OUTS SB 1-13-93

REPRINT 12/9/92 DEC 15 1992

WP D 15486 :2



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 Δ1 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 Bradford K. 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 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. Earnest Commissions TN-2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/29 19 93

Δ1 Replacement 1-13-93

WATTS BAR TVA NUCLEAR JAN 11 1993

WP D-15486-01

IE IF

# 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 1-12-93

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) — WORKPLAN D-15486-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by WATTS BAR NUCLEAR PLANT (Name) — Type Code Symbol Stamp

PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A B2P 1-12-93

Expiration Date

4. Identification of System CVCS (062)

5. (a) Applicable Construction Code ~~ASME~~ AISC 7TH 73 B2P 1-12-93 B2P 1-12-93 B2P 1-16-93 19 ~~74~~ Edition, ~~WINTER 74~~ 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) |
|---|---|---|---|---|---|---|---|
| CHARGING PUMP 1A-A | PACIFIC PUMPS | 48590 | 13 | 1-PMP-62-108A | 1974 | REPAIR Δ1 SB 1-13-93 ~~REPLACEMENT~~ B2P 1-12-93 | YES |
| | | | | | | | |
| | | | N/A B2P 1-12-93 | | | | |
| | | | | | | | |
| | | | | | | | |

Δ2 SB 1-13-93

7. Description of Work ADDED WELD TO THE INBOARD ALIGNMENT LOCATION LUGS AND THE OUTBOARD CENTERING FIN LOCATION LUGS PER DCNM 15486A.

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure ☐~~ N/A B2P 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Δ1 Replacement SB 1-13-93

Δ2 MODIFIED PUMP BASE BY CUTTING ACCESS HOLES TO ALLOW ACCESS FOR ADDING WELD. THEN ADDING COVER PLS. SB 1-13-93

REPRINT 12/91

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** REPAIR Δ1 B&P 1-12-93

We certify that the statements made in the report are correct and this ~~REPLACEMENT~~ repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NOTHE APPLIED

Certificate of Authorization No. N/A Just 1-12-93 Expiration Date N/A Just 1-12-93

Signed James W Haley Owner or Owner's Designee, Title Date JAN. 12, 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 1/23/93 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 Inspector's Signature Commissions TN 2534 National Board, State, Province, and Endorsements

Date 1/23 19 93

WATTS BAR
JAN 11 1993

Δ1 Replacement B 1-13-93

JAN 11 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 TENNESSEE VALLEY AUTHORITY (Name) — Date 1-11-93
   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) — WP D-04586-02 (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 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 | N/A | | | N/A | | | NO |
| 1062-1-62A-97 | 1/11/93 | | | 1/11/93 | | | NO |
| 1062-1-62A-75 | | | | | | | NO |
| 1062-1-62A-96 | | | | | | | NO |

7. Description of Work SUPPORT MODIFICATIONS

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

A INSPECTION ONLY... NOT REQUIRED ON NIS 2 FORM

1-11-93

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.

(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

D-04586-02

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-015 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 Expiration Date 1-11-93

Signed 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 HSB I&I Co. 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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date 2-6 19 93

Page 6A cont. on Page 7

JAN 11 1993

WATTS BAR 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 (Name) Date 1-11-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
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 (Name) Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) Authorization No. N/A 1-11-93
Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL 1062
5. (a) Applicable Construction Code ALSC 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 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 1-11-93 | NONE | NONE | N/A 1-11-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-316 | | | | | | | NO |
| 1062-1-62A-317 | | | | | | | NO |
| | | | N/A | 1-11-93 | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic N/A Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp. °F 1-11-93

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.

(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-04592-02

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-016 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 Expiration Date 1-11-93

Signed Owner or Owner's Designee, Title MECH ENGR Date 1-11-93, 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&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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date Feb. 5 19 93

Page 6A cont. on Page 7

Page 6A cont. on Page 6B

WHR 1-13-93

MDN 7-26-93

# 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 (Name) — Date 1-12-93
   400 W. Summit Hill Dr., Knox., TN (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
   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 (Name) — Type Code Symbol Stamp N/A
   Watts Bar Nuclear Plant (Address) — Authorization No. WHR 1-12-93 — Expiration Date
4. Identification of System Safety Injection System / System 63
5. (a) Applicable Construction Code AISC, 7th 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 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) |
|---|---|---|---|---|---|---|---|
| Pipe Support ① | N/A WHR 1-12-93 | None | None | 1063-63 -1SIS-R226 | Unknown | Replacement | No |
| Pipe Support ② | N/A WHR 1-12-93 | None | None | 1074-A432 -1-5 | Unknown | Replacement | No |
| Pipe Support ③ | N/A WHR 1-12-93 | None | None | 1074-A432 -1-24 | Unknown | Replacement | No |
| Pipe Support ④ | N/A WHR 1-12-93 | 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 N/A 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 JDMS 1/13/92
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~~ Replacement #01/13/93 conforms to the rules of the ASME Code, Section XI.
repair or replacement

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 19 93.

TVA NUCLEAR
MAY 06 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 (Name) — Date 1/13/93
   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) — WORKPLAN D04667-13 (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 SLG — Expiration Date / 1/13/93
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYSTEM #063
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 SLG 1/13/93 | NONE | NONE | 1074-A432-2-1 ① | UN-KNOWN | REPLACE-MENT | NO |
| ↓ | ↓ | ↓ | ↓ | 1074-A432-5-2 ② | ↓ | ↓ | ↓ |
| ↓ | ↓ | ↓ | ↓ | 1072-A437-1-15 ③ | ↓ | ↓ | ↓ |
| | | | N | | | | |
| | | | A SLG 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 ☐ A SLG 1/13/93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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~~ 1 SLG 1/13/93, -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. D04667-13

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 REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A SLG 1/13/93

Certificate of Authorization No. N/A SLG 1/13/93 Expiration Date N/A SLG 1/13/93

Signed Sam L Gentry MECH. ENGR. Date JANUARY 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 Hartford, CT have inspected the components described in this Owner's Report during the period 1-6-92 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 B. Hale
Inspector's Signature

Commissions TN2533
National Board, State, Province, and Endorsements

Date 26 19 93

JAN 13 1993
WATTS BAR

WP D-16152-04

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 (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 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 | 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 |
| | | | | | | | |
| | | N/A 2-5-93 | | | | | |

7. Description of Work * DELETED Supports
8. Tests Conducted: ~~Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi ~~Test Temp.~~ °F
1-15-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP D-16152-04

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.

Bruce M. Earnest 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) — Date 1-19-93

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) — WP D-14941-28 (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 9/10 — Expiration Date / 1-19-93

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 | N/A 9/10 | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| 1062-A060-62-17 | N/A 9/10 1/19/93 | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFY PIPE SUPPORTS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ N Nominal Operating Pressure ☐
Other ☐ Pressure ___ psi Test Temp. ___ °F
A 9/10 1-19-93

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.

(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

WATTS BAR TVA NUCLEAR JAN 19 1993

WP D-14941-28

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-020 AMO 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/A

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 & 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 Earnest 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 (Name) — Date 1-22-93
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. 37771 (Address) — WO 93-00125-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by PO BOX 2000 SPRING CITY TN. (Name) — Type Code Symbol Stamp
P.O BOX 2000 SPRING CITY TN. (Address) — Authorization No. C FY 1/22/93
Expiration Date
4. Identification of System 070 / CCS
5. (a) Applicable Construction Code ASME 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) |
|---|---|---|---|---|---|---|---|
| 1070-A060-70-37 | | FY 1/22/93 | | 47A060-70-37 | UNKNOWN | REPAIR | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REAR PLATE WELD REPAIR
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ FY 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 # 93-21 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. Young CONS. ENG. Date 1/22/93, 19 _____
Owner or Owner's Designee, Title

PYM 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 IEI CO of HARTFORD CONN. have inspected the components described in this Owner's Report during the period 8/22/95 to 8/22/95, 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
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 8/22 19 95

(12/82)

FY 1/26/93
~~WO-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 235 OF 37-36
TM 1-27-93
FY 1/28/93
ZE

1. Owner TENNESSEE VALLEY AUTHORITY (Name)
400 W. SUMMIT HILL DRIVE
KNOXVILLE, TN (Address)

Date 1-26-93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000 SPRING CITY, TN 37771 (Address)

Unit 1

WO 93-00133-00
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. N/A
Expiration Date FY 1-26/93

4. Identification of System 070/CCS

5. (a) Applicable Construction Code ASME 7TH 19 73 Edition, ~~JUNE 1973~~ DZP 1-27-93 Addenda, ~~1981~~ N/A DZP 1-27-93 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) |
|---|---|---|---|---|---|---|---|
| 2070-A060-70-1 | | N/A | | 47B060-70-1 | UNKNOWN | REPLACEMENT | NO |
| | | | FY 1/26/93 | | | | |
| | | N/A | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACEMENT OF ANCHOR REAR PLATE & DEFECTIVE WELD (NO FUSION FOUND)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N/A DZP 1-27-93
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.

(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

WO. 93-00133-00
PAGE 24 OF ~~37~~ 36
FY 4/28/93 LE

ADP 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 ~~LFY 1/26/93~~

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 I&I 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 Earnest
Inspector's Signature

Commissions TN 2534
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 (Name) — Date 1-26-93
400 W. SUMMIT HILL DR, KNOXVILLE TN. (Address) — Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
PO BOX 2000, SPRING CITY, TN. 37771 (Address) — D-16461-03 (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 12-3-93
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062
5. (a) Applicable Construction Code AISC 1973 Edition, SEVENTH Addenda, NA Code Case SF 1-26-93
(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) |
|---|---|---|---|---|---|---|---|
| 1062-555-18-16-1 | NA SFolus 1-26-93 | NONE | NONE | NA SFolus 1-26-93 | UNKNOWN | ~~Replacement~~ REMOVE/ DELETE | NO |
| 1062-555-18-16-2 | NA SFolus 1-26-93 | NONE | NONE | NA SFolus 1-26-93 | UNKNOWN | ~~Replacement~~ MODIFY | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work SUPPORT REMOVAL & SUPPORT MODIFICATION
8. Tests Conducted: ~~Hydrostatic~~ ~~Pneumatic~~ ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ ~~psi~~ ~~Test Temp.~~ ~~°F~~ NA SFolus 1-26-93

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.

(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. 93-023 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

Certificate of Authorization No. Expiration Date 1-26-93

X8500 Signed SFowler MECH ENGR Date 1-26, 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 Hartford, CT have inspected the components described in this Owner's Report during the period 11-20-92 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.

Inspector's Signature Commissions TN-2537
National Board, State, Province, and Endorsements

Date 2-26 1993.

WATTS BAR
JAN 23 1993

WORK INSTRUCTION D-14941-27

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 1/28/93
   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-14941-27 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
   WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System SYSTEM # 062, CVCS
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 # 1062-A060-62-15 | N/A 1/28/93 | NONE | NONE | FDCN # F-22508-A | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A | 1/28/93 | | | |
| | | | | | | | |

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 N/A psi Test Temp. N/A °F 1/28/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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 1/28/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Mike Dodd (Owner or Owner's Designee, Title) Date 1/28, 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 ~~HB~~ ANE 2/5/93 HSB I AI 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.

Bruce M Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 2/5 19 93

TVA BULLETIN

JAN 28 1993

WP D-14941-35



# 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 2-1-93
400 W. SOMMIT 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 37771 (Address) — D-14941-35 (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 SF2-1-93
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH, SEVENTH Addenda, NA SF2-1-93 Code Case
(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-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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP D-14941-35

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2 OF 2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-025 2/1/93

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. SF2-1-93 Expiration Date

Signed S Forbes MECH ENGR (Owner or Owner's Designee, Title) Date 2-1-93, 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 & 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. Earnsh (Inspector's Signature) Commissions TN 2534 (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 (Name) — Date 1/27/93
   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-04667-11 (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. N/A — Expiration Date 1-27-93
4. Identification of System ~~CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM # 062~~ SAFETY INJECTION SYSTEM 063 SB 21740
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A 1-27-93 Addenda, N/A 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 | N/A 1-27-93 | NONE | NONE | 1063-63-1515-R274 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A 1-27-93 | NONE | NONE | 1063-63-1515-R281 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | N/A 1-27-93 | NONE | NONE | 1063-63-1515-V132 | UNKNOWN | REPLACEMENT | NO |
| 4 | PIPE SUPPORT | N/A 1-27-93 | NONE | NONE | 1063-63-1515-V134 | UNKNOWN | REPLACEMENT | NO |
| 5 | PIPE SUPPORT | N/A 1-27-93 | NONE | NONE | 1063-63-1515-V136 | UNKNOWN | REPLACEMENT | NO |

7. Description of Work (1) INSTALLED NEW SNUBBER (2) INSTALLED NEW STRUT (3) INSTALLED NEW, BASE R, TUBE STEEL, (4) REDISGNED AND INSTALLED NEW SUPPORT (5) INSTALLED NEW CLAMP, TUBE STEEL & BASE R
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ ~~Other~~ ☐ Pressure N/A psi Test Temp. °F 1-27-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 6a cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING No. 93-026 2/1/93

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JCD 1-27-93

Certificate of Authorization No. N/A JCD 1-27-93 Expiration Date N/A JCD 1-27-93

Signed Joseph E Davis (Owner or Owner's Designee, Title) Date 1-27, 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 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.

Inspector's Signature Commissions TN2537 (National Board, State, Province, and Endorsements)

Date 6-14 19 93.

FEB 02 1993

JAN 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 01-29-93
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 37771 (Address) WP D-14941-26 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLY AUTHORITY (Name) Type Code Symbol Stamp
P.O. BOX 2000, SPRING CITY, TN 37771 (Address) Authorization No. N/A AC 2-1-93
Expiration Date
4. Identification of System CVCS, SYS. 062
5. (a) Applicable Construction Code AISC 19 ~~80~~ 73 Edition, 7TH Addenda, ~~THROUGH WINTER OF 1981~~ N/A WMO 2/2/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER OF 1981 WMO 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 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 WMO 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.

Inspector's Signature Commissions TN 2537
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 (Name) — Date 2-2-93
   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 37771 (Address) — D-04624-01 (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 / 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, 7TH Addenda, N/A 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) |
|---|---|---|---|---|---|---|---|
| 1062-62-1CVC-R158 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| 1062-62-1CVC-R159 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | NONE | | | | |
| | | | | | | | |

7. Description of Work REPLACE 550'S WITH WEDGE BOLTS.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ ~~Other ☐ Pressure ____ psi Test Temp. ____ °F~~ N/A AC 2-2-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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Page 5A cont. on Page 5B

WATTS BAR TVA NUCLEAR

FEB 03 1993

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 Cutiona, FIELD ENGINEER Date 2-2, 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 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 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.

JH Bowen Commissions TN. 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-6 19 93.

TVA NUCLEAR
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) — Date 01/27/93
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-16461-09 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (WBNP) (Name) — Type Code Symbol Stamp
P-O-BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A
Expiration Date wyh 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 SUPPORT wyh 2/3/93
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F wyh 2/3/93

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.

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



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~~D 04640 00~~

FORM NIS-2 (Back)

9. Remarks SPT. NO. 1062-555-18-18-3 HAS BEEN
Applicable Manufacturer's Data Reports to be attached
DELETED.

TRACKING NO. 93-028 WJL 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. Schaffs F.E. 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 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. Eamgli Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/6 19 93

D 16461 09

 cont. on Page 6

FEB 04 1993

D-05595-01 PAGE 1E CONTD. ON PG. 1F 2 AC 2-4-93

# 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 (Name) — Date 2-4-93

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. 37771 (Address) — D-05595-01 (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 AC 2-4-93

Expiration Date

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) |
|---|---|---|---|---|---|---|---|
| 1061-A462-8-3 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A AC 2-4-93 | | | |
| | | | | | | | |

7. Description of Work SUPPORT DELETED.

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A AC 2-4-93 ~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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 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 Eamon Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93

TVA NUCLEAR
FEB 05 1993

Page 1B cont. on Page 1C

# 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 2/4/93
   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-14941-29 (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 gcd 2/4/93
   Expiration Date
4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, N/A gcd 2/4/93 Addenda, N/A gcd 2/4/93 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 gcd 2/4/93 | NONE | NONE | 1062-1-62A-170 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A gcd 2/4/93 | | | | |
| | | | | | | | |

7. Description of Work BASE METAL DEFECT EVALUATION
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure N/A psi Test Temp. gcd 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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## FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #93-031 2/5/93

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A 2/4/93

Certificate of Authorization No. N/A 2/4/93 Expiration Date N/A 2/4/93

Signed Joseph E Davis (Owner or Owner's Designee, Title) Date Feb 4, 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 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. Earnigh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 2/12 19 93

WORK INSTRUCTION D-14941-29

2/5/93

WATTS BAR TVA NUCLEAR FEB 05 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 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) — D-04595-01 (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 / 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, N/A AC 2-3-93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 TROUGH 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 |
| | | | | | | | |
| | | | N/A AC 2-3-93 | | | | |
| | | | | | | | |

7. Description of Work ADD FRICTION ANCHORS.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ ~~Other~~ ☐ ~~Pressure~~ _____ psi Test Temp. _____ °F — N/A AC 2-3-93

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.

(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-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

~~Certificate of Authorization No.~~ N/A AC 2-3-93 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 Commissions TN 2537
National Board, State, Province, and Endorsements

Date 4-3- 19 93.

WATTS BAR TVA NUCLEAR FEB 05 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 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) — D-04595-01 (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 / 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, N/A 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 |
| | | | | | | | |
| | | | N/A AC 2-3-93 | | | | |
| | | | | | | | |

7. Description of Work ADD SHIM PLATES.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A AC 2-3-93 ~~Other~~ ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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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 _____

~~Certificate of Authorization~~ No. N/A AC 2-5-93 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.

[signature] Commissions TN 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-3- 19 93.

Page 6C cont. on Page 6 ~~16~~D
AC 2-5-93

WATTS BAR TVA NUCLEAR FEB 05 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 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) — D-04595-01 (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 / 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, N/A 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-613 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A AC 2-3-93 | | | |
| | | | | | | | |

7. Description of Work INCREASED BASE ℄ SIZE, ADDED WEDGE BOLTS, REPLACED SSD'S W/ ~~WEDGE BOLTS~~ WEDGE ANCHOR AC 2-3-93
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐ N/A AC 2-3-93 ~~Other~~ ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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REPRINT 12/91

D-04595-01

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-034 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 _____

Certificate of Authorization No. N/A AC 2-3-93 Expiration Date _____

Signed Anthony Cutiona, 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.

[illegible] Commissions TN 8727
Inspector's Signature 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 (Name) — Date 2-9-93
400 W SUMMIT HILL 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 1646005 (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 SB
Expiration Date 2-9-93
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, N/A SB 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) |
|---|---|---|---|---|---|---|---|
| 1062-406-2-3SA-1 | N/A SB 2-9-93 | NONE | NONE | N/A SB 2-9-93 | UNKNOWN | DELETION/ REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A SB 2-9-93 | | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP 16460-05
PG 6A CONT
ON 6B

P

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING NO 93-35 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

Certificate of Authorization No. 2993 Expiration Date

Signed Owner or Owner's Designee, Title Date FEB-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. & I. 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 2-9 19 93

WATTS BAR TVA NUCLEAR

FEB 1 0 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 2-9-93

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) — D-04535-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp

WBNP (Address) — Authorization No. ~~N/A~~ 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, 7 TH 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) |
|---|---|---|---|---|---|---|---|
| 1003-A427-5-3 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-9-93 | | | |
| | | | | | | | |

7. Description of Work ADDED TUBE STEEL BRACE.

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~N/A~~ AC 2-9-93 ~~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.

