

TABLE I

ASME Class 2 (TVA Safety Class B) Components Exempt From Examination

System	Reference Drawings	Boundary of Exempted Components	Basis for Exemption (See Notes)
CVC (62)	47W809-1	All Components from the 8" RWST pump supply line to the centrifugal charging pumps 2A-A and 2B-B and up to the 4" line leading to the reciprocating charging pump 2C.	1
SIS (63)	47W811-1 47W810-1 47W812-1	All components from and including the refueling water storage tank, FCV-63-8 and FCV-63-11 to LCV-62-135, LCV-62-136, to the supply side of the SIS pumps 2A-A and 2B-B, FCV-63-1, HCV-74-34, FCV-72-21, and FCV-72-22.	1
		All components from the containment sump to FCV-63-72, FCV-63-73, FCV-72-44, and FCV-72-45.	1
CS(72)	47W812-1	All components from valves FCV-72-2, 39, 40, and 41 to and including the ring headers.	1
		All components from valves 72-503 and 72-504 through the containment spray test line to the RWST.	1

TABLE II
COMPONENTS SUBJECT TO EXAMINATION CATEGORY
ASME CLASS 2 SUPPORTS

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<u>System</u>	<u>Dwg. No.</u>	<u>Table</u>	<u>Support Type</u>				<u>Integrally-Welded</u>	<u>Examinations</u>	<u>Bolting</u>	<u>Remarks</u>
(MS)	(Later)	IWC	<u>Restraint</u>	<u>Snubber</u>	<u>Spring</u>	<u>Anchor</u>	<u>Attachment</u> <u>Size</u>	<u>Required</u>		
	<u>Pipe</u>									
	<u>Support No.</u>	<u>Sheet No.</u>	<u>Size</u>							
FWH-465	6	X					No	VT-3	Yes	
FWH-466	6			X			No	VT-3,4	Yes	
FWH-467	6	X					No	VT-3	Yes	
FWH-468	6			X			No	VT-3,4	Yes	
FWH-469	6	X					No	VT-3	Yes	
FWH-472	6	X					No	VT-3	Yes	
FWH-473	6					X	No	VT-3	Yes	

DATA PACKAGE COVER SHEET

**PRESERVICE BASELINE INSPECTION FOR TENNESSEE VALLEY AUTHORITY WATTS BAR
NUCLEAR PLANT**

Unit 2

All preservice inspection requirements have been conducted in accordance with this program.

Site Quality Manager

Date

Plant Manager

Date

1410k/COC4

TABLE I (Continued)

ASME Class 2 (TVA Safety Class B) Components Exempt From Examination

System	Reference Drawings	Boundary of Exempted Components	Basis for Exemption (See Notes)
CS(72)	47W812-1	All components from valves FCV-72-21, 22, 44, and 45 to the suction side of the containment spray pumps 2A-A and 2B-B.	1
		All components from the discharge of the containment spray pumps 2A-A and 2B-B to valves FCV-72-2, FCV-72-39, 72-503, and 72-504.	2

NOTES:

- (1) Components in systems where both the design pressure and temperature are equal to or less than 275 psig and 200° F, respectively.
- (2) Components in systems or portions of systems, other than emergency core cooling systems, which do not function during normal reactor operation.

DATA SHEET 1 (Cont'd)

EXAMINATION SECTION

SCO REPRESENTATIVE

DATE

Class 1 Components (Continued)
Piping

6.4.1
6.4.2
6.4.3
6.4.4
6.4.5
6.4.7

RCP

6.5.1
6.5.2
6.5.4
6.5.5
6.5.6

Valves

6.6.2
6.6.6

Class 2 Components
Steam Generators

7.1.1
7.1.2

RHRHX

7.2.1
7.2.2
7.2.3

RHX

7.3.1
7.3.3

LHX

7.4.1
7.4.3

DATA SHEET 1

The SQO representative shall sign-off the applicable portions of this data sheet when the examination requirements of Sections 6.0, 7.0, 8.0, and 9.0 of this program have been completed.