(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

WATTS BAR TVA NUCLEAR FEB 10 1993

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

Certificate of Authorization No. N/A AC 2-9-93 Expiration Date _____

Signed Anthony Cutrona, FIELD ENGINEER (Owner or Owner's Designee, Title) 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 & 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.

_____ Inspector's Signature Commissions TN 2537 National Board, State, Province, and Endorsements

Date 9-2 1993

D-04535-03

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WATTS BAR TVA NUCLEAR

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 (Name) — Date 2-9-93

400 N. 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) — D-04535-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp

WBNP (Address) — Authorization No. ~~N/A~~ 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, ~~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) |
|---|---|---|---|---|---|---|---|
| 1003B-1-03B-79 | TVA | NONE | NONE | NONE | UNKNOWN | REPAIR | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-9-93 | | | |
| | | | | | | | |

7. Description of Work ADDED WELD, TUBE STEEL TO BASE PL

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

~~N/A~~ AC 2-9-93

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.

(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

WATTS BAR TVA NUCLEAR FEB 10 1993

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

Certificate of Authorization No. N/A 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 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 9-3 1993.

D-04535-03

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WATTS BAR TVA NUCLEAR

FEB 10 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) — Date 2-9-93

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) — D-04535-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~

NBNP (Address) — Authorization No. ~~N/A~~ AC 2-9-93

Expiration Date ~~N/A~~

4. Identification of System FEED WATER / AUX. FEED WATER - SYS. 003

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH 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) |
|---|---|---|---|---|---|---|---|
| 10038-1-038-80 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-9-93 | | | |
| | | | | | | | |

7. Description of Work ADDED NEW BASE PL, BEAM ATTACHMENT, AND ANCHOR BOLTS

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ ~~N/A~~ AC 2-9-93

~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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REPRINT 12/91

WATTS BAR TVA NUCLEAR FEB 10 1993

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

~~Certificate of Authorization~~ No. N/A AC 2-9-93 Expiration Date _____

Signed Anthony Cutrona, FIELD ENGINEER (Owner or Owner's Designee, Title) 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 & 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 TN 2537. (National Board, State, Province, and Endorsements)

Date 9-2 1993

D-04535-03

Page 6E cont on Page ~~6F~~ 6H AC 8-12-93

WATTS BAR TVA NUCLEAR

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 (Name) — Date 2-9-93
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) — D-04535-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp
WBNP (Address) — Authorization No. N/A 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, 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) |
|---|---|---|---|---|---|---|---|
| 1003-A427-5-2 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A AC 2-9-93 | | | |
| | | | | | | | |

7. Description of Work REPLACED SNUBBER + OTHER SUPT. COMPONENTS.

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ N/A AC 2-9-93
~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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REPRINT 12/91

WATTS BAR TVA NUCLEAR FEB 10 1993

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 ~~N/A AC 2-9-93~~

~~Certificate of Authorization~~ No. _____ 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 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 TN2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-2 19 93

D-04535-03

JAN 29 1993

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) — Date 01/29/93

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-16460-15 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TENNESSEE VALLEY AUTHORITY (Name) — Type Code Symbol Stamp ~~N/A~~ wyh

P.O. BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. ~~N/A~~ wyh — Expiration Date ~~N/A~~ 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. 1062-435-20-2-461 | 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 |
| | | | | | | | |
| | | N/A | wyh 2/10/93 | | | | |

7. Description of Work MODIFIED SUPPORTS

8. ~~Tests Conducted:~~ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure _____ psi Test Temp _____ °F N/A wyh 2/9/93

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.

(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 SPT. NOS. 1062-435-20-2-461, 462 & 465 HAVE BEEN MODIFIED.

Applicable Manufacturer's Data Reports to be attached

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 Wyhafis 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 ASME I&E Corp. of Hartford, CT have inspected the components described in this Owner's Report during the period 10-19-92 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.

Inspector's Signature Commissions TN 2533
National Board, State, Province, and Endorsements

Date 3-25-93 19

6A SD 3-26-93

Page 6A cont. on Page 7 6B

WYG 1/29/93

D16460-15

JAN 29 1993
TVA NUCLEAR
WATTS BAR

Form 6B 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) — Date 01/29/93
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN. (Address) — Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (WBNP) (Name) — Unit 1
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) — Type Code Symbol Stamp ~~N/A~~
P.O. BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A — Expiration Date ~~WYL 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 | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A | | | | |
| | | | WYL 2/10/93 | | | | |
| | | | | | | | |

7. Description of Work DELETED SUPPORT

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ N/A WYL 2/9/93
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.

(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

WATTS BAR TVA NUCLEAR JAN 29 1993

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 (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

Signed [signature] F.E. (Owner or Owner's Designee, Title) Date 01/29/, 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 Hartford, CT have inspected the components described in this Owner's Report during the period 10-19-92 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] Inspector's Signature Commissions TN2533 National Board, State, Province, and Endorsements

Date 3-25-93 19

0 16460-15

 cont. on Page 7

WATTS BAR TVA NUCLEAR FEB 05 1993

WP D 16460 17

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 / wyh 2/10/93

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. 1062-435-20-5-401 | TVA | NONE | NONE | 1062-435-20-5-401 | 1993 | REPLACEMENT | NO |
| | | | | | | | |
| | | N/A | | | | | |
| | | wyh 2/10/93 | | | | | |
| | | | | | | | |

7. Description of Work DELETED SUPPORT

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 6a cont. on Page 7:6b
WYH 2/10/93

WP D 16460 1:7

FEB 12 1993

FORM NIS-2 (Back)

9. Remarks SPT. NO. 1062-435-20-5-401 HAS BEEN
Applicable Manufacturer's Data Reports to be attached
DELETED.

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 Wyhafs F.E. 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 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 Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

FEB 0 9 1993

TVA NUCLEAR

WATTS BAR

WORK INSTRUCTION D-16460-17

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

1. Owner TENNESSEE VALLEY AUTHORITY (Name)
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN (Address)

Date 02/10/93

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 T VA (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)
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. 1062-435-20-4A-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 |
| | N/A | | | | | | |
| | wyh 2/10/93 | | | | | | |

7. Description of Work MODIFIED SUPPORTS

8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F N/A wyh 2/10/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FEB 09 1993

TVA NUCLEAR WATTS BAR

WORK INSTRUCTION D-16460-17 ~~D-16460-17~~ 2-15-93

FORM NIS-2 (Back) Page 6c cont. on Page 7

9. Remarks SPT. NOS. 1062-435-20-4A-446, 1062-435-20-5-403 & 1062-435-20-5-521 HAVE BEEN ~~DELETED.~~ MODIFIED WYH 2/10/93

TRACKING NO. 93-044

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (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

Signed Wyhafis F.E. (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 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/27 19 93

WP D-14941-38



# 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 2/10/93
   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-14941-38 (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 JGR 2/10/93
   Expiration Date
4. Identification of System SAFETY INJECTION / SYS. 063
5. (a) Applicable Construction Code AISC, 7Th 19 73 Edition, N/A JGR 2/10/93 Addenda, N/A JGR 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 | N/A JGR 2/10/93 | NONE | NONE | 1063-1-63-250 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A JGR 2/10/93 | NONE | NONE | 1063-1-63-586 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | N/A JGR 2/10/93 | | | | |
| | | | | | | | | |

7. Description of Work (1) ADD STIFFNER PLATES (2) ADD STIFFNER PLATES
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ N/A JGR 2/10/93 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.

WP D-14941-38

Pg 6a CONT ON page 6

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. Dai 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 HSB I & 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. Slater 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) — Date 2/6/93
400 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.O. 93-00496-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
P.O. BOX 2000, SPRING CITY, TN (Address) — Authorization No. SRM 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 SRM 2/6/93
(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) |
|---|---|---|---|---|---|---|---|
| 4"Ø PIPE CLAMP | BERGEN-PATERSON | N/A SRM 2/6/93 | N/A SRM 2/6/93 | PART II 2640-1.5 | UNKNOWN | REPLACED | NO |
| | | | | | | | |
| | | N/A | SRM 2/6/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED 4"Ø PIPE CLAMP.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F
N/A SRM 2/6/93

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.



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

93-046 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 George K. Matamp Date Feb 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 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.

Stephen B. Stater
Inspector's Signature

Commissions TN2533
National Board, State, Province, and Endorsements

Date Feb. 8 19 93

(12/82)

D 14941 41



# 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 2-11-93
   400 W. Summit Hill Dr., 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 14941-41 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA, MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
   WATTS BAR NUCLEAR PLANT (Address) — 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 2-12-93 Addenda, N/A 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 | N/A 2-12-93 | NONE | NONE | SUPPORT ID# 1074-A060-74-5 | UNKNOWN | Replacement | 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 ~~psi~~ Test Temp. °F
   N/A 2-12-93

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.

(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 # 93-047

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 DIB 2-17-93

Certificate of Authorization No. N/A DIB 2-17-93 Expiration Date N/A DIB 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 HSB I&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

WATTS BAR TVA NUCLEAR

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 (Name) — Date 2-10-93

400 N. 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) — D-05724-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA-MODIFICATIONS (Name) — Type Code Symbol Stamp

WBNP (Address) — Authorization No.

Expiration Date N/A AC 2-10-93

4. Identification of System RESIDUAL HEAT REMOVAL / SYS-074

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RNR-R200 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A AC 2-10-93 | | | |
| | | | | | | | |

7. Description of Work REPLACED EXIST. SNUBBER + CLAMP W/ HIGHER LOAD RATED SNUBBER + CLAMP.

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ N/A AC 2-10-93

~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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 Cutiona, 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 IEI 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

WATTS BAR NUCLEAR

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 (Name) — Date 2-10-93

400 N. 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) — D-05724-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~

Authorization No. ~~N/A~~ AC 2-10-93

WBNP (Address) — Expiration Date ~~N/A~~

4. Identification of System RESIDUAL HEAT REMOVAL / 545.074

5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RNR-R199 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-10-93 | | | |
| | | | | | | | |

7. Description of Work REMOVED ENTIRE EXIST. SUPPORT, AND REBUILT SUPT. WITH NEW MAT'L.

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ ~~N/A~~ AC 2-10-93

~~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.

(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

 cont. on Page 3A

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-049 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 2/26/93 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) — Date 2/12/93
   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-14941-36 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp
   WATTS BAR NUCLER PLANT (Address) — Authorization No. N/A JEO 2/12/93 — Expiration Date
4. Identification of System RESIDUAL HEAT REMOVAL / SYSTEM #74
5. (a) Applicable Construction Code AISC 7th 19 73 Edition, N/A JEO 2/12/93 Addenda, N/A JEO 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 | N/A JEO 2/12/93 | NONE | NONE | 1074-A060-74-1 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A JEO 2/12/93 | | | | |
| | | | | | | | |

7. Description of Work REMOVED INADVERTENT SEAM WELD
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ N/A JEO 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP D-14941-36



## FORM NIS-2 (Back)

9. Remarks Tracking No. 93-050 YMBA 2-1543
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 JEL 2/12/93

Certificate of Authorization No. N/A JEL 2/12/93 Expiration Date N/A JEL 2/12/93

Signed Joseph C 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 Earnsh 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 (Name) — Date 2-13-93
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. 37381 (Address) — WP # D 14941-37 (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 N/A 2-13-93
4. Identification of System SAFETY INJECTION System / Sys 063
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 | NONE | NONE | 1063-A060-63-12 | UNKNOWN | REPLACEMENT | NO |
| ~~PIPE SUPPORT~~ | | ~~NONE~~ | ~~NONE~~ | ~~1063-A060-63-10~~ | ~~UNKNOWN~~ | ~~REPLACEMENT~~ | ~~NO~~ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Rework of rear plate on box anchor (NON-PRESSURE BOUNDARY)
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 3A CONT'D ON PG 4

FORM NIS-2 (Back)

9. Remarks WP # D14941-37

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-051 mcb 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, 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 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 19 93

WATTS BAR
TVA
JAN 16 1993

WATTS BAR TVA NUCLEAR 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 TENNESSE VALLEY AUTHORITY (Name)
400 W. SUMMIT HILL DRIVE
KNOXVILLE, TN (Address)

Date 02/15/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000, SPRING CITY
TN 37771 (Address)

Unit 1

D-16460-16
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 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 ~~SB~~ 3.9.93 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) |
|---|---|---|---|---|---|---|---|
| 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

016460-16

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 (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

Signed Wyhaft F.E. (Owner or Owner's Designee, Title) Date 2/15/93, 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 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 3-11- 19 93.

WATTS BAR TVA NUCLEAR FEB 15 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 (Name)
400 W. SUMMIT HILL DRIVE
KNOXVILLE, TN. (Address)

Date 02/15/93

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT
~~TENNESSEE VALLEY AUTHORITY~~ (Name) WYH 2/15/93
P.O. BOX 2000, SPRING CITY
TN 37771 (Address)

Unit 1

D-16460-16
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 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 ~~63-9-93~~ 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. 1062-435-20-4C-457 | TVA | NONE | NONE | 1062-435-20-4C-457 | 1993 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A ~~SB~~ | 31193 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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 (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

Signed [signature] F.E. (Owner or Owner's Designee, Title) Date 2/15/93, 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 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.

# 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 2/16/93
   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-05709-11 (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 N/A 2/16/93
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM # 74
5. (a) Applicable Construction Code ALSC, 7TH 19 73 Edition, N/A 2/16/93 Addenda, N/A 2/16/93 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 2/16/93 | NONE | NONE | 1074-74-1RHR-R63 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A 2/16/93

7. Description of Work INSTALLED NEW STRUT & END BRACKET
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure ____ psi Test Temp. ____ °F

N/A 2/16/93

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 Tracking No. 93-054 mab 2/16/93
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/A ~~WMS~~ JEO 2/16/93

Certificate of Authorization No. N/A JEO 2/16/93 Expiration Date N/A JEO 2/16/93

Signed Joseph E. Ris
Owner or Owner's Designee, Title

Date Feb 16, 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 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 Earnest
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 2/26 19 93

WORK INSTRUCTION D-05709-11

## 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 (Name) — Date 3-8-93
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 37381 (Address) — WP # D15586-01 (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 3-8-93
4. Identification of System SAFETY INJECTION SYSTEM (SIS) / SYS 063
5. (a) Applicable Construction Code ASME SECTION III 19 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A 3-8-93

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
N/A 3-8-93

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.

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

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MAR 0 8 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. N/A Expiration Date N/A 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

FEB 1 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 (Name) — Date 2/18/93

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) — W.P. D-04591-08 (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 /

4. Identification of System CHEMICAL VOLUME CONTROL SYSTEM / SYSTEM #062

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 | 1062-A406-7-1 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A | NONE | NONE | 1062-A406-7-2 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | N/A | NONE | NONE | 1062-A406-7-7 | UNKNOWN | REPLACEMENT | NO |
| 4 | PIPE SUPPORT | N/A | NONE | NONE | 1062-A406-7-6 | UNKNOWN | REPLACEMENT | NO |
| | | | | N/A | 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 N/A psi Test Temp. °F

2/18/93

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.

(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. 93-0516 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 2/18/93

Certificate of Authorization No. N/A 2/18/93 Expiration Date N/A 2/18/93

Signed Joseph E Pai
Owner or Owner's Designee, Title

Date 2-18-93, 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 8-1-92 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.

Inspector's Signature

Commissions TN 2537
National Board, State, Province, and Endorsements

Date 4-24 19 93.

WORK INSTRUCTION D-04591-08

WP D-16152-07

JAN 0 9 1

# 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 2-18-93
   400 N. 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) — D-16152-07 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp
   NBNP (Address) — 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, 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) |
|---|---|---|---|---|---|---|---|
| 206Z-A060-62-113 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-18-93 | | | |
| | | | | | | | |

7. Description of Work ADDED KICKER W/ BASE PL + ANCHORS, AND STIFFNER PL.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐ ~~N/A~~ AC 2-18-93
   ~~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.

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WP D-16152-07

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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 _____

~~Certificate of Authorization No.~~ N/A AC 2-18-93 _____ Expiration Date _____

Signed Anthony Cutlona, 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 1-5-93 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.

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# 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 2-18-93
   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) — D-16152-07 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA- MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~ AC 2-18-93
   WBNP (Address) — 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, 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) |
|---|---|---|---|---|---|---|---|
| 2062-A435-25-4 | TVA | NONE | NONE | NONE | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | ~~N/A~~ AC 2-18-93 | | | |
| | | | | | | | |

7. Description of Work ADDED SHIM PL.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐ ~~N/A~~ AC 2-18-93
   ~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FEB 1 8 1993

FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-058 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

~~Certificate of Authorization No.~~ N/A AC 2-18-93 _____ Expiration Date _____

Signed Anthony Cutiona, FIELD ENGINEER (Owner or Owner's Designee, Title) Date 2-18, 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 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-16152-0

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FEB 18 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) — Date 2-18-93

400 N. SUMMIT HILL DR, KNOXVILLE, TN (Address) — Sheet 1 of 1

2. Plant NATTS BAR NUCLEAR PLANT (Name) — Unit 1

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 (Name) — Type Code Symbol Stamp

NBNP (Address) — 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, 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62-A-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 AC 2-18-93

~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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D-04720-02

FEB 18 1993



FORM NIS-2 (Back)

9. Remarks TRACKING NO: 93-059 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

~~Certificate of Authorization No.~~ NA 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) — Date 2-19-93
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) — WP D-04667-05 (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. N/A WHR 2-19-93
Expiration Date

4. Identification of System SAFETY INJECTION SYSTEM / SYSTEM 063

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A WHR 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 | N/A WHR 2-19-93 | NONE | NONE | 1063-63-1SIS -R126 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | | NONE | NONE | 1063-63-1SIS -R152 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | | NONE | NONE | 1063-63-1SIS -R153 | UNKNOWN | REPLACEMENT | NO |
| 4 | PIPE SUPPORT | | NONE | NONE | 1063-63-1SIS -R155 | UNKNOWN | REPLACEMENT | NO |
| 5 | PIPE SUPPORT | | NONE | NONE | 1063-63-1SIS -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 WHR 2-19-93 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.

WORK INSTRUCTION D-04667-05

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-06D mcb 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A WHR 2-19-93

Certificate of Authorization No. N/A WHR 2-19-93 Expiration Date N/A WHR 2-19-93

Signed W. H. Roberts F.E. (Owner or Owner's Designee, Title) Date Feb. 19, 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 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/5 19 94

MAR 06 1993 TVA NUCLEAR

MAR 05 1993
TVA NUCLEAR
WATTS BAR

D 16460 13

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 3-5-93

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 (Address) — WORK PLAN D-16460-13 (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

4. Identification of System CVC (062)

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 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 1-B | PALL TRINITY MICRO. CORP. | 26263 | 13228 | 1-062-FLTR-04/13 | 1975 | REPAIRED | YES |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A JWH 3-5-93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

TVA NUCLEAR
MAR 0 5 1993
WATTS BAR

D 16460 13



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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NONE APPLIED

Certificate of Authorization No. NONE Expiration Date NONE

Signed James W Haley, PROJ. ENGR (Owner or Owner's Designee, Title) Date MARCH 5, 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 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.

[illegible] Commissions TN 2537.
Inspector's Signature — National Board, State, Province, and Endorsements

Date 3-20 19 93.

JAN 0 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 (Name) Date 3-2-93
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 37771 (Address) W.P. D-20761-18 (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 MB 3-2-93
Expiration Date
4. Identification of System SAFETY INJECTION SYSTEM / 063
5. (a) Applicable Construction Code AISC 1973 Edition, 7th 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 | 1063-63-2SFS-R043 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | | NONE | NONE | 1063-63-2SFS-R206 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | | NONE | NONE | 1063-63-1SFS-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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-20761-18

Page 5A cont. on Page 5B MB 3-2-93 REPRINT 12/91
MB 3-2-93

3/2/93

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-063 3/2/93

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 MB 3-2-93

Certificate of Authorization No. N/A MB 3-2-93 Expiration Date N/A MB 3-2-93

Signed Michael Baum 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 Earnest 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) — Date 3-2-93

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) — WO # 92-05146-00 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by WATTS BAR MODIFICATION (Name) — Type Code Symbol Stamp ~~NA KKL 3/3/93~~

P.O. Box 2000, SPRING CITY, TN. 37771 (Address) — Authorization No.

Expiration Date

4. Identification of System 067 / ERCW

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, ~~LS-1~~ KKL 3/3/93 NA 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) |
|---|---|---|---|---|---|---|---|
| 1-067-A060-67-26 | | NA KKL 3/3/93 | | 47A060-67-26 | UNKNOWN | Repaired | NO |
| | | | | | | | |
| | | | NA KKL 3/3/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work EXCAVATED AREA ON WELD 1-47A060-67-27-1 AND REPAIRED WELD

8. Tests Conducted: ~~Hydrostatic~~ NA KKL 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 NONE TRACKING # 93-065 [illegible] 3-4-93

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 ~~NA~~

Certificate of Authorization No. ~~NA~~ Expiration Date ~~NA~~

Signed Kenneth R. 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 HSB I & I 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.

[illegible] Commissions TN 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-9 19 93

MAR 0 8 1993

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 (Name) — Date 3/3/93
   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) — W.P. D-04715-01 (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 JCD 3/3/93 — Expiration Date
4. Identification of System SAFETY INJECTION / SYST 63
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 JCD 3/3/93 | NONE | NONE | 1074-A432-1-31 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A JCD 3/3/93 | NONE | NONE | 1063-63-1515 R216 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | N/A JCD 3/3/93 | NONE | NONE | 1063-A435-3-14 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | | | | | |

N/A JCD 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 ____ psi Test Temp. ____ °F

N/A JCD 3/3/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

MAR 08 1993

Page 6 cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-0606 MOB 3-4-93
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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JED 3/3/93

Certificate of Authorization No. N/A JED 3/3/93 Expiration Date N/A JED 3/3/93

Signed Joseph E Davis (Owner or Owner's Designee, Title) Date MARCH 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 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 Earnsh (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 3/27 19 93

WORK INSTRUCTION D-04715-01

WATTS BAR MAR 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 ~~VALEY~~ VALLEY AUTHORITY YKD 3-6-93 Name — Date 3-6-93
   400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. Address — Sheet 1 of
2. Plant WATTSBAR NUCLEAR PLANT Name — Unit 1
   P.O. Box 2000, SPRING CITY, TN. 37771 Address — D-04592-06 Repair Organization P.O. No., Job No., etc.
3. Work Performed by TVA-MODIFICATIONS Name — Type Code Symbol Stamp
   WATTSBAR NUCLEAR PLANT Address — Authorization No. ~~N/A~~ YKD 3-6-93 — Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS. 062
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH (SEVENTH) Addenda, N/A YKD 3-6-93 Code Case
   (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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-302 | N/A YKD 3-6-93 | NONE | NONE | N/A YKD 3-6-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-307 | N/A YKD 3-6-93 | NONE | NONE | N/A YKD 3-6-93 | UNKNOWN | DELETED | NO |
| 1062-1-62A-310 | N/A YKD 3-6-93 | NONE | NONE | N/A YKD 3-6-93 | UNKNOWN | DELETED | NO |
| 1062-1-62A-314 | N/A YKD 3-6-93 | NONE | NONE | N/A YKD 3-6-93 | UNKNOWN | DELETED | NO |
| 1062-1-62A-316 | N/A YKD 3-6-93 | NONE | NONE | N/A YKD 3-6-93 | UNKNOWN | DELETED | NO |

7. Description of Work SUPPORT MODIFICATION
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ Other ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F
   N/A YKD 3-6-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORK PLAN # D-04592-06

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-068 3/11/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A YAD 3-6-93

Certificate of Authorization No. _____ Expiration Date _____

Signed YADalal MECH. ENGR. (Owner or Owner's Designee, Title) Date 3 - 6 -, 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 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 Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/27 19 93

WATTS BAR
TVA NUCLEAR
MAR 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) — Date 3/26/93
   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 37381 (Address) — WO - MR A 670062 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Maintenance (Name) — Type Code Symbol Stamp N/R
   P O Box 2000, Spring City, TN 37381 (Address) — Authorization No. RB 12-21-92 — Expiration Date
4. Identification of System 003 - Main & Aux. Feedwater
5. (a) Applicable Construction Code ASME III 19 71 Edition, S73 Addenda, N/A 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) |
|---|---|---|---|---|---|---|---|
| 1-DRV-003-0593 | Yarway Valve Corp | 8668 | | | 77 | Replacement | Yes |
| 1-DRV-003-0594 | Yarway 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-069 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 3/22/93 3/22/93

Certificate of Authorization No. N/A 3/22/93 Expiration Date NA 3/22/93

Signed Mech Engr Date 3/22, 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 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.

Inspector's Signature Commissions TN2533
National Board, State, Province, and Endorsements

Date 3-24 1993

WORK INSTRUCTION D-04602-05

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. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 3-22-93
400 W. Summit Hill Dr Knoxville, TN (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. Box 2000 SPRING CITY, TN 37771 (Address) — D-04602-05 (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. NA
Expiration Date SF 3-22-93
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS 062
5. (a) Applicable Construction Code ASC 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) |
|---|---|---|---|---|---|---|---|
| 1062-62-1CVC-R59 | NA SF 3-22-93 | NONE | NONE | NA SF 3-22-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-62-1CVC-R133 | NA SF 3-22-93 | NONE | NONE | NA SF 3-22-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-A406 3-43 | NA SF 3-22-93 | NONE | NONE | NA SF 3-22-93 | UNKNOWN | REPLACEMENT | NO |
| | NA SF 3-22-93 | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WORK INSTRUCTION D-04602-05

Page 6A cont. on Page 7

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp ~~_____~~

Certificate of Authorization No. ~~_____~~ (NA SF 3-22-93) Expiration Date _____

Signed SForbes (Owner or Owner's Designee, Title) Date 3-22-93, 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 TN and employed by HSB I&I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-13-91 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] Inspector's Signature Commissions TN2537 National Board, State, Province, and Endorsements

Date 5-4 1993.

WATTS BAR
TVA NUCLEAR
MAR 23 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 ~~37771~~ 37381 RPL 3-31-93 (Address)
3. Work Performed by TVA, MECH MODIFICATIONS (Name)
   WATTS BAR NUCLEAR PLANT (Address)

Date ~~RPL 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 AISC, 7th 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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT: | | | | | | | |
| ~~1063-A435-1-56~~ | | | | ~~N A RPL 3-24-93~~ | | Replacement | NO |
| ~~1063-A435-1-57~~ | NA RPL 3-31-93 | NA RPL 3-24-93 | | ~~DCN F23292A~~ NA RPL 3-31-93 | NA | | |
| 1063-A435-1-58 | | | | DCN F23794A | RPL 3-24-93 | | |
| 1063-A435-1-68 | | | | DCN F22293A | | | |
| | | | | | | | |

7. Description of Work NA RPL 3-31-93 ~~1063-A435-1-56: INSTALL NEW SUPPORT FOR 1" ϕ PIPE (Tube Steel, BASE PLATE)~~ ~~1063-A435-1-57: INSTALL NEW SUPPORT FOR 1" ϕ PIPE (T.S., B.P., PIPE LUGS*)~~ * ~~1063-A435-1-68 AND -68: NEW SUPPORTS FOR 2" ϕ PIPES (T.S + PLATES)~~
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ NA RPL 1-24-93 Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

~~*Lugs installed to ASME III 715-73~~

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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" ϕ pipe (Tube steel + Plate) Lugs installed ON pipe to ASME III 715-73 RPL 3-31-93

REPRINT 12/91

WP D-18202-6



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-071 3/24/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Lee, Mech Engr. (Owner or Owner's Designee, Title) Date MARCH 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 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. Earnigh (Inspector's Signature) Commissions TN 2534 (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 (Name) Date 2/23/93
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) WO 92-22920-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by WATTS BAR NUCLEAR PLANT (Name) Type Code Symbol Stamp NA 2/23/93
P.O. BOX 2000 SPRING CITY TN 37381 (Address) Authorization No. NA 2/23/93
Expiration Date NA 2/23/93

4. Identification of System RESIDUAL HEAT REMOVAL (74)

5. (a) Applicable Construction Code ASME III 1971 Edition, SUMMER 73 Addenda, NA 2/23/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W81

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-74-9 | WESTINGHOUSE | 10000GM 93SE400B | W14313 | NONE | 77 | REPLACED | YES |
| | | | | | | | |
| | | | | | | | |
| | | | NR | 2/23/93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 # 93-073 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 2/23/93

Certificate of Authorization No. NA 2/23/93 Expiration Date NA 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+I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-7-93 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.

Stephen B. Hatter 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) — Date 2/23/93
   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) — W.P. D-05698-16 (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 2/23/93
4. Identification of System RISIDUAL HEAT REMOVAL SYSTEM # 74
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 2/23/93 | NONE | NONE | 1074-R435-1-2 | UNKNOWN | REPLACEMENT | NO |
| 2. | PIPE SUPPORT | N/A 2/23/93 | NONE | NONE | 1074-74-1RHR-R35 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | N/A 2/23/93 | | | | |
| | | | | | | | | |

7. Description of Work 1. & 2 DELETED BOTH SUPPORTS
8. Tests Conducted: Hydrostatic Pneumatic [V] 2/23/93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

FEB 2

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING #93-074 2/23/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A JEO 2/23/93

Certificate of Authorization No. N/A JEO 2/23/93 Expiration Date N/A JEO 2/23/93

Signed Joseph E Dias (Owner or Owner's Designee, Title) Date 2-23-93, 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 Tennessee and employed by HSB I&I CO. 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 Earnsh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/1/93 19

WORK INSTRUCTION D-05698-16

P05709C
D05709-09

Page 6 cont. on Page 6a

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 (Name) — Date 2/23/93
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-05709-09 (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 gcl 2/23/93
Expiration Date
4. Identification of System RISIDUAL HEAT REMOVAL SYSTEM #74
5. (a) Applicable Construction Code AISC 7TH 1993 Edition, N/A gcl 2/23/93 Addenda, N/A gcl 2/23/93 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 gcl 2/23/93 | NONE | NONE | 1074-74 1RHR-R224 | UNKNOWN | REPLACEMENT | NO |
| 2 | PIPE SUPPORT | N/A gcl 2/23/93 | NONE | NONE | 1074-74-1RHR-R225 | UNKNOWN | REPLACEMENT | NO |
| 3 | PIPE SUPPORT | N/A gcl 2/23/93 | NONE | NONE | 1074-74-1RHR-R228 | UNKNOWN | REPLACEMENT | NO |
| 4 | PIPE SUPPORT | N/A gcl 2/23/93 | NONE | NONE | 1074-74-1RHR-R223 | UNKNOWN | REPLACEMENT | NO |
| 5 | PIPE SUPPORT | N/A gcl 2/23/93 | NONE | NONE | 1074-74-1RHR-V38 | 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 [N] Nominal ~~Operating Pressure~~ [ ]
Other [ ] ~~Pressure~~ N/A psi Test Temp. ____ °F
gcl 2/23/93

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.

(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 6a cont. on Page 6B

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-075 [illegible]

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [illegible] 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 TN and employed by HSB I.&I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-29-92 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.

[illegible] Commissions TN 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-10 19 93.

WATTS BAR NUCLEAR PLANT
MAR 03 1993

D 16460 25



# 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 3-3-93
   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-16460-25 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
   WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System CVC (062)
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 1A SUPPORT | TVA | NONE | NONE | 48N1221-7 MK 1 | 1993 | REPLACEMENT | NO |
| SEAL WATER INJECTION FILTER 1B SUPPORT | TVA | NONE | NONE | 48N1221-7 MK 1 | 1993 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACED BASEPLATE AND ANCHORS PER DCA 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

TVA NUCLEAR
MAR 03 1993

D 16460 25



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 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, PROJ. ENGR 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 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 Earnsh Commissions TN 2534
Inspector's Signature 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-16460-1~~0~~9 SDR 3-24-93 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
   WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A
   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 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 1A | PALL TRINITY MICRO. CORPORATION | 26262 | 13227 | 1-062-FLTR -04/1A | 1975 | REPLACEMENT | YES |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A JWH 3-10-93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 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 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, 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 IEI 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 Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93

MAR 10 1993

WATTS BAR

NOV 07 1993

WP D-16152-03

Form 1D Page 1 of 1

# 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 3-11-93
   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 ASC 19 73 Edition, 7TH Addenda, NA SF 3-11-93 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 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-A406-1-16 | NA SF 3-11-93 | NONE | NONE | NA SF 3-11-93 | UNKNOWN | REPLACEMENT | NO |
| | NA | SF 3-11-93 | | | | | |
| | | | | | | | |

7. Description of Work DELETE 3 SUPPORTS.
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ NA
   Other ☐ Pressure _____ psi Test Temp. _____ °F SF 3-11-93

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.

(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

WP D-16152-03
PAGE 1E WORK PAGE 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 NA SF 3-11-93

~~Certificate of Authorization No.~~ _____ Expiration Date _____

Signed S Fobes 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.

[illegible] Commissions TN 2539.
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-27 19 93

MAR 0 3 1993

WATTS BAR TVA NUCLEAR

Page 5A cont. on Page 5B

# R'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 03/03/93

Sheet 1 of 1

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

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 Wyh 3/3/93

4. Identification of System CHEMICAL & VOLUME CONTROL (062)

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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) |
|---|---|---|---|---|---|---|---|
| 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 |
| | | | | | | | |
| | | | | N/A Wyh | 3/3/93 | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORTS

8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F
Wyh 3/3/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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Page 5B cont. on Page 6

WP# D-16460-20

FORM NIS-2 (Back)

9. Remarks SPT. NOS. 1062-1-62A-121 & 1062-1-62A-134 HAVE
Applicable Manufacturer's Data Reports to be attached
BEEN MODIFIED.

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 Yates 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 IEI 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) — Date 3-17-93

400 W. SUMMIT HILL DR. KNOXVILLE, TN (Address) — Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1

P.O BOX 2000 SPRING CITY TN 37771 (Address) — D-05698-13 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~

WATTS BAR NUCLEAR PLANT (Address) — Authorization No. ~~N/A~~ — Expiration Date ~~N/A~~ YKD 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 YKD 3-17-93 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) |
|---|---|---|---|---|---|---|---|
| 1074-74-1RHR-R6 | N/A YKD 3-17-93 | NONE | NONE | N/A YKD 3-17-93 | UNKNOWN | REPLACEMENT | NO |
| 1063-A435-1-50 | N/A YKD 3-17-93 | NONE | NONE | N/A YKD 3-17-93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A | YKD 3-17-93 | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATIONS

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A YKD 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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W.P. ~~D-05690-13~~ 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A YKD 3-17-93

Certificate of Authorization No. _____ Expiration Date _____

Signed YKDalal MECH. ENGR. (Owner or Owner's Designee, Title) Date 3 - 17 -, 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 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 Carnagh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 4/5 1993

WATTS BAR TVA NUCLEAR JAN 28 1993

WATTS BAR TVA NUCLEAR MAR 1 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 (Name)
400 W. SUMMIT HILL DRIVE, KNOX. TN. (Address)

Date 3/18/93
Sheet 1 of 1
Unit 1

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000, SPRING CITY, TN. 37771 (Address)

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. N/A wmo 3/18/93
Expiration Date

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A wmo 3/18/93 Addenda, N/A 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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT 1062-1-62A-256 | N/A wmo 3/18/93 | NONE | NONE | DCA-P04591-25 DCA-P04591-26 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A wmo 3/18/93 | | | | |
| | | | | | | | |

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/A wmo 3/18/93 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.

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WATTS BAR TVA NUCLEAR MAR 1 6 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 Eamon Commissions TN-2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/27 19 93

WORK INSTRUCTION D-04591-04

Page 6A cont. on Page 6B

WATTS BAR TVA NUCLEAR MAR 1 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 (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)

3. Work Performed by TVA, MECH. MODS (Name)
WATTS BAR NUCLEAR PLANT (Address)

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A wmo 3/18/93 Addenda, N/A wmo 3/18/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH WINTER 1981

Date wmo 3/18/93 3/18/93
Sheet 1 of 1
Unit 1
WORKPLAN # D-04591-04 (Repair Organization P.O. No., Job No., etc.)
Type Code Symbol Stamp N/A
Authorization No. wmo 3/18/93
Expiration Date

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-534 | N/A wmo 3/18/93 | NONE | NONE | DCA-P04591-78 DCA-P04591-79 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A wmo 3/18/93 | | | | |
| | | | | | | | |

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 N/A wmo 3/18/93 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.

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WATTS BAR TVA NUCLEAR MAR 18 1993

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-083

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A WMO 3/18/93 Expiration Date N/A WMO 3/18/93

Signed [signature] (Owner or Owner's Designee, Title) Date 3/18, 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 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 Earnigh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 3/27 19 93

WORK INSTRUCTION D-04591-04

WORK INSTRUCTION D-16152-02

1-6-93 IE



# 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

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000 SPRING CITY, TN 37771 (Address)

Unit 1

D-16152-02 (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

5. (a) Applicable Construction Code ASC 19 73 Edition, 7TH Addenda, NA SF 3-20-93 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) |
|---|---|---|---|---|---|---|---|
| 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 | | | | | | |

7. Description of Work DELETE FOUR 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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D615202

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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 MECHENGR 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 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 Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/3 19 93

WORK INSTRUCTION D-04601-02

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) — Date 3-20-93
400 W SUMMIT HILL DR. KNOXVILLE, TN (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000 SPRING CITY, TN 37771 (Address) — D-04601-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA-MODIFICATIONS (Name) — Type Code Symbol Stamp ~~NA~~
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. ~~NA~~ — Expiration Date ~~NA~~ SF 3-20-93
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS ~~062~~ 062 SF 3-20-93
5. (a) Applicable Construction Code AISC 19 73 Edition, 7TH Addenda, ~~NA~~ SF 3-20-93 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) |
|---|---|---|---|---|---|---|---|
| 1062-A060-62-143 | NA SF3-20-93 | NONE | NONE | NA SF3-20-93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NA SF 3-20-93

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-04601-02

2 OF 2

Page 5B cont. on Page 6

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER - 93-85 SF 3-20-93

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA SF 3-20-93

Certificate of Authorization No. _____ Expiration Date _____

Signed S Forbes MECHANIC (Owner or Owner's Designee, Title) Date 3-20- , 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 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.

[signature] Commissions TN 2537.

Inspector's Signature — National Board, State, Province, and Endorsements

Date 3-27 19 93.

WORK INSTRUCTION D-04621-01

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 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 1

D-04621-01
Repair Organization P.O. No., Job No., etc.

3. Work Performed by TVA MODIFICATIONS (Name)
WATTS BAR NUCLEAR PLANT (Address)

Type Code Symbol Stamp 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 1973 Edition, 7TH Addenda, NA Code Case
(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) |
|---|---|---|---|---|---|---|---|
| 1062-02-1CVC-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 SF 3-20-93 | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR TVA NUCLEAR MAR 20 1993

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WORK INSTRUCTION D-04621-01
Page 5B cont. on Page 6

2 OF 2

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-86 SF 3-20-93
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 SForbes 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.&I. 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.

[illegible] 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 (Name) — Date 3/26/93
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 37381 (Address) — WO # 92-22920-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A DW 3/26/93
PO Box 2000 Spring City, TN 37381 (Address) — Authorization No. N/A DW 3/26/93
Expiration Date N/A DW 3/26/93
4. Identification of System Residual Heat Removal (074)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer 73 Addenda, N/A DW 3/26/93 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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-74-8A | Westinghouse | 10000GM 88SGH 0003 | W14312 | None | 77 | Replaced | Yes |
| | | | | | | | |
| | | | DW 3/26/93 N/A | | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Applicable Manufacturer's Data Reports to be attached

TRACKING # 92-087 DW 3/26/93

93

DW

3/26/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Mech. Engr. (Owner or Owner's Designee, Title) Date March 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 I&I 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.

Inspector's Signature Commissions TN2533 (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 (Name) — Date 3/26/93
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 37381 (Address) — WO No. 92-22920-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A QW 3/26/93
PO Box 2000, Spring City, TN 37381 (Address) — Authorization No. N/A QW 3/26/93
Expiration Date N/A QW 3/26/93
4. Identification of System Residual Heat Removal (074)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer '73 Addenda, N/A QW 3/26/93 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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-74-2B | Westinghouse | 14000 GM 88SEH 0001 | W11959 | None | 77 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |
| | | NIR QW 3/26/93 | | | | | |
| | | | | | | | |

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. QW 3/26/93

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.

(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 # 93-088 DJ 3/26/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 (Owner or Owner's Designee, Title) Date March 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 I&I 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.

Inspector's Signature

Commissions TN2533 (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 (Name) — Date 3/26/93
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 37381 (Address) — WO# 92-22920-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A QW 3/26/93
PO Box 2000 Spring City TN 37381 (Address) — Authorization No. N/A QW 3/26/93
Expiration Date N/A QW 3/26/93
4. Identification of System Residual Heat Removal (74)
5. (a) Applicable Construction Code ASME III 1971 Edition, Summer 73 Addenda, N/A QW 3/26/93 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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-74-1A | Westinghouse | 14000GM 885EH01 0057 1062 | W11960 | None | 77 | Replaced | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | N/R QW 3/26/93 | | | | |
| | | | | | | | |

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. QW 3/26/93

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

TRACKING # 93-089 Applicable Manufacturer's Data Reports to be attached 3/26/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Walker (Owner or Owner's Designee, Title) Date March 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 I&I 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 Earnest (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 3/29 19 93

WORKPLAN D-18202-07 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 (Name) — Date 3-30-93
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-18202-07 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp ~~N/A~~ JWA 3/30/93
PO BOX ~~4~~ 2 000 SPRING CITY TN (Address) — Authorization No. ~~N/A~~ JWA 3/30/93 — Expiration Date
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 | 3/30/93 JWA 36 DCA-18202-37 | N/A | Replaced | NO |
| 1063-A435-1-60 | | N/A JWA | | DCA-18202-37 | 3-30-93 | | |
| 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~~ ☐ N/A JWA 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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
JAN 0 9 199

(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

WP D-18202 07

Page 6 cont on page 7

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-090 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 Steele 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.

B. Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/3 19 93

WATTS BAR NUCLEAR
JAN 0 9 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 3-30-93
   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. 37771 (Address) — WP# D-17667-03 (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.
   Expiration Date 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 | | NA DC 3-30-93 | | DCA M17667-01 DC 3-30-93 | UNKNOWN | REPLACEMENT | NO |
| 2 | 1068-1-68-005 | | NA DC 3-30-93 | | DCA M17667-12 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |
| | | | | NA DC 3-30-93 | | | | |
| | | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 1 0 1993

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D 17667 031

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-091 3/30/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. NA DC 3-30-93 Expiration Date

Signed (Owner or Owner's Designee, Title) Date 3-30, 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 TENN 2352 R and employed by HSB I & I 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 (Inspector's Signature) Commissions TN-2534 (National Board, State, Province, and Endorsements)

Date 9/10 1993

MAR 10 1993

Page 3 cont. on Page 3A

# 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 3/22/93
W. SUMMIT HILL DRIVE, KNOX. TN. (Address) — Sheet 1 of 1
Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
O. BOX 2000, SPRING CITY, TN. 37771 (Address) — WORKPLAN # D-04585-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA, MECH. MOOS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A WMO 3/22/93
Expiration Date

4. Identification of System SYSTEM # 062, CVCS

5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A WMO 3/22/93 Addenda, N/A WMO 3/22/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH WINTER OF 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-034 | N/A WMO 3/22/93 | NONE | NONE | DCA-P04585-04 DCA-P04585-05 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 062-1-62A-067 | N/A WMO 3/22/93 | NONE | NONE | DCA-P04585-08 DCA-P04585-09 DCA-P04585-10 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 1062-1-62A-063 | N/A WMO 3/22/93 | NONE | NONE | DCA-P04585-06 DCA-P04585-07 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 1062-1-62A-066 | N/A WMO 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 INCLUDED AN ADDITIONAL PSA 1/4 SNUBBER.
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/A WMO 3/22/93

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.

WORK INSTRUCTION D-04585-01

Page 3A cont. on Page 4

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-093 WMO 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [signature] 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 IKI 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. Earnest Commissions TN 2534

Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

WATTS BAR

MAR 30 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) — Date 03/31/93
   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) — D-04636-01 (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 WYH
   Expiration Date 3/31/93
4. Identification of System 063 (SAFETY INJECTION)
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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) |
|---|---|---|---|---|---|---|---|
| SPT. NO. 1063-A435-10-42 | TVA | NONE | NONE | 1063-A435-10-42 | 1993 | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A WYH 3/31/93 | | | |
| | | | | | | | |

7. Description of Work ADDED WELD
8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F N/A WYH 3/31/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP# D-04636-01

MAR 05 1993

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 W Yhafs 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 I.P.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.

R. Ramsey Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 1993

WORK INSTRUCTION D-05709-03

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 TENNESSEE VALLEY AUTHORITY (Name) Date 4-5-93
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, TENNESSEE (Address) D-05709-03 (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 YKD 4-5-93

4. Identification of System RHR

5. (a) Applicable Construction Code AISC 1973 Edition, 7th, SEVENTH Addenda, N/A YKD 4-5-93 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) |
|---|---|---|---|---|---|---|---|
| 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 | | 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 |
| | | | N/A YKD 4-5-93 | | | | |

7. Description of Work SUPPORT MODIFICATIONS

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ N/A YKD 4-5-93
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, (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

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WORK INSTRUCTION D-05709-03



FORM NIS-2 (Back)

9. Remarks TRACKING # 93-095 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. N/A YKD 4-5-93 Expiration Date

Signed YKDalal, MECH. ENGR. (Owner or Owner's Designee, Title) Date 4 - 5 -, 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 11/25/91 to 4/16/93, 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 Commissions TN 2537 (National Board, State, Province, and Endorsements)

Date 4-17 19 93.

WATTS BAR
TVA NUCLEAR
APR 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 4/5/93
   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 ~~37771~~ 37381 wyh 4/5/93 (Address) D-04636-06 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (Name) Type Code Symbol Stamp
   P.O. BOX 2000, SPRING CITY, TN 37381 (Address) Authorization No.
   Expiration Date N/A wyh 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | NONE | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORT
8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F N/A
   Wyh 4/5/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

7 8

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 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 Wyhaff (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 [illegible] CO 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. Campbell Commissions TN 2524
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/14/93 19

APR 0 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 (Name)
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address)

Date 4/8/93
Sheet 1 of 1

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

Unit 1
W.P. D-16459-05
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 JRD 4/8/93

4. Identification of System SAFETY INJECTION SYS. 063

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th 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 JRD 4/8/93 | NONE | NONE | 1063-1-63-356 | UNKNOWN | REPLACEMENT | NO |
| (2) | PIPE SUPPORT | N/A JRD 4/8/93 | NONE | NONE | 1063-1-63-262 | UNKNOWN | REPLACEMENT | NO |
| (3) | PIPE SUPPORT | N/A JRD 4/8/93 | NONE | NONE | 1063-A435-36-1 | UNKNOWN | REPLACEMENT | NO |
| (4) | PIPE SUPPORT | N/A JRD 4/8/93 | NONE | NONE | 1063-A435-7-50 | UNKNOWN | REPLACEMENT | NO |
| (5) | PIPE SUPPORT | N/A JRD 4/8/93 | NONE | NONE | 1063-1-63-253 | UNKNOWN | REPLACEMENT | NO |

7. Description of Work (1) ADDED 2 X 2 PLATE (2) INSTALLED ANGLE & TUBE 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 psi Test Temp. °F
JRD 4/8/93

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.



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 # 93-097 JWN 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 JEC 4/8/93

Certificate of Authorization No. N/A JEC 4/8/93 Expiration Date N/A JEC 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. Ewing Commissions TN 2534
Inspector's Signature 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 (Name) — Date 4/8/93
   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) — W.P. D-04535-05 (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 JEO 4/8/93
   Expiration Date
4. Identification of System FEED WATER/AUX FEED WATER / SYS 03
5. (a) Applicable Construction Code AISC, 7TH 1993 Edition, N/A JEO 4/8/93 Addenda, N/A JEO 4/8/93 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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 JEO 4/8/93 | NONE | NONE | 1003A-1-03A-403 | UNKNOWN | REPLACEMENT | NO |
| (2) | PIPE SUPPORT | N/A JEO 4/8/93 | NONE | NONE | 1003A-1 03A-405 | UNKNOWN | REPLACEMENT | NO |
| (3) | PIPE SUPPORT | N/A JEO 4/8/93 | NONE | NONE | 1003A-1-03A-425 | UNKNOWN | REPLACEMENT | NO |
| (4) | PIPE SUPPORT | N/A JEO 4/8/93 | NONE | NONE | 1003A-1-03A-426 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | | |

7. Description of Work (1) INSTALLED TUBE STEEL & PLATE (2) NEW SUPPORT (3) INSTALLED TUBE STEEL AND CLAMP (4) RELOCATED REAR ATTACHMENT
8. Tests Conducted: Hydrostatic Pneumatic ☐ N/A JEO 4/8/93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 # 93-098 J.H. 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 JEO 4/8/93

Certificate of Authorization No. N/A JEO 4/8/93 Expiration Date N/A JEO 4/8/93

Signed Joseph E Owen 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 IAI 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. Eamon 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 '99

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) — Date 4/12/93
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-04623-02, K-P04623A- (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. N/A — Expiration Date 4/12/93
4. Identification of System SYSTEM #062, CVCS
5. (a) Applicable Construction Code ASC, 7TH 1973 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 1980 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 # 1062-62-1LCV-R225 | N/A 4/12/93 | NONE | NONE | DCA-P04623-36 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 0062-A555-10-29 | | NONE | NONE | DCA-P04623-16 DCA-P04623-17 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work 1062-62-1LCV-R225 - REPLACED EXISTING ROD AND CLAMP WITH ~~RIG~~ RIGID SWAY STRUT AND CLAMP. 0062-A555-10-29 - REMOVED EXISTING PIPE CLAMP AND ADDED WELD TO EXISTING BEAM ATTACHMENT. RESET SAMPLING CANS. N/A 4/12/93
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

WP D-04623-02



FORM NIS-2 (Back)

9. Remarks TRACKING # 93-99 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 WMD 4/12/93

Certificate of Authorization No. N/A WMD 4/12/93 Expiration Date N/A WMD 4/12/93

Signed M L 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 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.

C. E. Metcalfe Commissions TN-2633
Inspector's Signature National Board, State, Province, and Endorsements

Date May 13, 1993

JAN 27 1993

D 07886 04

Page 21E Cont. of Page 22

# 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 APRIL 12, 1993
   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) — WORK PLAN D-07886-04 (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 JWH 4-12-93
   Expiration Date
4. Identification of System CVC (062)
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, N/A JWH 4-12-93 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 JWH 4-12-93 | NONE | NONE | 1062-1-62-271 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A JWH 4-12-93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 # 93-100 JWR 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 (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 James W Haly, PROJ. ENGR (Owner or Owner's Designee, Title) Date APRIL 12, 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 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. Heater (Inspector's Signature) Commissions TN2533 (National Board, State, Province, and Endorsements)

Date 4/13 19 93

MAR 0 9 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 (Name) Date 4/12/93
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-04593-02 (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. N/A WMO 4/12/93 Expiration Date
4. Identification of System SYSTEM # 062, CVCS
5. (a) Applicable Construction Code AISC 7TH 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 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-356 | N/A WMO 4/12/93 | 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., SNUBBER, 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WORK INSTRUCTION D-04593-02

Page 6B cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRACKING # 92-101 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.
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 DODO 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 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. Eamah Commissions TN2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/1, 19 93

TVA NUCLEAR
APR 13 1993

APR 0 3 1993 TVA RECEIVED WATTS BAR

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 (Name) — Date 4-13-93

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) — WORKPLAN D-16448-04 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA (WBNP MODIFICATIONS) (Name) — Type Code Symbol Stamp N/A

PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System ERCW (067)

5. (a) Applicable Construction Code ASC 1973 Edition, 7TH Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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) |
|---|---|---|---|---|---|---|---|
| SUPPORT | N/A | N/A | N/A | 1067-450-22-1EB-10 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPLACE EXIST'G 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

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

/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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D 16448 04

Page 5D cont. on Page 6

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-102 JW4-13-93

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 Haley, PROJ. ENGR JW4-13-93 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.

R. B. Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

APR 0 3 1993

WATTS BAR NUCLEAR PLANT

WP # D16448-04

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

As Required by the Provisions of the ASME Code Section XI

Page 5A CONT'D ON Page 5B

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 4-13-93 JWH 4-13-93

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) — WORKPLAN D-16448-04 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA (WBNP MODIFICATIONS) (Name) — Type Code Symbol Stamp

PO BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/A JWH 4-13-93

Expiration Date

4. Identification of System ERCW (067)

5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A JWH 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) |
|---|---|---|---|---|---|---|---|
| SUPPORT | JWH 4-13-93 N/A | JWH 4-13-93 N/A | JWH 4-13-93 N/A | 1067-450-22-1EB-15 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | JWH 4-13-93 | | | |
| | | | | | | | |

7. Description of Work REMOVE SUPPORT (SUPPORT DELETED).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F N/A JWH 4-13-93

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.



This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

D 16148 04 ~~01~~ Int 4-13-93

Page 5B Complete Page 5C

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-103 Int 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 (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 James W Haly, PROJ ENGR (Owner or Owner's Designee, Title) Date APRIL 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 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. Earnest (Inspector's Signature) Commissions TN 2534 (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. N/A
Expiration Date 4/14/93
4. Identification of System SYSTEM #062, CVCS & SYSTEM #068, RCS
5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A 4/14/93 Addenda, N/A 4/14/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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 4/14/93 | NONE | NONE | ~~DCA-A01~~ 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 1062-1-62A-331 | | NONE | NONE | FDCN # F-22678-A | UNKNOWN | REPLACEMENT | NO |
| 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
N/A 4/14/93

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.

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WORK INSTRUCTION D-05792-02

Page 7 cont. on Page 7A

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-104 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 4/14/93

Certificate of Authorization No. N/A 4/14/93 Expiration Date N/A 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 TN and employed by HSB I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 1-17-93 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.

[illegible] Commissions TN 2537.
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-8- 1993

WATTS BAR

APR 17 1993

BAR TVA NUCLEAR APR 16 1993

WORKPLAN D-00278-01

Page 10 cont. on Page 10A

# 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 4-16-93
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-00278-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR MODIFICATIONS (Name) Type Code Symbol Stamp N/A
P.O. BOX 2000, SPRING CITY, TN 37771 (Address) Authorization No. 4-16-93 Expiration Date
4. Identification of System 063 / SIS
5. (a) Applicable Construction Code ASME 19 73 Edition, JUNE 73 Addenda, N/A TSF Code Case 4-16-93
(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) |
|---|---|---|---|---|---|---|---|
| 1063-A060-63 92 | | N TSF | 4-16-93 | DCAS M-00278-20, 21 AND M-00278-22 | N A | REPLACEMENT | NO |
| 1063-A060-63 93 | | A | | DCAS | TSF 4-16-93 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work INSTALL NEW SUPPORTS
8. Tests Conducted: ~~Hydrostatic~~ N Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure A psi Test Temp. °F
TSF 4-16-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORKPLAN D-00278-01

Page 10 A cont. on Page 11

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-105 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 S Faccian 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. & I. 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 TN2537.
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-17 19 93.

WORKPLAN D-00278-04

Page 14 cont. on Page 14A

## 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 4-16-93
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-00278-04 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
P.O. BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. TSF
Expiration Date 4-16-93
4. Identification of System 063/SIS
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, N/A TSF 4-16-93 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-A060-63-94 | | N TSF 4-16-93 | | DCA M00278-26 M00278-27 | N/A | REPLACEMENT | NO |
| 1063-A060-63-95 | | A | | DCA M00278-28 M00278-29 AND M00278-30 | TSF 4-16-93 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work BRAND NEW SUPPORTS INSTALLED.
8. ~~Tests Conducted: Hydrostatic~~ N ~~Pneumatic~~ ☐ ~~Nominal Operating Pressure~~ ☐
~~Other~~ ☐ ~~Pressure~~ A TSF 4-16-93 ~~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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, NY 10017

TVA NUCLEAR APR 16 1993

REPRINT 12/91

WORKPLAN D-00278-04



FORM NIS-2 (Back)

9. Remarks TRACKING # 93-106 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 S Fracioni 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 Earnigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/11 19 93

WP D 16461 11

NOV 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 (Name) — Date 4-15-93

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) — D-16461-11 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~

WBNP (Address) — Authorization No. ~~N/A~~ 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A AC 4-15-93 | | | |
| | | | | | | | |

7. Description of Work DELETED SUPPORT.

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A AC 4-15-93 ~~Other~~ ☐ ~~Pressure~~ _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Page 6 cont. on Page 7

REPRINT 12/91

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 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 Campbell 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) — Date 4/19/92
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-04633-04 (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 ~~ICD~~ 4/19/93
Expiration Date
4. Identification of System SAFETY INJECTION / SYST. 63
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A ~~ICD~~ 4/19/93 Addenda, N/A ~~ICD~~ 4/19/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 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 ~~ICD~~ 4/21/93 | NONE | NONE | 1063-1-63-064 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N/A ~~ICD~~ 4/21/93 | | | | |
| | | | | | | | |

7. Description of Work RELOCATED PIPE SUPPORT
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐
~~Other~~ ☐ ~~Pressure~~ N/A ~~ICD~~ 4/21/93 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WATTS BAR
TVA NUCLEAR
MAY 0 5 199



FORM NIS-2 (Back)

9. Remarks Tracking Number ~~108~~ 93-108 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 4/21/93

Certificate of Authorization No. N/A 4/21/93 Expiration Date N/A 4/21/93

Signed [signature]
Owner or Owner's Designee, Title

Date APRIL 21, 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 CG 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. Eamigh
Inspector's Signature

Commissions TN 2534
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 (Name) — Date 4-22-93
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 37771 (Address) — WP D-00278-105 (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 4-22-93
4. Identification of System SAFETY INJECTION 1063
5. (a) Applicable Construction Code AISC 1973 Edition, 7th Addenda, N/A 4-22-93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W/W 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) |
|---|---|---|---|---|---|---|---|
| 1063-A435-8-61 | | NONE | NONE | | UNKNOWN | DELETED | NO |
| 1063-A435-8-62 | N | | | N | | | NO |
| 1063-A435-8-63 | A 4-22-93 | | | A 4-22-93 | | | NO |
| 1063-A435-8-69 | | | | | | | NO |
| 1063-A435-8-65 | | | | | | | NO |

7. Description of Work SUPPORTS REMOVED / DELETED
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N
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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

PG. 7 CONT. OR 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 [illegible] MECH. ENGR (Owner or Owner's Designee, Title) 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 E & 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.

B. Earnest (Inspector's 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 (Name) Date 4-23-93
400 W. SUMMIT HILL DRIVE KNOXVILLE, TN (Address) Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
P.O. BOX 2000 SPRING CITY, TN (Address) WP D-00278-106 (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 4-23-93
4. Identification of System SAFETY INJECTION / 063
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th Addenda, N/A Code Case 91 4-23-93
(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) |
|---|---|---|---|---|---|---|---|
| 1063-A435-6-60 | N/A | NONE | NONE | N/A | UNKNOWN | (DELETION) REPLACEMENT | NO |
| 1063-A435-7-61 | 91P 4-23-93 | ↓ | ↓ | | ↓ | ↓ | NO |
| 1063-A435-7-66 | | ↓ | ↓ | 91P 4-23-93 | ↓ | ↓ | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work SUPPORT DELETIONS / REMOVALS
8. Tests Conducted: Hydrostatic Pneumatic ☐ N 91P 4-23-93 Nominal ~~Operating Pressure~~ ☐
Other ☐ ~~Pressure~~ _____ psi Test Temp. N/A _____ °F

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

(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-00278-106

## FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-110 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. N Expiration Date 4-23-93

Signed [illegible] MECH ENGR Date 4-23, 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&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. Edwards Commissions TN2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

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 (Name) — Date 4/24/93
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) — WO-92-12113-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by PO BOX 2000, SPRING CITY, TN (Name) — Type Code Symbol Stamp
PO BOX 2000 SPRING CITY TN. (Address) — Authorization No. N/A FY 4/24/93
Expiration Date
4. Identification of System 063/SIS
5. (a) Applicable Construction Code ASC 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 | BERGEN PATERSON | | | 47A435-7-51 | UNKNOWN | REPLACED | NO |
| | | N/A | FY 4/24/93 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WO - 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 4/24/93
4/24/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

Certificate of Authorization No. N/A Fy 4/24/93 Expiration Date _____

Signed F Yemp (Owner or Owner's Designee, Title) Date 4/24/93, 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 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 Easmgh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 4/29 19 93

TVA NUCLEAR

APR 2 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 4.26.93
   NUCLEAR POWER (Address) — Sheet ____ of ____
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
   P.O. BOX 2000 SPRING CITY, TN. (Address) — WP# D05709-10 (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. ~~NA RLF 4.26.93~~ — Expiration Date ____
4. Identification of System 74/RHR
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-A431-2-9 | NA RLF | 4.26.93 | | PLA-P05709-9-0 | UNKNOWN | REPLACEMENT | NO |
| 1063-A435-1-12 | NA RLF | 4.26.93 | | PLA-P05709-12-1 PLA-P05709-13-1 PLA-P05709-54-0 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | NA RLF 4.26.93 | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

TVA NUCLEAR

APR 2 6 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-112 4/26/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

Certificate of Authorization No. NR-RF 4-26-93 Expiration Date _____

Signed Randy Graham (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 I&I 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.

S E Farmer (Inspector's Signature) Commissions TN 2534 (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 N/A JWD 4/27/93
   P.O. Box 2000, Spring City, TN 37771 (Address) — Authorization No. N/A JWD — Expiration Date
4. Identification of System 062/ CVCS
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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-348 | | N/A JWD 4-27-93 | | DCA 5 P04593-12 P04593-13 | UNKNOWN | Replacement | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure N/A JWD 4-27-93 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.

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WATTS BAR
TVA NUCLEAR
APR 27 1993

# 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 4/27/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 4-27, 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 of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 1-8-93 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. Mitcalfe (Inspector's Signature) Commissions TN-2633 (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 (Name)
NUCLEAR POWER (Address)

Date 4-10-93
Sheet 1 of
Unit 1
93-06800-00 (Repair Organization P.O. No., Job No., etc.)
Type Code Symbol Stamp
Authorization No. N/A
Expiration Date

2. Plant WATTS BAR NUCLEAR PLANT (Name)
PO BOX 2000, SPRING CITY, TN. (Address)

3. Work Performed by TVA (Name)
PO BOX 2000, SPRING CITY, TN. (Address)

4. Identification of System 074, RHR

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) |
|---|---|---|---|---|---|---|---|
| 74-2RHR-R216 | | NA | NA | DCA-5-9814-160-0 | UNKNOWN | Replaced STRUT | No |
| | | | | | | | |
| | | | NA | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work CUT AND WELD PROPER LENGTH FOR NEW STRUT AND REPLACED 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

N.O 93-063 -02
PAGE 29A

## FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-114 DG 4/23/93
27 DG 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. NA7104 Expiration Date 4/26/93

Signed Kenneth P. Jones 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 HSB I/I CO. of _____ have inspected the components described in this Owner's Report during the period 6/1/93 to 6/1/93, 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. Earnest Commissions TN 2534
Inspector's Signature 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 (Name) — Date 4/27/93
400 W. Summit Hill Dr. 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) — WO# 92-22911-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A DW 4/27/93
PO Box 2000 Spring City TN 37381 (Address) — Authorization No. N/A DW 4/27/93
Expiration Date N/A DW 4/27/93
4. Identification of System Safety Injection System (63)
5. (a) Applicable Construction Code ASME III 1971 Edition, Summer 73 Addenda, N/A DW 4/27/93 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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-63-11B | Westinghouse | 0004 | W10932 | None | '76 | Replaced | Yes |
| | | | | | | | |
| | | | N/R | | | | |
| | | | DW 4/28/93 | | | | |
| | | | | | | | |

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 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.

(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

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-117 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 I&I 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 Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/18 19 93

92-22911-02

# 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 4/28/93
Nuclear Power (Address) — Sheet 1 of 1

2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
P.O. Box 2000, Spring City, TN (Address) — WO# 92-22911-02 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A DW 4/28/93
PO Box 2000 Spring City, TN 37381 (Address) — Authorization No. N/A DW 4/28/93
Expiration Date N/A DW 4/28/93

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 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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-63-156A | Westinghouse | 0005 | W10894 | None | '75 | Replaced | Yes |
| | | | | | | | |
| | | | N/R DW 4/28/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Drilled Pressure Relief Hole in One Disc.

8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure ☐~~ None Required DW 4/28/93
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.

(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 _____

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-118 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 I & I 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. Earnest 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) — Date 4/28/93
400 W. Summit Hill Dr. Knox. TN. (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
PO Box 2000 Spring City, TN. 37381 (Address) — WO # 92-22911-03 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp N/A DW 4/28/93
PO Box 2000 Spring City TN. 37381 (Address) — 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 DW 4/28/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W81
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 | | | | |
| | | | | | | | |

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 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.

(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 _____

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-119 [illegible] 4/28/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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. Engr. (Owner or Owner's Designee, Title) Date April 28, 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 5/13/93 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 Earnest (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 (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) — W.O. 08-16311-37 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Mechanical Maintenance (Name) — Type Code Symbol Stamp N/A ~~DHH~~ 4/30/93
   P.O. Box 2000 Spring City TN 37381 (Address) — Authorization No. N/A ~~DHH~~ 4/30/93
   Expiration Date N/A ~~DHH~~ 4/30/93
4. Identification of System 62, CVCS
5. (a) Applicable Construction Code AISC, Steel Const Manual 7th edition 19____ Edition, N/A ~~DHH~~ 4/30/93 Addenda, N/A ~~DHH~~ 4/30/93 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W81
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) |
|---|---|---|---|---|---|---|---|
| 62-1CVC-R166 | TVA | N/A ~~DHH~~ 1/6/93 | N/A ~~DHH~~ 1/6/93 | Hanger | N/A ~~DHH~~ 1/6/93 | Replaced | No |
| | | | | | | | |
| | | | N/R DW 4/30/93 | | | | |
| | | | | | | | |
| | | | | | | | |

RG 5/3/93

7. Description of Work ~~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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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. 93-120 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 4/30/93

Certificate of Authorization No. N/A 4/30/93 Expiration Date N/A 4/30/93

Signed Mant 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 STEAM BOILER I. & I. 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.

C. E. Mitcalfe Commissions TN-2633
Inspector's Signature National Board, State, Province, and Endorsements

Date May 10, 19 93

WO-93-06915-00
PAGE 14 OF 23

# 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 4-12-93
Sheet 1 of

2. Plant WATTS BAR NUCLEAR PLANT (Name)
PO BOX 2000, SPRING CITY, TN. (Address)
Unit 1
93-06915-00 (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
Authorization No. N/A RCK 4-12-93
Expiration Date

4. Identification of System 063, SIS

5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, N/A RCK 4-12-93 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) |
|---|---|---|---|---|---|---|---|
| 63-1SIS-R189 | BERGEN PATERSON | | N/A FJ 4/29/93 | | | REPLACED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A FJ 4/29/93 | | | |
| | | | | | | | |

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 FJ 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.



This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WO-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 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 F4 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 5-6 19 93.

B 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 | | | | DCN F-23055A | UNKNOWN | REPLACEMENT | NO |
| 1062-62-1CVC-R116 | | NA | | DCN-F-23915 A | UNKNOWN | REPLACEMENT | NO |
| 1062-62-1CVC-R117 | | | | DCN-F-23916 A | UNKNOWN | REPLACEMENT | NO |
| 1062-62-1CVC-R118 | | | | DCN-F-23917A | UNKNOWN | REPLACEMENT | NO |
| | | | NA | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-121 4/20/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the repair or replacement ASME Code, Section XI.

NA 4/30/93

Type Code Symbol Stamp _____

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ 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 and/or Province of TN and employed by HSB I & I Co. Hartford, CT. have inspected the components 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 this Owner's Report in accordance with the 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.

_____ Commissions TN 2539

Inspector's Signature — National Board, State, Province, and Endorsements

Date 5/3/93 19 93



CONT ON PG. 8

D-16448-19

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 (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 JWD 4-30-93 — Expiration Date

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) |
|---|---|---|---|---|---|---|---|
| 1067-450 22-1EB-3 | | 4-30-93 N/A JWD | | DCA-M16448 22-0 | UNKNOWN | Replacement | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A JWD 4-30-93

7. Description of Work SUPPORT WAS DELETED

8. ~~Tests Conducted: Hydrostatic~~ Pneumatic ☐ N/A JWD 4/30/93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP D-16448-19

Page 7 cont. on Page 8

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-122 TMC3 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 N/A

Certificate of Authorization No. N/A Expiration Date 4-30-93

Signed Jerry W Steele Date 4-30-93 4/30/93, 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 5/22/93 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 Earnsh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/22, 19 93

WATTS BAR
TVA RECEIVED
APR 17 1993

WP # D-06034-02

PG. 6 CONT. ON PG. 6A

JAN 2 2 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) — Date 5-1-93
   400W. 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 37771 (Address) — WP# D-06034-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N A~~
   P.O. BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. ~~N A~~ CDN 5/1/93 — Expiration Date
4. Identification of System 068 / RC
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 73 Addenda, N/A CDN 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) |
|---|---|---|---|---|---|---|---|
| 1068-1-68-432 | | | | ~~DCA-K03064-~~ CDN 5/1/93 DCA-K06034-11,12,13,14,15,16 | | REPLACEMENT | NO |
| 1068-1-68-433 | | | | DCA-K06034-05,06,07,08,09,10 | | REPLACEMENT | NO |
| ~~1068-1-68-443~~ | | N A | | DCA-K06034-84,85,86 | N A CDN | REPLACEMENT | NO |
| 1068-1-68-500 | | CDN 5/1/93 | | DCA-K06034-53,54 | 5/1/93 | REPLACEMENT | NO |
| 1068-1-68-503 | | | | DCA-K06034-36,37,38 | | REPLACEMENT | NO |

N/A CDN 5-4-93

7. Description of Work REMOVE SUPPORTS
8. Tests ~~Conducted: Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure _____ psi ~~Test Temp. _____ °F~~ N/A CDN 5/1/93

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.

(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 6A cont. on Page 7

JAN 2 2 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING NO. 93-123 CDN 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. N A CDN 5/1/93 Expiration Date

Signed 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. Earnest
Inspector's Signature

Commissions TN 2534
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

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 5-1-93
   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* D00278-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR MODIFICATIONS (Name) — Type Code Symbol Stamp /
   P.O. BOX 2000, SPRING CITY, TN 37771 (Address) — Authorization No. N/ TSF
   Expiration Date /A 5-1-93
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) |
|---|---|---|---|---|---|---|---|
| 1063-A060-63-96 | | N TSF 5-1-93 ~~A~~ TSF 5-1-93 | | DCAS M-00278-31,32 AND M00278-33 | | REPLACEMENT | NO |
| 1063-A060-63-97 | | A | | DCAS M-00278-34 AND M00278-35 | | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work INSTALL NEW SUPPORTS
8. Tests Conducted: ~~Hydrostatic~~ N 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WORKPLAN D-00278-02



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. N/A TSF 5-1-93 Expiration Date _____

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 I & I 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

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# 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 5-4-93
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. 37771 (Address) — W.O 92-12508-00 (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. NA ~~XX~~ 5/4/93
Expiration Date
4. Identification of System 063/515
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA ~~XX~~ 5/4/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 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 | | NA ~~XX~~ 5/4/93 | | CLAMP | UNKNOWN | REPLACED | No |
| | | | | | | | |
| | | | NA ~~XX~~ 5/4/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced CLAMP ON HANGER 47A435-8-52

~~8. Tests Conducted:~~ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NA ~~XX~~ 5/4/93
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.



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

TUCKING # 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 K Lewis Date 5-4-93 5/4/93, 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 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 Campbell Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 93

WP D-05792 10



**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) — Date 5-4-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 200, SPRING CITY, TN 37771 (Address) — D-05792-10 (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 cf 5-4-93
Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL (062) & REACTOR COOLANT (068)
5. (a) Applicable Construction Code ASC 1973 Edition, SEVENTH Addenda, N/A cf 5-4-93 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-A406-9-56 | N/A cf 5-4-93 | None | None | N/A cf 5-4-93 | cf 5-4-93 ~~unknown~~ "1993" | REPLACEMENT | No |
| 1068-A406-9-57 | N/A cf 5-4-93 | None | None | N/A cf 5-4-93 | cf 5-4-93 ~~unk~~ "1993" | REPLACEMENT | No |
| 1062-A406-9-58 | N/A cf 5-4-93 | None | None | N/A cf 5-4-93 | "1993" | REPLACEMENT | No |
| 1062-1-62A-319 | N/A cf 5-4-93 | None | None | N/A cf 5-4-93 | unknown | REPLACEMENT | No |
| 1062-1-62A-318 | N/A cf 5-4-93 | None | None | N/A cf 5-4-93 | unknown | REPLACEMENT | No |

cf 6-24-93

7. Description of Work INSTALLATION OF ~~MODING~~ cf 5-4-93 NEW HGR'S & MODIFICATIONS.
8. ~~Tests Conducted:~~ ~~Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F N/A cf 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 BAR
JAN 16 199

WP D-05792 10



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-126 5/4/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

~~Certificate of Authorization No.~~ Expiration Date

Signed (Owner or Owner's Designee, Title) MECH. ENGR. Date MAY 04, 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 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.

Inspector's Signature Commissions TN 2537 (National Board, State, Province, and Endorsements)

Date 6-24 1993.

WATTS BAR TVA NUCLEAR JAN 1 6 1993

DEC 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) — Date 5/4/93
   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) — D-04636-05 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TENNESSEE VALLEY AUTHORITY (Name) — Type Code Symbol Stamp ____
   400 W. SUMMIT HILL DR. KNOXVILLE, TN 37381 (Address) — Authorization No. N/A — Expiration Date ____ WYL 5/4/93
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) |
|---|---|---|---|---|---|---|---|
| 1063-1-63-165 | TVA | NONE | NONE | 1063-1-63-165 | 1993 | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | NONE | | | |
| | | | | | | | |

7. Description of Work MODIFIED
8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure ____ psi Test Temp. ____ °F N/A WYL 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.

(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 0 5 1995

04636-05

WPH D-164

5/5/93

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 _____ (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 Wyhafs (F.E.) (Owner or Owner's Designee, Title) Date 5/4/ , 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.P.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. Farrar (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 5/15 19 93

WATTS BAR
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 (Name) — Date 5-4-93
   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-00278-03 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR MODIFICATIONS (Name) — Type Code Symbol Stamp
   P.O. Box 2000, SPRING CITY, TN. 37771 (Address) — Authorization No. N TSF
   Expiration Date A 5-4-93
4. Identification of System 063 / SIS
5. (a) Applicable Construction Code AISC 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 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 | | 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~~ N TSF 5-4-93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

REPRINT 12/91.

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FORM NIS-2 (Back)

9. Remarks TRACKING # 93-128 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. N A TSF Expiration Date 5-4-93

Signed Timothy S Faccioni 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 & 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 TN-534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/19 19 93

WORKPLAN D-00078-03

MAR 0 6 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)
400N SUMMIT HILL DR. KNOXVILLE, TN (Address)

Date 5-13-93

Sheet 1 of 2

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000, SPRINGCITY, TN 37771 (Address)

Unit 1

D-04592-05
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~~ NA SF 5-3-93

4. Identification of System CHEMICAL & VOLUME CONTROL SYS 062

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, NA SF 5-3-93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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) |
|---|---|---|---|---|---|---|---|
| 1062-A406-9-52 | NA SF 5-3-93 | NONE | NONE | NA SF 5-3-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-A406-9-53 | NA SF 5-3-93 | NONE | NONE | NA SF 5-3-93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | NA SF 5-3-93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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D-04592-05

Page 6A cont. on Page 7

2/2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-129 SF 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 5-3-93

Certificate of Authorization No. _____ Expiration Date _____

Signed SFowler 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. & 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 (Name) — Date 5-5-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN. (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
PO BOX 2000, SPRING CITY, TN 37381 (Address) — WP. D-04593-04 (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 cf 5-5-93
Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL (SYS. 062)
5. (a) Applicable Construction Code AISC 19 73 Edition, SEVENTH Addenda, N/A cf 5.5.93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 THROUGH 1981, W/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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-557 | N/A cf 5.5.93 | NONE | NONE | N/A cf 5.5.93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-560 | N/A cf 5.5.93 | NONE | NONE | N/A cf 5.5.93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-563 | N/A cf 5.5.93 | NONE | NONE | N/A cf 5.5.93 | UNKNOWN | REPLACEMENT | NO |
| | | | N/A cf 5.5.93 | | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATION.
8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F N/A cf 5.5.93

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.

(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-04593-04

## FORM NIS-2 (Back)

9. Remarks TRACKING # 93-130 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 N/A 5.5.93

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 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. Earnest
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 6/18 19 93

TVA NUCLEAR
MAY 0 5 1993
WATTS BAR

WATTS BAR JAN 14 1993

Page 4A cont. on Page 4B

D-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) — Date 5-3-93

400 W. SUMMIT HILL DRIVE, KNOXVILLE TN. (Address) — Sheet 1 of 2

2. Plant WATTSBAR NUCLEAR PLANT. (Name) — Unit 1

P.O. BOX 2000, SPRING CITY, TN. 37771 (Address) — 92 D-04529-04 9/12/96 4 9/12/96

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 ASC 1973 Edition, 7TH, SEVENTH Addenda, NA SF5-3-93 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) |
|---|---|---|---|---|---|---|---|
| 1062-A406-9-48 | NA SF5-3-93 | NONE | NONE | NA SF5-3-93 | UNKNOWN 1993 | REPLACEMENT | NO |
| 1062-A406-9-49 | NA SF5-3-93 | NONE | NONE | NA SF5-3-93 | UNKNOWN 1993 | REPLACEMENT | NO |
| 1062-A406-9-50 | NA SF5-3-93 | NONE | NONE | NA SF5-3-93 | UNKNOWN 1993 | REPLACEMENT | NO |
| 1062-A406-9-51 | NA SF5-3-93 | NONE | NONE | NA SF5-3-93 | UNKNOWN 1993 | REPLACEMENT | NO |
| | | | | | | | |

NA SF 5-3-93

7. Description of Work SUPPORT MODIFICATION FOR FCV (FLOW CTRL VALVE).

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

NA SF5-3-93

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.

(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-04592-04

2/2

FORM NIS-2 (Back)

9. Remarks TRACKING NUM 93-131 SF 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 5-3-93

Certificate of Authorization No. _____ Expiration Date _____

Signed SFoles 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. & I. 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 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. 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. NA KKL 5/6/93 — Expiration Date
4. Identification of System 062/CVC
5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA KKL 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) |
|---|---|---|---|---|---|---|---|
| 1062-1CVC-R142 | | NA KKL 5/6/93 | | DCA-S09820-1719 | UNKNOWN | REPAIRED | N |
| 1062-1CVC-R151 | | NA KKL 5/6/93 | | DCA-S09820-1719 | UNKNOWN | REPAIRED | N |
| | | | | | | | |
| | | | NA KKL 5/6/93 | | | | |
| | | | | | | | |

7. Description of Work REPAIRED HANGERS 1062-1CVC-R142, 1062-1CVC-R151 BY WELDING

~~8. Tests Conducted:~~ ~~Hydrostatic~~ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure NA KKL 5/6/93 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.

(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 # 93-132 MCS 5-6-93

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

~~Type Code Symbol Stamp~~

NA&KE 5/6/93

Certificate of Authorization No. _____ Expiration Date _____

Signed Kenneth K. Lewis (Owner or Owner's Designee, Title) Date 5-6, 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 5/27/93 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. Eunoh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 5/27 19 93

WATTS BAR TVA NUCLEAR JAN 2 8 199

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 (Name) Date 5-6-93
900 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 37721 (Address) D-00278-101 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA-MODIFICATIONS (Name) Type Code Symbol Stamp NA SF 5-6-93
WATTS BAR NUCLEAR PLANT (Address) Authorization No.
Expiration Date
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, NA SF5-6-93 Code Case
(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) |
|---|---|---|---|---|---|---|---|
| 1063-A435-6-64 | NA SF5-6-93 | NONE | NONE | NA SF 5-6-93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | NA SF 5-6-93 | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATION - DELETE SUPPORT
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure _____ psi Test Temp. _____ °F NA SF5-6-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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 REPLACEMENT 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 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 TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/19 19 93

TVA NUCLEAR
JAN 28 1993



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) — Date MAY, 08, 1993

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 37771 (Address) — WP D-00278-104 (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 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 ct 5-7-93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 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) |
|---|---|---|---|---|---|---|---|
| 1063-A435-9-60 | N/A ct 5-8-93 | NONE | NONE | N/A ct 5-8-93 | UNKNOWN | REPLACEMENT | NO |
| 1063-A435-9-67 | | | | | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A ct 5-8-93 | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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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H-00278-104

PG. 7 CONT. ON PG. 8

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-135 5-8-93 MEB

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 Cf 5-8-93

~~Certificate of Authorization~~ No. Expiration Date

Signed 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 STEAM BOILER T. INS. & 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.

C. E. Mitcalfe Commissions TN-2633
Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 14 19 93

MAY 0 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 TENNESEE VALLEY AUTHORITY (Name) — Date May 6, 1993
400 W. Summit Hill Dr., Knoxville, TN (Address) — Sheet 1 of 2
2. Plant WATTS Bar Nuclear Plant (Name) — Unit 1
P.O. Box 2000 Spring City, TN 37771 (Address) — D-04602-06 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA-MODIFICATIONS (Name) — Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No.
Expiration Date
4. Identification of System Chemical And Volume Control / Sys 062 — Mug 5.6.93
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th, Seventh Addenda, NA Mug 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) |
|---|---|---|---|---|---|---|---|
| 1062-62-1CVC-R64 | NA Mug 5/6/93 | NONE | NONE | NA Mug 5/6/93 | UNKNOWN | Replacement | NO |
| | | | | | | | |
| | | | NA Mug 5/6/93 | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Support Modification - Replace angle member with tube steel
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ NA Mug 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-04602-06

Page 7 cont. on Page 8



**FORM NIS-2 (Back)**

9. Remarks TRACKING NUMBER 93-136 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. NA 5/6/93 Expiration Date

Signed Owner or Owner's Designee, Title, Mech Engr Date May 6, 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 12-21-92 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.

Inspector's Signature Commissions TN2537 National Board, State, Province, and Endorsements

Date 6-6 19 93.

TVA NUCLEAR

MAY 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 5-10-93
Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
P.O. Box 2000 Springcity, TN 37381 (Address) — W.O. 93-04762-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — ~~Type Code Symbol Stamp~~
P.O. Box 2000 Springcity, TN 37381 (Address) — Authorization No. NA KKL 5/10/93
Expiration Date
4. Identification of System Safety Injection System
5. (a) Applicable Construction Code ATSC 19 73 Edition, June, 1973 Addenda, NA KKL 5/10/93 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) |
|---|---|---|---|---|---|---|---|
| 1-63-197 | | NA KKL 5/10/93 | | DCA-509810-517 DCA-509810-518 | Unknown | Repaired | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work REPAIRED 1-63-197 By Welding

~~8. Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure NA KKL 5/10/93 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.



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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

NA KK 5/10/93

Certificate of Authorization No. _____ Expiration Date _____

Signed Kenneth K. Lang 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. of _____ 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. Eumyth 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 (Name) Date 5-9-93
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 37381 (Address) D-05698-01 (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 YKS 5-9-93
Expiration Date
4. Identification of System SAFETY INJECTION / SYS. 063 & 074
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH, SEVENTH Addenda, N/A YKS 5-9-93 Code Case
(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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R24 | N/A YKS 5-9-93 | NONE | NONE | N/A YKS 5-9-93 | UNKNOWN | Replacement | NO |
| 1074-74-1RHR-R048 | N/A YKS 5-9-93 | NONE | NONE | N/A YKS 5-9-93 | UNKNOWN | Replacement | NO |
| | | | | | | | |
| | | | | N/A | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATION.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐ N/A YKS 5-9-93
~~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.



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FORM NIS-2 (Back)

SHT. 2 OF 2

9. Remarks TRACKING NUMBER 93-138 YKD 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A YKD 5-9-93

Certificate of Authorization No. Expiration Date

Signed YKDalal MECH. ENGR. (Owner or Owner's Designee, Title) Date 5-9-93 YKD 5-9-93, 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 TENNESSEE and employed by HARTFORD STEAM BOILER I AND I, 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. Metcalfe (Inspector's Signature) Commissions TN-2633 "N" AND "I" (National Board, State, Province, and Endorsements)

Date AUGUST 10, 1993

WATTS BAR TVA NUCLEAR MAR 06 1993

NOV 1 0 1992

WP D-04591-12



# 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 (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 37381 (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 ASC 19 73 Edition, 7TH Addenda, NA SF 5-10-93 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A-263 | NA SF 5-10-93 | NONE | NONE | NA | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-264 | | NONE | NONE | SF 5-10-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-536 | | NONE | NONE | | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | NA SF 5-10-93 | |

7. Description of Work NA SF 5-10-93

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.

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WP D-04591-12

Page 7 cont. on Page 8

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FORM NIS-2 (Back)

9. Remarks TRKG NUM 93 - 139 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 NA SF 5-10-93

Certificate of Authorization No. _____ Expiration Date _____

Signed SForbes 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 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. Eamigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93

DEC 20 1992 NUCLEAR WATTS BAR

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) — Date 5-11-93
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) — WORKPLAN D-16465-01 (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 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) |
|---|---|---|---|---|---|---|---|
| PIPING SUPPORT | N/A B2P 5-11-93 | NONE | NONE | 1061-A462-12-1 | UNKNOWN | REPLACEMENT | NO |
| ↓ | ↓ | ↓ | ↓ | 1061-A462-12-5 | ↓ | ↓ | ↓ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFY SUPPORTS 1061-A462-12-1 & 12-5 PER DCAs M16465-09-0 & M16465-~~13~~ 10-0. B2P 5-11-93
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A B2P 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-16465-01

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-140 B2P 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 B2P 5-11-93

Certificate of Authorization No. N/A B2P 5-11-93 Expiration Date N/A B2P 5-11-93

Signed Bradford L. 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 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. Earnsh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/19 19 93

Page 7 cont. on Page 8

TVA NUCLEAR

DEC 1 2 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) — Date 5-11-93

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) — WORKPLAN D16465-02 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by T.V.A. MECH. MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A B2P 5-11-93~~

WATTS BAR NUCLEAR PLANT (Address) — 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 1973 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 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 B2P 5-11-93 | NONE | NONE | 1061-A462-13-1 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A B2P 5-11-93 | | | | |
| | | | | | | | |
| | | | | | | | |

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 B2P 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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Page 5A cont. on Page 5B

TVA NUCLEAR

MAY 07 1993

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-141 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 L. Perdue (Owner or Owner's Designee, Title) Date MAY 11, 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 II 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.

J.B. Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 5/13 19 93

D-16465-02

# 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, KNOV., TN. (Address)

Date 5-12-93

Sheet 1 of 1

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

Unit 1

WORKPLAN D-05595-03
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 /
Authorization No. NAGG5-12-93
Expiration Date

4. Identification of System

5. (a) Applicable Construction Code AISC, 7th 1973 Edition, NAGG5-12-93 Addenda, NAGG5-12-93 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 | 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-B NAGG5-12-93

8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure NAGG5-12-93 psi Test Temp. °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 1[illegible] (2) information in items 1 through 6 on this report 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

TVA NUCLEAR
APR 15 1993

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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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA GG 5-12-93

Certificate of Authorization No. NA GG 5-12-93 Expiration Date NA GG 5-12-93

Signed [signature] Owner or Owner's Designee, Title Date May 12, 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 5/16/93 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.

Bruce W. Ramsey Commissions TN 2534

Inspector's Signature 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 (Name) — Date 5-11-93
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-04592-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A
P.O. BOX 2000 SPRING CITY, TN. 37771 (Address) — Authorization No. RLS 5-11-93
Expiration Date
4. Identification of System 062 / CVCS
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda, N/A RLS 5/12/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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-GLA-292 | N/A | NONE | NONE | DCA-P04592-01, -03, AND 04 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-GLA-RLS 5/12/93 ~~293~~ 306 | | | | DCA-P04592-01, -07, AND -08 | | | |
| 1062-1-GLA-RLS 5/12/93 ~~306~~ 293 | | | | DCA-P04592-01, -05, AND -06 | | | |
| 1062-1-GLA-312 | | | | DCA-P04592-01, -09 AND -10 | | | |
| 1062-1-GLA-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 RLS 5/12/93 Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WORKPLAN D-0459201

4A 5

FORM NIS-2 (Back)

9. Remarks ~~None~~ RLS 5/12/93

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-143 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. N/A RLS 5/12/93 Expiration Date _____

Signed R. L. Sum Date 5-12, 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 III CO 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. Earnest Commissions TN 2554
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

# 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 (Name) — Date 5/13/93
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) — WORKPLAN # K-P04684A-1 & D-04684-01 (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. N/A wmo
Expiration Date 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 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) |
|---|---|---|---|---|---|---|---|
| 1003A-1-03A-482 | N/A wmo 5/13/93 | NONE | NONE | DCA-P04684-12 DCA-P04684-13 DCA-P04684-14 | UNKNOWN | REPLACEMENT | NO |
| | N/A wmo 5/13/93 | | | DCA-P04684-15 DCA-P04684-16 | | N/A wmo 5/13/93 | |
| 1003A-1-03A-495 | N/A wmo 5/13/93 | NONE | NONE | DCA-P04684-22 DCA-P04684-23 DCA-P04684-24 | UNKNOWN | REPLACEMENT | NO |
| | | | N/A wmo 5/13/93 | | | | |

7. Description of Work 1003A-1-03A-482, REMOVE EXISTING SUPPORT AND INSTALL NEW SUPPORT. 1003A-1-03A-495, REMOVE EXISTING RESTRAINT MEMBERS AND INSTALL NEW RESTRAINT MEMBERS.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure N/A wmo 5/13/93 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.

(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-04684-01

Page 1F cont. on Page 1G

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-144 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

Signed MIKE DODD M. L. Dodd CONSTRUCTION ENGR Date 5/13, 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 IEI 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.

G Ermel Commissions TN-234
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/21 19 93

WATTS BAR
TVA NUCLEAR
MAY 13 1993

TRK # 93

D-05709-12

WATTS BAR

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) — WORKTRAN 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 /A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM / SYSTEM 074
5. (a) Applicable Construction Code AISC, 7th 19 73 Edition, NA GG5-13-93 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/A GG5-13-93
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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-146 bly 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 I & 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 Commissions TN2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/24 19 93

APR 13 1993

D 16448 13 31

DCC 4/2/93

# 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 (Name) — Date 5-17-93

400 W. SUMMIT HILL DR., KNOXVILLE TN (Address) — Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1

P.O. BOX 200 SPRING CITY, TN. 37771 (Address) — WP# D-16448-13 (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. NA DSC — 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) |
|---|---|---|---|---|---|---|---|
| 1067-A-450-22-46 | | NA DSC 5-17-93 | | DCA-16448A DSC ~~DCA-4484~~ 5-17-93 | UNKNOWN | REPLACEMENT | NO |
| 1067-A-450-22-48 | | NA DSC-5-17-93 | | DCA-16448A | UNKNOWN | REPLACEMENT | NO |
| ~~1067-A450-22-82~~ | | ~~NA DSC 5-17-93~~ | | ~~DCA-16448A~~ | ~~UNKNOWN~~ | ~~REPLACEMENT~~ | ~~NO~~ |
| | | NA DSC 5-17-93 | | | | | |
| | | | | | | | |

NA CLASS C DSC 5/18/93

7. Description of Work DELETE SUPPORTS 1067-A-450-22-46, 1067-A450-22-48, & ~~1067-A450-22-82~~ 5-18-93 SF

8. Tests Conducted: Hydrostatic NA DSC 5-17-93 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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D 16448 13

IAPR 13 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93- 147 5/17/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

Certificate of Authorization No. NA 5-17-93 Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 5-17, 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 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 (Inspector's Signature) Commissions TN 2534 (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

Sheet 1 of 1

2. Plant WATTS BAR NUCLEAR PLANT (Name)
P.O. BOX 2000, SPRING CITY, TN 37771 (Address)

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 SF5-18-93

4. Identification of System ESSENTIAL RAW COOLING WATER (ERCW) SYS 067

5. (a) Applicable Construction Code ASC 1973 7TH Edition, NA SF 5-18-93 Addenda, NA SF5-18-93 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 SF5-18-93 | NONE | NONE | NA SF5-18-93 | UNKNOWN | REPLACEMENT | NO |
| 1067-A450-22-40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1067-A450-22-47 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| | | | | | | | |
| | | | | NA SF 5-18-93 | | | |

7. Description of Work SUPPORT DELETION (3)

8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi ~~Test Temp.~~ _____ °F NA SF 5-18-93

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.

(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 TRKG NUM 93-148 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 SF5-18-93

~~Certificate of Authorization~~ No. _____ Expiration Date _____

Signed SForbes 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 I&I 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

Page 6 of Pages 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) — Date 5-18-93

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) — W.P. D-04641-02 (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

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 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Page 6A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks Tracking No. 93-149 W+R 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 W+R 5-18-93

Certificate of Authorization No. N/A W+R 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&I 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 1 9 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. wmo 5/19/93 Expiration Date
4. Identification of System SYSTEM #003, AFW
5. (a) Applicable Construction Code AISC 7TH 19 73 Edition, N/A wmo 5/19/93 Addenda, N/A wmo 5/19/93 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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT # 1003-401-1-NP-9-70 | N wmo 5/19/93 | NONE | NONE | DCA-M16447-11 DCA-M16447-15 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT # 1003-401-1-NP-10-70 | A | NONE | NONE | DCA-M16447-12 DCA-M16447-16 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N A | wmo 5/19/93 | | | |
| | | | | | | | |

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
N A wmo 5/19/93

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.

(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 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

MIKE DODD

Signed Mike 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 2000, 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 cf 5-19-93
Expiration Date
4. Identification of System CONTAINMENT SPRAY (072)
5. (a) Applicable Construction Code AISC 1973 Edition, SEVENTH Addenda, N/A cf 5-19-93 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) |
|---|---|---|---|---|---|---|---|
| 1072-W437-5-CB1-22,-23, | N/A cf 5.19.93 | NONE | NONE | N/A cf 5.19.93 | UN-KNOWN | REPLACEMENT | No |
| -24,-25,-26,- | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 27,-28. | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| (SEVEN Hgrs) | | | | | | | |
| N/A cf 5.19.93 | | | | N/A cf 5-19-93 | | | |

7. Description of Work SUPPORT INSPECTIONS BOLTING MAT'L.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Pressure psi Test Temp. °F N/A cf 5.19.93

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.

(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

MAIL STAR TVA NUCLEAR FEB 16 1993

WP D-13221-01

Page 7 cont. on Page 8

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-151 5/19/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

~~Certificate of Authorization~~ No. Expiration Date

Signed MECH. ENGR. (Owner or Owner's Designee, Title) Date 5.19.93, 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&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. Earnyh (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 5/21 19 93

93-05788-00
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 (Name) — Date 5-20-93
   Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
   P.O. Box 2000 Spring City, Tn. (Address) — W.O. 93-05788-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp 5-20-93
   PO. Box 2000 Spring City, Tn. (Address) — Authorization No. RB — Expiration Date N/A
4. Identification of System 74 / RHR
5. (a) Applicable Construction Code ASME III 19 71 Edition, S 1973 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-FCV-074-0028 | | N/A | N/A | N/A | N/A | REPLACED | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

RB 5-20-93

BG 4/12/96

7. Description of Work Replaced qty of 2 nuts for flange conn. at 1-FCV-074-0028 - Inlet side
8. Tests Conducted: Hydrostatic ☐ ~~Pneumatic~~ ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F RB 5-20-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

93-05738-00

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## FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-152 [illegible] 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 R 5-20-93

Certificate of Authorization No. N/A R 5-20-93 Expiration Date N/A R 5-20-93

Signed Ron Breitkem 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 4-2-93 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.

[illegible] Commissions TN 2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-27 19 93.

(12/82)

93-05738-01
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 (Name) — Date 5-20-93
   Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
   P.O Box 2000 Spring City, Tn. (Address) — W.O. 93-05738-01 (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.
   Expiration Date N/A RBS 5-20-93
4. Identification of System 74/RHR
5. (a) Applicable Construction Code ASME III 1971 Edition, S 1973 Addenda, NA 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 | | N/A | N/A | N/A | N/A | REPLACED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4/12/96

7. Description of Work Replaced qty of 3 nuts for flange conn. at 1-FCV-074-0028 - Outlet side
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F N/A RBS 5-20-93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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 [illegible] 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 RB 5-20-93

Certificate of Authorization No. N/A RB 5-20-93 Expiration Date N/A RB 5-20-93

Signed Ron Breedlove 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.

[illegible] Commissions TN2537
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-27 19 93.

(12/82)

WORK INSTRUCTION D-04591-06

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) — Date 5-20-93
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) — D-04591-06 (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. ~~NA~~ SF 5-20-93
Expiration Date
4. Identification of System CHEMICAL AND VOLUME CONTROL SYS062
5. (a) Applicable Construction Code AISC 1973, 7th Edition, NA SF5-20-93 Addenda, NA SF5-20-93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 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 SF5-20-93 | NONE | NONE | NA SF5-20-93 | UNKNOWN | REPLACEMENT | NO |
| 1062-1-62A-270 | NA SF5-20-93 | NONE | NONE | NA SF5-20-93 | ↓ | ↓ | NO |
| 1062-A406-7-137 | NA SF5-20-93 | NONE | NONE | NA SF5-20-93 | ↓ | ↓ | NO |
| | | | | | | | |
| | NA SF5-20-93 | | | | | | |

7. Description of Work MODIFY SUPPORTS - REBUILD/INCREASE WELDS
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ Pressure _____ psi Test Temp. _____ °F NA SF5-20-93

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.

(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-04591-06
Page 6A cont. on Page 7

FORM NIS-2 (Back)

9. Remarks TRKG NUM 93-154 SF 5-20-93
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 SF 5-20-93

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 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 5/21/93
Nuclear Power (Address) — Sheet 1 of 1
2. Plant Watts Bar Nuclear Plant (Name) — Unit 1
PO Box 2000, Spring City, TN (Address) — WO 92-22911-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Watts Bar Nuclear Plant (Name) — Type Code Symbol Stamp NA 12/22/92
PO Box 2000 Spring City, TN 37381 (Address) — Authorization No. — Expiration Date
4. Identification of System SAFETY INJECTION (63)
5. (a) Applicable Construction Code ASME III 19 71 Edition, Summer '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) |
|---|---|---|---|---|---|---|---|
| 1-FCV-63-8-A | Westinghouse | 5710003 | W10931 | None | '76 | Replaced | Yes |
| | | | | | | | |
| | | | N/R | | | | |
| | | | EW 5/21/93 | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-155 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 DW 5/21/93

Certificate of Authorization No. N/A DW 5/21/93 Expiration Date N/A 5/21/93

Signed D Walters 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 TN and employed by HSB I. & I. Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-92 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.

Inspector's Signature Commissions TN 2537.
National Board, State, Province, and Endorsements

Date 5-28 19 93.

WATTS BAR TVA NUCLEAR MAY 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) — Date 5/15/93
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. 37381 (Address) — WP# D-04588-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp
P.O. Box 2000 SPRING CITY TN. 37381 (Address) — 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 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) |
|---|---|---|---|---|---|---|---|
| 1062-1-62A 149 | N/A | NONE | NONE | DCA-P04588-02,-28,-29,-30 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | N A RLS 5/15/93 | | | |
| | | | | | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP No. D-04588-02

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TVA NUCLEAR
MAY 15 1993

FORM NIS-2 (Back)

9. Remarks TRACKING #93-156 5/21/93

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 ~~A RLS 5/15/93~~

Certificate of Authorization No. ~~H~~ Expiration Date

Signed RL Sears 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 I&I 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.

B. Earnest Commissions TN2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/14 19 93

WORKPLAN D-04734-01

Page 4A CONTD. ON PAGE 4B

WATTS BAR

TVA NUCLEAR

JUN 0 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 (Name) — Date 6/8/93
   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 37381 (Address) — WP # D-04734-01 (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 BB 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 | REPLACEMENT | NO |
| 1C62-A406-1-6 | | | | | | | |
| CLASS G; NOT REQUIRED ~~1C62-62-1CVC-R16~~ | | | | | | | |
| 1C62-A660-62-11 | | | | | | | |
| 1C62-62-1CVC-R15 | NA BB 6/8/93 | NONE BB 6/8/93 | NONE BB 6/8/93 | NA BB 6/8/93 | UNKNOWN BB 6/8/93 | REPLACEMENT BB 6/8/93 | NO BB 6/8/93 |

7. Description of Work ~~MODIFY~~ MODIFIED PIPE SUPPORTS 8/10/93
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NA BB 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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-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 BB 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 BB 6/8/93 Expiration Date

Signed Owner or Owner's Designee, Title Date 6/8, 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 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 8-10 19 93.

WATTS BAR TVA NUCLEAR MAY 24 1993

ID-04593-0

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# 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 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) — W.P.# D-04593-03 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by T.V.A. (Name) — Type Code Symbol Stamp

P.O. BOX 2000 SPRING CITY, TN. 37771 (Address) — Authorization No. N/A RLS 5/24/93

Expiration Date

4. Identification of System 62 / CVCS

5. (a) Applicable Construction Code ASC 1973 Edition, JUNE 1973 Addenda, N/A RLS 5/24/93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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

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REPRINT 12/91

WATTS BAR TVA NUCLEAR MAY 24 1993

D-04593-03

6A 7

FORM NIS-2 (Back)

9. Remarks TRACKING NUMBER 93-158 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 RLS 5/24/93 Expiration Date

Signed R.L. Sears Date MAY 24TH, 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 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 Commissions TN 2537
National Board, State, Province, and Endorsements

Date 6-26 19 93.

Page 5A 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 5/25/93

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) — WP #D-04591-03 (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. N/A

Expiration Date N/A 5/25/93

4. Identification of System SYSTEM #062, CVCS

5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A 5/25/93 Addenda, N/A 5/25/93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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-533 | N/A 5/25/93 | NONE | NONE | DCA-P04591-74, 75, 76, 77 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT 1062-1-62A-254 | | NONE | NONE | DCA-P04591-20, 21, 22 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT 1062-1-62A-255 | | NONE | NONE | DCA-P04591-23, DCA-P04591-24 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A 5/25/93 | | | | |

7. Description of Work 1062-1-62A-533 - REMOVED EXIST. SNUBBER. INSTALLED NEW SNUBBER, BASEPLATE, INCHES, & KICKER
1062-1-62A-254 - REMOVED EXIST SNUBBER. INSTALLED NEW SNUBBER.
1062-1-62A-255 - CHANGE SUPPORT FR. A VERTICAL AND LATERAL SUPPORT TO A LATERAL ONLY.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

N/A 5/25/93 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.

(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-04591-03

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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 5/25/93 wms ~~5/25~~ wm 5/25/93

Signed MIKE DODD M L 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 III 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 Ramsey Commissions N/A State TN 2004
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/17 19 93

WATTS BAR
TVA
MAY 2 7 1993

# WORK INSTRUCTION D-04684-01

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**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 5/26/93
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. # K-P04684A-1 & D-04684-01 (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. N/A WMO 5/26/93
Expiration Date
4. Identification of System SYSTEM #003, AFW
5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A WMO 5/26/93 Addenda, N/A WMO 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) |
|---|---|---|---|---|---|---|---|
| PIPE SUPPORT # 1003-A401-7-35 | N/A WMO 5/26/93 | NONE | NONE | DCA-P04684-01 DCA-P04684-02 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A WMO 5/26/93 | | | | |
| | | | | | | | |
| | | | | | | | |

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/A WMO 5/26/93

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.

(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-04684-01

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FORM NIS-2 (Back)

9. Remarks TRACKING # 93-160 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 5/26/93

Certificate of Authorization No. N/A 5/26/93 Expiration Date N/A 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. Sarrah
Inspector's Signature

Commissions TN 2534
National Board, State, Province, and Endorsements

Date 7/21 19 93

WATTS BAR
TVA NUCLEAR
MAY 26 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 5-24-93
   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 ~~N/A~~ BS 5/24/93
   P.O. BOX 2000, SPRING CITY, TN (Address) — Authorization No. ~~N/A~~ BS 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 19 80 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 | BS 5/24/93 | | NOT KNOWN | REPLACEMENT | NO |
| 1068-1-68-003 | | | NA BS 5/24/93 | | NOT KNOWN | REPLACEMENT | NO |
| 1068-1-68-004 | | NA BS 5/24/93 | | | NOT KNOWN | REPLACEMENT | NO |
| 1068-1-68-006 | | | NA BS 5/24/93 | | NOT KNOWN | REPLACE-MENT | NO |
| | | | | NA BS 5/24/93 | | | |

7. Description of Work MODIFY SUPPORTS - REMOVED
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal ~~Operating Pressure~~ ☐ NA BS 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WP D 17667 04

REPRINT 12/91

~~NA~~ 4-5-2193

PG 7 CONT'D ON PG 8
WP D-17667-04

**FORM NIS-2 (Back)**

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-161 BS. 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. N/A BS. 5/24/93 Expiration Date _____

Signed _____ Date 5/24, 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 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.

WP # D-06034-10



# 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 5-27-93
NUCLEAR POWER (Address) Sheet 1 of ~~4~~ 1 GGT 5-27-93

2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
P.O. BOX 2000 SPRING CITY TN 37381 (Address) D-06034-10 (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 37381 (Address) Authorization No.
Expiration Date

4. Identification of System 68

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 | GGT 5-27-93 NA | GGT 5-27-93 NA | GGT 5-27-93 NA | K-06034-99 K-06034-78 K-06034-03 | UNKNOWN | REPAIR | NO |
| 1068-1-68-093 | GGT 5-27-93 NA | GGT 5-27-93 NA | GGT 5-27-93 NA | K-06034-103 K-06034-104 K-06034-03 | UNKNOWN | REPAIR | NO |
| 1068-1-68-094 | GGT 5-27-93 NA | GGT 5-27-93 NA | GGT 5-27-93 NA | K06034-105 K06034-106 | UNKNOWN | REPAIR | NO |
| 1068-1-68-096 | GGT 5-27-93 NA | GGT 5-27-93 NA | GGT 5-27-93 NA | K06034-82 K06034-83 K06034-03 | UNKNOWN | REPAIR | NO |
| | | NA | GGT 5-27-93 | | | | |

7. Description of Work ADDED WELD TO SUPPORT # 093, TOUCH UP REMAINDER

8. Tests Conducted: ~~Hydrostatic~~ ☐ ~~Pneumatic~~ ☐ Nominal Operating Pressure ☐ NA GGT 5-27-93
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.



This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP# D-06034-10

Page 5A cont. on Page ~~5B~~ 6 WT 5-27-93

TVA MAY 27 1993

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-162 [illegible] 5/27/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA [illegible] 5-27-93

Certificate of Authorization No. _____ Expiration Date _____

Signed [illegible] (Owner or Owner's Designee, Title) Date MAY 27, 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 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. Earnigh (Inspector's Signature) Commissions TN 2534 (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 (Name) — Date 5-27-93

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) — 92-15969-00 ~~15696~~ ~~KKL~~ 5/27/93 (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. NA ~~KKL~~ 5/27/93

Expiration Date

4. Identification of System

5. (a) Applicable Construction Code AISC 19 73 Edition, JUNE 1973 Addenda, NA ~~KKL~~ 5/27/93 ~~5/27/93~~ ~~RKL~~ 5/27/93 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) |
|---|---|---|---|---|---|---|---|
| H-555-7-5-2293 | | | | DCA-504061-399-0 | UNKNOWN | Repaired | N |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NA ~~KKL~~ 5/27/93

7. Description of Work Added SHIM to obtain CLEARANCE FOR HANGER H-555-7-5-2293

~~8. Tests Conducted:~~ Hydrostatic NA ~~KKL~~ 5/27/93 ~~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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-163 5/27/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

~~Type Code Symbol Stamp~~ NA 5/27/93

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 5-27, 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 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.

_____ (Inspector's Signature) Commissions TN 2554 (National Board, State, Province, and Endorsements)

Date 6/26, 19 93

WATTS BAR
TVA NUCLEAR
MAY 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 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 N/A CDN 5/28/93
   P.O. BOX 2000, SPRING CITY, TN (Address) — Authorization No. — Expiration Date
4. Identification of System 03 MAIN AND AUXILIARY FEEDWATER
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 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) |
|---|---|---|---|---|---|---|---|
| 1003A-1-03A-203 | | N/A | CDN 5-28-93 | | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | N | A CDN 5/28/93 | | | |
| | | | | | | | |

7. Description of Work REWORKED ITEMS 4 AND 5 AND INSTALLED ITEMS 6 THRU 9.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A CDN 5-28-93
   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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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WP- D-18401-02



**FORM NIS-2 (Back)**

9. Remarks NONE CON 5/28/93

Applicable Manufacturer's Data Reports to be attached

TRACKING NUMBER 93-164 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. N/A CON 5/28/93 Expiration Date

Signed Charles Newton 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. Earnest 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**

1. Owner TENNESSEE VALLEY AUTHORITY (Name) — Date 6-1-93
   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 # D16157-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp NA
   P.O. BOX 2000 SPRING CITY, TN (Address) — Authorization No. ~~NA~~ — Expiration Date ~~NA~~ 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) |
|---|---|---|---|---|---|---|---|
| 1-ISLS-997-0568 | ← | NA ~~NA~~ 6-1-93 | → | NA ~~NA~~ 6-1-93 | UNKNOWN | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | NA ~~NA~~ 6-1-93 | | | | | |
| | | | | | | | |

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 ~~NA~~ 6-1-93

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.

(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 BBC 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 6-1-93 Expiration Date _____

Signed _____ Owner or Owner's Designee, Title FE Date 6-22, 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 _____ 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.

_____ Commissions TN2537
Inspector's Signature National Board, State, Province, and Endorsements

6/23/93

Date 6-18- 19 93.

WORK INSTRUCTION D-16157-01

Page 1F cont. on Page 2

**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 5/27/93
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-12664-01 (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. WMO 5/27/93
Expiration Date
4. Identification of System SYS# 003A, FW
5. (a) Applicable Construction Code AISC, 7TH 1973 Edition, N/A WMO 5/27/93 Addenda, N/A WMO 5/27/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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 | N/A | NONE | NONE | DCA-M12664-01 DCA-M12664-02 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT 1003A-1-03A-424 | WMO 5/27/93 | NONE | NONE | DCA-M12664-03 DCA-M12664-04 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A | WMO 5/27/93 | | | |
| | | | | | | | |

7. Description of Work 1003A-1-03A-408 - RESET SPRING CAN.
1003A-1-03A-424 - INSTALLED ADDITIONAL ~~BEAM~~ WMO 5/27/93 STRUCTURAL STEEL TO EXISTING SUPPORT MEMBERS.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐
N/A Other ☐ ~~Pressure~~ _____ psi Test Temp. _____ °F
WMO 5/27/93

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.

# 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

Signed MIKE DODD M L 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 TN and employed by HSB I. & I. Co of Hartford, CT. have inspected the components described in this Owner's Report during the period 4-8-93 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.

[illegible] Commissions TN2537
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 (Name) Date 6/2/93
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-04584-02 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by MECH. MODS, TVA (Name) Type Code Symbol Stamp N/A
WATTS BAR NUCLEAR PLANT (Address) Authorization No. N/A
Expiration Date N/A 6/2/93
4. Identification of System SYSTEM #062, CVCS
5. (a) Applicable Construction Code AISC 7TH 1973 Edition, N/A 6/2/93 Addenda, N/A 6/2/93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 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-21 | N/A 6/2/93 | NONE | NONE | DCA-D04584-11 DCA-D04584-12 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT 1062-AA06-8-56 | N/A 6/2/93 | NONE | NONE | DCA-D04584-16 DCA-D04584-17 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A 6/2/93 | | | | |
| | | | | | | | |

7. Description of Work 1062-1-62A-21 - REMOVED EXISTING SNUBBER AND CLAMP AND INSTALLED NEW SNUBBER AND CLAMP. 1062-AA06-8-56 - REMOVED EXISTING SUPPORT AND INSTALLED NEW SUPPORT.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ ~~Other~~ ☐ ~~Pressure~~ _____ psi Test Temp. _____ °F
N/A 6/2/93

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.

(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

# WORK INSTRUCTION D-04524-02

Page 4A cont. on Page 5

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-167 [illegible] 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A [illegible] 6/2/93

Certificate of Authorization No. N/A [illegible] 6/2/93 Expiration Date N/A [illegible] 6/2/93

Signed MIKE DOOR 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 HSB 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 2334

Inspector's Signature National Board, State, Province, and Endorsements

Date 6/17 19 93

WATTS BAR
JUN 0 [illegible] 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 6-3-93
   400 W. SUMMIT HILL DR KNOXVILLE, TN (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
   P.O. BOX 2000, SPRING CITY TN 37771 (Address) — D-16442-33 ~~D-14941-35~~ 4/12/96 (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 BW 6-3-93
4. Identification of System ESSENTIAL RAW COOLING WATER
5. (a) Applicable Construction Code AISC 19 73 Edition, 7th SEVENTH Addenda, N/A BW 6-3-93 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) |
|---|---|---|---|---|---|---|---|
| 1067-450-22-192 | N/A BW 6-3-93 | NONE | NONE | N/A BW 6-3-93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work SUPPORT MODIFICATION
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating ~~Pressure~~ ☐ NA BW 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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 16449 33

Page 7 of 12 B

FORM NIS-2 (Back)

9. Remarks Tracking NUMBER 93-168 [illegible] 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 [illegible] 6-3-93

Certificate of Authorization No. A Expiration Date

Signed [illegible] 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 [illegible] 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. Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93

TVA NUCLEAR
MAY 05 1993

WP D-06034-01

6 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 (Name) — Date 6-3-93

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, TN37771 (Address) — WP# D-06034-01 (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 37381 (Address) — Authorization No. NA 667 — Expiration Date 6-3-93

4. Identification of System 68 Reactor Coolant

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 19 BC 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) |
|---|---|---|---|---|---|---|---|
| 1-068-1-68-115 | NA | NA | NA | DCN-K-06034-B | UNKNOWN | REPLACEMENT | NO |
| 1068-1-68-416 | | | | | | | |
| 1068-1-68-422 | | NA 667 6-3-93 | | | | | |
| 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

WATTS BAR TVA RECEIVED MAY 06 1993

D-06034-01

FORM NIS-2 (Back)

9. Remarks NONE TRACKING # 93-169 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/A

Certificate of Authorization No. _____ Expiration Date _____

Signed [illegible] 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. Emmons Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/18 19 93

WATTS BAR
TVA NUCLEAR
MAY 06 1993

WP D-06263-01



# 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 6-4-93

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 37771 (Address) — WP D-06263-01 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp ~~N/A~~

WATTS BAR NUCLEAR PLANT (Address) — Authorization No. ~~N/A~~ — Expiration Date ~~N/A~~ cf 6-4-93

4. Identification of System REACTOR COOLANT (SYS 068)

5. (a) Applicable Construction Code ASME 1973 Edition, 7th Addenda, N/A cf 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 cf 6-4-93 | NONE | NONE | N/A cf 6-4-93 | UN-KNOWN | REPLACEMENT | NO |
| 1068-1-68-046 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1068-1-68-047 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| | | N/A cf 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 cf 6-4-93

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.

(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

MAY 06 1993

WP n-06263-01

FORM NIS-2 (Back)

9. Remarks TRACKING # 93-170 [illegible] 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A [illegible] 6-4-93

~~Certificate of Authorization No.~~ _____ Expiration Date _____

Signed [illegible] MECH. ENGR. (Owner or Owner's Designee, Title) Date JUNE, ~~06~~ 04, 1993 [illegible] 6-4-93

## 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.

[illegible] (Inspector's Signature) Commissions TN 2537 (National Board, State, Province, and Endorsements)

Date 9-28 1993.

JAN 16 1993

WATTS BAR TVA NUCLEAR JUN 0 4 1993

WORK INSTRUCTION D-16449-28

Page 6 & 5A cont. on Page 5B
SF6-4-93

# 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 (Name) — Date 6-4-93
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 37771 (Address) — D-16449-28 (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. ~~—~~ NA — Expiration Date ~~—~~ SF6-4-93

4. Identification of System ESSENTIAL RAW COOLING SYS 067

5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, NA SF6-4-93 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 THROUGH 81 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) |
|---|---|---|---|---|---|---|---|
| 1067-450--22-1CJ-1 | NA SF6-4-93 | NONE | NONE | NA SF6-4-93 | UNKNOWN | REPLACEMENT | NO |
| 1067-450--22-1CJ-2 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1067-450--22-1DD-8 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1067-450--22-1Z-9 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| NA SF6-4-93 | | | | | | | |

7. Description of Work SUPPORT MODIFICATION

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F NA SF 6-4-93

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.

(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 TRK NUM 93-171 SF 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 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 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.

B. Eamigh Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

NOV 1 0 1992

D 0 3 3 5 1 01

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 6-5-93
   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-03351-01 (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 37221 (Address) — Authorization No. N/A BS 6/5/93 — Expiration Date
4. Identification of System 63 / SIS
5. (a) Applicable Construction Code AISC 19 73 Edition, ~~JUNE, 73~~ 7TH BS 6/7/93 Addenda, ~~1981~~ N/A BS 6/7/93 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ~~80~~ THRU 1981 WITH 1981 WINTER ADDENDA BS 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 BS 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 BS 6/5/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WP# D-03351-01

Page 5B cont. on Page 6

## FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-172 BB 6/5/93

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A BB 6/5/93

Certificate of Authorization No. _____ Expiration Date _____

Signed [signature] (Owner or Owner's Designee, Title) Date 6/5/, 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 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. Esmoff (Inspector's Signature) Commissions TN 2534 (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/A
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date N/A 6/7/93
4. Identification of System SYSTEM #062, CVCS
5. (a) Applicable Construction Code AISC, 7TH 1973 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 1980 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 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-A406-7-3 | | NONE | NONE | DCA-P04591-105 DCA-P04591-106 DCA-P04591-107 | UNKNOWN | REPLACEMENT | NO |

7. Description of Work MODIFIED SUPPORTS BY REMOVING EXISTING SNUBBERS AND REAR BRACKETS AND INSTALLED NEW SNUBBERS AND REAR BRACKETS WITH LARGER LOAD CAPACITY. AS 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 6/7/93

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.

(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-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, 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 6-26-93, 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 TN2537
National Board, State, Province, and Endorsements

Date 6-26 1993

WATTS BAR
TVA NUCLEAR
JUN 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 (Name) — Date 5-20-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) — Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000, SPRING CITY, TN (Address) — 93-09574-00 (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 KCR
Expiration Date 5-20-93
4. Identification of System 063 / S15
5. (a) Applicable Construction Code AISC 1973 Edition, JUNE 1973 Addenda NA RCR 5-20-93 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) |
|---|---|---|---|---|---|---|---|
| 1-63-011 | | NA KKR 6/7/93 | | DCA 509810-07-0 SN 6723 | UNKNOWN | REPLACED | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NA KKR 6/7/93

7. Description of Work Replaced Snubber

8. ~~Tests Conducted:~~ Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi ~~Test Temp.~~ _____ °F
NA KKR 6/7/93

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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

TKLL 6/7/93
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~~

NA TKL 6/7/93

Certificate of Authorization No. _____ Expiration Date _____

Signed [signature] 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 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. Mitcalfe Commissions TN-2633 A, N, I B
Inspector's Signature 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) — Date 11/10/92
400 Summit Hill Dr, Knoxville, TN. (Address) — Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. Box 2000 Spring City, TN. (Address) — WO# 92-12581-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp / BC
P.O. Box 2000, Spring City, Tenn. (Address) — 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, N/A BC 11/10/92 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) |
|---|---|---|---|---|---|---|---|
| 1-63 ~~1063~~ A435-8-54 (4/29/93) | | NA ~~KKC~~ 6/7/93 | | 47A435-8-54 | UNKNOWN | REPLACED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N A BC 11/10/92

7. Description of Work ~~Replace Clamp~~ SHH 11-18-92 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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.092-12581-00
Page 23 of 40

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

Tracking NO. 93-175 Gmes 6-7-93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

~~Type Code Symbol Stamp~~

NA-KR 6/7/93

Certificate of Authorization No. _____ Expiration Date _____

Signed Kenneth K. Lewis (Owner or Owner's Designee, Title) Date 6-7, 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 6/30/93 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. Earnest (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 6/30 1993

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) — WP# D-16449-17 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A DWR 6-7-93
WATTS BAR NUCLEAR PLANT (Address) — Authorization No.
Expiration Date
4. Identification of System 067
5. (a) Applicable Construction Code AISC 7TH 19 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 | N/A DWR 6-7-93 | | | DCA-M-16449 59, 60, 61 & 5 | UNKNOWN | REPLACEMENT | NO |
| 1067-A450-22-63 | N/A DWR 6-7-93 | | | DCA-M-16449 05 & 63. | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | N/A | DWR 6-7-93 | | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORTS PER DCA'S M16449-05, 59, 60, 61 & 63
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure N/A DWR psi Test Temp. 6/7/93 °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.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 8 cont. on Page 8a

WORK INSTRUCTION D-16449-17

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-176 6/7/93

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A 6-7-93

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 6-7-93, 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 & 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. Eamon (Inspector's Signature) Commissions TN 2534 (National Board, State, Province, and Endorsements)

Date 6/16 19 93

WATTS BAR

MAR 1 2 19 DEC 1 2

# 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 ATHORITY (Name) Date 6-7-93
400 W. SUMMIT HILL DR, KNOXVILLE, TN (Address) Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
P.O. BOX 2000, SPRING CITY, TN 37771 (Address) WP# D-06181-02 (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 BS 6/7/93
Expiration Date
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) |
|---|---|---|---|---|---|---|---|
| 1070-1-70-170 | N/A BS. 6/8/93 | NONE BS. 6/8/93 | N/A BS. 6/8/93 | N/A BS. 6/8/93 | UN-KNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | N/A BS. 6/8/93 | | | |
| | | | | | | | |

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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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WORK ~~INSTRUCTION~~ PLAN # D-06181-02
BS. 6/8/93

DEC 1 2 1992

FORM NIS-2 (Back)

9. Remarks NONE BS. 6/8/93

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-177 BS 6/8/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A BS 6/8/93

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ (Owner or Owner's Designee, Title) Date 6/8/, 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 _____ 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.

_____ (Inspector's Signature) Commissions TN 2537 (National Board, State, Province, and Endorsements)

Date 6-26 1993.

BS 6/8/93
WORK ~~INSTRUCTION~~ PLAN # D-06181-02

WATTS BAR NUCLEAR PLANT TVA JUN 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) — 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-16448-30 (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 N/A JEO 6/7/93
4. Identification of System ESSENTIAL RAW COOLING WATER / SYSTEM # 067
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A JEO 6/7/93 Addenda, N/A JEO 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 | N/A JEO 6/7/93 | NONE | NONE | 1067-A450-22-173A | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

N/A JEO 6/7/93

7. Description of Work *INSTALL SPACER PLATES
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Pressure A psi Test Temp. ____ °F JEO 6/7/93

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.

(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

ORK INSTRUCTION D 16448-30

WATTS BAR TVA NUCLEAR JUN 0 8 1993

FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-178 BB 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 JEO 6/7/93

Certificate of Authorization No. N/A JEO 6/7/93 Expiration Date N/A JEO 6/7/93

Signed Joe E Davis Date ~~July 7~~ JUNE 7, 19 93
Owner or Owner's Designee, Title
DJL 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 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

WORK INSTRUCTION D-16448-3D

Page 5B cont. on Page 6

TRK #179

TVA NUCLEAR JUN 0 9 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 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) WP # 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. NA Jwl 6-8-93

Expiration Date

4. Identification of System 067

5. (a) Applicable Construction Code ASC, 7TH 1973 Edition, N/A Jwl 6/8/93 Addenda, N/A Jwl 6/8/93 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 TARV - 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-A450-22-83 | | N/A Jwl 6-8-93 | | DCA-M16448-69 | UNKNOWN | REPLACEMENT | NO |
| 1067-A450-22-84 | | | | DCA-M16448-70 | UNKNOWN | REPLACEMENT | NO |
| 1067-A450-22-90 | | | | DCA-M16448-72 | UNKNOWN | REPLACEMENT | NO |
| | | | N/A Jwl 6/8/93 | | | | |
| | | | | | | | |

7. Description of Work REVISE SUPPORTS PER DCA'S M16448 69, 70 & 72

~~8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure~~ N/A Jwl 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRK # 179

DSL 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 N/A

Certificate of Authorization No. N/A Expiration Date 6/8/93

Signed Jimmy W Shade Date 6/8/93, 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 HSB I & 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 Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/24, 19 93

TVA NUCLEAR
JUN 0 8 1993

Page 5B cont. on Page 6

PAGE 5A OF 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 6-9-93

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) — WP 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 ASME 1973 Edition, JUNE 1973 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 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-A450-22-142 | | N/A | | DCA-M-16448-17 M-16448-73 M-16448-74 | UNK | REPLACEMENT | NO |
| 1067-A450-22-179 | | N/A | | DCA-M-16448-00, M-16448-81 | UNK. | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFIED SUPPORTS PER DCA-M-16448-17, 73, 74, 00, 81

8. Tests Conducted: ~~Hydrostatic~~ [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
Other [ ] Pressure _____ psi ~~Test Temp. _____ °F~~ N/A 6-9-93

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.

(12/82)

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WP # D-16448-31

FORM NIS-2 (Back) Page 5B cont. on Page 6

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 6-9-93

Certificate of Authorization No. _____ Expiration Date _____

Signed _____ 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 TENNESSEE and employed by HSB III 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.

_____ Commissions TN 2533
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/2 19 93

D 10446 30

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 (Name) — Date 6-8-93
   400 W. SUMMIT HILL DR. (Address) — Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
   P.O. Box 2000 SPRING CITY, TENN. (Address) — WP # D-16499-36 (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. NA DC 6-8-93
   Expiration Date /
4. Identification of System CV / CRCW

5. (a) Applicable Construction Code ASME 19 73 Edition, SUMM 1973 Addenda, NA 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) |
|---|---|---|---|---|---|---|---|
| 1067-A650-22-137 | NA DC | 6-8-93 | | SCA-M16499-183 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work MODIFY 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

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D 16449 26

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-181 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 ~~NA~~

Certificate of Authorization No. ~~NA~~ Expiration Date ~~DC 6-8-93~~

Signed Owner or Owner's Designee, Title Date 6-8, 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 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.

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 (Name) — Date 6/10/93
   SG 6/10/93 — 400 W. SUMMIT HILL DRIVE (Address) — Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
   PO BOX 2000 SPRING CITY, TN. 37771 (Address) — WO - 93 - 07399 - 00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - WBN (Name) — Type Code Symbol Stamp NA
   PO BOX 2000 SPRING CITY, TN 37771 (Address) — Authorization No. — Expiration Date
4. Identification of System RHR - 74
5. (a) Applicable Construction Code ASME III 1971 Edition, Summ 73 Addenda, N/A 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) |
|---|---|---|---|---|---|---|---|
| RHR Hx | ENG. + FAB. CO. ~~17811~~ SG 6/10/93 | 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 QW 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back)

9. Remarks _____

Applicable Manufacturer's Data Reports to be attached

TRACKING # 93-182 6/10/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Walters Mech. Maint. (Owner or Owner's Designee, Title) 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 TN and employed by HSB I. & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4-21-93 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.

_____ Inspector's Signature

Commissions TN 2537 National Board, State, Province, and Endorsements

Date 7-10 1993.

WP B 04532 Page 5 of Pages 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 (Name) Date 6-9-93
   400 W. SUMMIT HILL DR., KNOXVILLE, TN (Address) Sheet 1 of 7
2. Plant WATTS BAR NUCLEAR PLANT (Name) Unit 1
   P.O. BOX 2000, SPRING CITY, TN 37771 (Address) WOP # D-04532-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA-MODIFICATIONS WATTS BAR NUCLEAR PLANT (Name) Type Code Symbol Stamp /
   WATTS BAR NUCLEAR PLANT (Address) Authorization No. N/A BS 6/9/93 Expiration Date /
4. Identification of System 3/ MAIN & AUX. FEEDWATER
5. (a) Applicable Construction Code AISC 1973 Edition, 7TH Addenda, N/A BS. 6/9/93 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, W/ 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) |
|---|---|---|---|---|---|---|---|
| WO 73093 ~~1003A-1-03A-560~~ | NA | NONE | NA | NA | UN-KNOWN | REPLACE-MENT | NO |
| 1003A-1-03A-566 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| 1003A-1-03A-567 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1003-A401-9-6 | ✓ NA BS 6/9/93 | ✓ NONE BS 6/9/93 | ✓ NA BS 6/9/93 | ✓ NA BS 6/9/93 | ✓ UN-KNOWN BS 6/9/93 | ✓ REPLACE-MENT BS 6/9/93 | ✓ NO BS 6/9/93 |
| | | | NA BS 6/9/93 | | | | |

Modified 8/11/93

7. Description of Work ~~MODIFY~~ PIPE SUPPORTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure N/A BS 6/9/93 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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WP 04532 01

PAGE 6 OF 7

FORM NIS-2 (Back)

9. Remarks NONE.

Applicable Manufacturer's Data Reports to be attached

TRACKING NO: 93-183 BS 6/10/93

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____

Certificate of Authorization No. N/A BS 6/9/93 Expiration Date _____

Signed B Smith (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

MAR 2 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 TENNESSE VALLEY AUTHORITY (Name) — Date 7/16/93 — 4/12/96
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 (Address) — WO # 93-10472-00 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by WATTS BAR NUCLEAR MAINT. (Name) — ~~Type Code Symbol Stamp~~ N/A
P.O. BOX 2000, SPRING CITY TN (Address) — Authorization No. — Expiration Date — 6/15
4. Identification of System 62- CHEMICAL VOLUME CONTROL
5. (a) Applicable Construction Code ASME III 1974 Edition, S74 Addenda, N/A Code Case VBR 6-15-93
(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) |
|---|---|---|---|---|---|---|---|
| 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 VBR 6-15-93

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 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 DFW 7/18/93

Certificate of Authorization No. N/R DFW 7/18/93 Expiration Date N/R DFW 7/18/93

Signed [illegible]
Owner or Owner's Designee, Title

Date 7/16, 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 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.

[illegible]
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) — Date 6-15-93
   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-04588-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA (Name) — Type Code Symbol Stamp N/A DC 6-15-93
   PO BOX 2000, SPRING CITY, TN. (Address) — 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) |
|---|---|---|---|---|---|---|---|
| 1062-AYOC-L-64 | | | | DCA-P04588-25 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | NA DC | 6-15-93 | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work DELETE SUPPORT
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐ ~~Other~~ ☐ ~~Pressure~~ ____ psi Test Temp. ____ °F — NA DC 6-15-93

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.

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 II 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. Earnest Commissions TN 2534
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/16 19 93

WORK INSTRUCTION D-04667-12



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 (Name) — Date 6/2/93
400 W. SUMMIT HILL DR. KNOX. TN (Address) — Sheet 1 of
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit ONE
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 (Name) — Type Code Symbol Stamp
WATTS BAR NUCLEAR PLANT (Address) — Authorization No. N/A — Expiration Date 6/2/93
4. Identification of System SAFETY INJECTION SYSTEM (SYSTEM # 063)
5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A AK 6/2/93 Addenda, N/A AK 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 AK 6/2/93 | NONE | NONE | 1063-63-1SIS-V145 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT | N/A | NONE | NONE | 1063-63-1SIS-V163 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT | N/A | NONE | NONE | 1063-63-1SIS-R177 | UNKNOWN | REPLACEMENT | NO |
| PIPE SUPPORT | N/A | NONE | NONE | 1063-63-1SIS-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 NA AF 6-17-93

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.

(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-04667-12

Page 7 cont. on Page 8

WATTS BAR TVA NUCLEAR JUN 02 1993

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 Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A AK 6/2/93

Certificate of Authorization No. N/A AK 6/2/93 Expiration Date N/A AK 6/2/93

Signed John D. Sampson (Owner or Owner's Designee, Title) Date 6-17, 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 IEI CO- 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.

E. Summers (Inspector's Signature) Commissions TN2534 (National Board, State, Province, and Endorsements)

Date 8/27 19 93

WATTS BAR NUCLEAR
JUN 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) — Date 6/17/93
400 W SUMMIT HILL DRIVE KNOX TN. (Address) — Sheet 1 of 1
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit ~~W~~ 1 gcd 6/17/93
P.O. BOX 2000 SPRING CITY TN. 37771 (Address) — W.P. D-16449-27 (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 gcd 6/17/93 — Expiration Date

4. Identification of System ESSENTIAL RAW COOLING WATER / SYSTEM 67

5. (a) Applicable Construction Code AISC, 7TH 19 73 Edition, N/A gcd 6/17/93 Addenda, N/A gcd 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

| Name of 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 gcd 6/17/93 | NONE | NONE | 1067-A450-22-150 | UNKNOWN | REPLACEMENT | NO |
| ② PIPE SUPPORT | N/A gcd 6/17/93 | NONE | NONE | 1067-A450-22-151 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | N/A gcd 6/17/93 | | | | |
| | | | | | | | |

gcd 6/30/93

7. Description of Work ① INSTALLED NEW PIPE CLAMP ② INSPECTED SUPPORT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐
Other ☐ Pressure N/A psi Test Temp. ____ °F gcd 6/17/93

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.

(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-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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

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 Jer E Davis (Owner or Owner's Designee, Title) Date 6/17/93, 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 TENNESSEE and employed by HSB I&T Co of have inspected the components described in this Owner's Report during the period 6/32/93 to 6/32/93, 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 6/30 19 93

WP D-12673-01 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 (Name) — Date 6-19-93
400 W. SUMMIT HILL DRIVE, KNOXVILLE, TN (Address) — Sheet 1 of 2
2. Plant WATTS BAR NUCLEAR PLANT (Name) — Unit 1
P.O. BOX 2000, SPRING CITY, TN 37381 (Address) — D-12673-01 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by TVA - MODIFICATIONS (Name) — Type Code Symbol Stamp
WATTSBAR NUCLEAR PLANT (Address) — Authorization No. ~~N/A~~ YKD 6-19-93
Expiration Date
4. Identification of System SAFETY INJECTION, SYS. 63
5. (a) Applicable Construction Code AISC 1973 Edition, 7th Addenda, N/A YKD 6-19-93 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) |
|---|---|---|---|---|---|---|---|
| 1063-63-1SIS-R212 | | NONE | NONE | | UNKNOWN | REPLACEMENT | NO |
| 1063-63-1SIS-R107 | | | | N/A | | | NO |
| 1063-63-1SIS-R110 | N/A YKD 6-19-93 | | | YKD 6-19-93 | | REPLACEMENT | NO |
| 1063-63-1SIS-V117 | | | | | | REPAIRED | NO |
| 1063-63-1SIS-V223 | | | | | | REPAIRED | NO |

7. Description of Work SUPPORT MODIFICATIONS
8. Tests Conducted: Hydrostatic Pneumatic ☐ ~~Nominal Operating Pressure~~ ☐ N/A YKD 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 8½ in. x 11 in., (2) information in items 1 through 6 on this report 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

N 2 7 1993

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WP D-12673-01

Page 1f cont. on Page ~~1g~~

FORM NIS-2 (Back) Sheet 2 of 2

9. Remarks TRACKING NUMBER 93-188 YKD 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 YKD 6-19-93

Certificate of Authorization No. Expiration Date

Signed YK 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&I 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.

Inspector's Signature Commissions TN 2537
National Board, State, Province, and Endorsements

Date 7-2 1993

TVA NUCLEAR
JAN 27 1993

D 16449 32

# 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 6-24-93
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 37381 (Address) — D-16449-32 (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. NA
Expiration Date ~~NA~~ 667 6-24-93

4. Identification of System ____

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 19 80 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 667 6.24.93~~ | ~~NONE~~ | ~~NONE~~ | ~~N/A 667 6.24.93~~ | ~~UNKNOWN~~ | ~~REPLACEMENT~~ | ~~NO~~ |
| 1067-A450-22-8 | N/A 6.24.93 | NONE | NONE | N/A 667 6.24.93 | UNKNOWN | REPLACEMENT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

MG 7/8/93

7. Description of Work SUPPORT MODIFICATION

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure ____ psi Test Temp. ____ °F
~~NA~~ 667 6-24-93

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.

(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

16449 32

7 8

FORM NIS-2 (Back)

9. Remarks TRACKING NO. 93-189 GKT 6-24-93

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 GKT 6-24-93

Certificate of Authorization No. _____ Expiration Date _____

Signed [signature] Date 6-24-93, 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 T&I CO. of _____ have inspected the components described in this Owner's Report during the period 7/8/93 to 7/8/93, 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.

B. Earnest Commissions TN 2534
Inspector's Signature — National Board, State, Province, and Endorsements

Date 7/8 19 93