EXAMINATION SECTION

SQO REPRESENTATIVE

DATE

Class 1 Components
Reactor Vessel

6.1.1.1
6.1.1.2
6.1.1.3
6.1.1.4
6.1.1.5
6.1.2
6.1.3
6.1.4
6.1.5
6.1.9
6.1.10
6.1.11

Pressurizer

6.2.1
6.2.2
6.2.3
6.2.4
6.2.6
6.2.7

Steam Generators

6.3.1
6.3.3
6.3.5
6.3.8

DATA SHEET 1 (cont'd)

EXAMINATION SECTION

SOO REPRESENTATIVE

DATE

Class 2 Components (Continued)

SIP

7.12.4

PDP

7.13.4

Valves

7.14.1

All examinations required by the referenced sections of this data sheet have been conducted in accordance with this program.

SOO Representative

Date

Reviewed By:

NOE Section XI Programs Representative

Date

Approved By:

Site Quality Manager

Date

DDATA SHEET 1 (cont'd)

EXAMINATION SECTION

SOO REPRESENTATIVE

DATE

Class 2 Components (Continued)

ELHX

7.5.1

BIT

7.6.1

7.6.2

7.6.3

7.6.4

WA

7.7.1

7.7.2

7.7.3

7.7.4

ST

7.8.1

7.8.3

Piping

7.9.1

7.9.2

7.9.3

7.9.5

7.9.6

RHRP

7.10.3

7.10.4

CCP

7.11.3

7.11.4

DATA SHEET 2 CONTINUATION SHEET

Component:

Component Identification:

Reference Drawing:

Program Section:

Examination Method:

Reason for Reexamination:

Reexamination completed in accordance with this program.

SQO Representative

Date

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DATA SHEET 2

In the event system or component alterations or repairs are made which require reexamination or components are reexamined for other reasons following sign-off of all or portions of Data Sheet 1, this Data Sheet shall be used to reflect these additional examinations. Each area requiring reexamination shall be documented on a continuation sheet of this Data Sheet.

Additional examinations were required to be performed as noted above (check appropriate space):

yes

no

All additional examinations requiring use of this data sheet, if any, have been conducted in accordance with this program. If additional examinations were performed, all continuation sheets have been completed, signed, and attached to this data sheet.

SQO Representative

Date

Reviewed By:

NDE Section XI Programs Representative

Date

Approved By:

Site Quality Manager

Date

REQUEST FOR RELIEF ISI-1

Components:

- 1) Uncladded Vessel Welds Less Than 2 Inches in Thickness.

Class:

ASME Class 2 (TVA Safety Class B)

Inspection Requirement:

Ultrasonic examination of welds, paragraph T-530 of ASME Section V, Article 5, thru Summer 1975 Addenda as referenced in paragraph IWA-2232 of ASME Section XI thru Summer 1975 Addenda.

Basis for Relief:

- A. Paragraph T-533 of Article 5 of ASME Section V requires in part that drilled holes, parallel to the contact surface of the calibration block, be used to establish the primary reference response of the equipment and to construct a distance-amplitude-correction curve (DAC). No known technique exists for inducing drilled holes, which are parallel to the contact surface, in the circumferential direction of curved calibration blocks. It is virtually impossible, using standard ultrasonic examination techniques, to establish a repeatable distance-amplitude-correction curve in materials less than approximately 0.375-inch thick using drilled holes caused by saturation of the part by ultrasound. Additionally, drilled holes are not representative of the reflectivity of flaws which are of major concern, i.e., surface cracks, incomplete penetration, and stress corrosion cracking.

The inherent difficulties of utilizing drilled holes as reference reflectors, particularly in the area of austenitic and high nickel welds, is an industry recognized problem, and steps have been taken to address this in later addenda to both ASME Section V and Section XI. Paragraph T-547 of the winter 1978 addenda to ASME Section V required the use of longitudinal and circumferential notches located on the I.D. and O.D. surface of the calibration block at a nominal depth of 10%t in ferritic materials. Paragraph T-548 of this document allows these techniques to be modified and/or supplemented

APPENDIX C
NOTIFICATION OF INDICATION
PART I - FINDINGS

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NOI No. _____ Plant/Unit _____
Examination Report No. _____ Component ID _____
Drawing No. _____ CAQR No. _____

Description of Indication: (Sketch/Photograph if needed)

Condition Adverse to Quality Report (CAQR) initiated? ___ No. ___ deferred to
Part II below, ___ Yes, CAQR No. entered above.

Signature of Examiner/Certif. Level _____

_____ Date

Signature of Field Supervisor (Contractor) _____

_____ Date

SQO Representative _____

_____ Date

Assigned to: _____ By _____

Nuclear Site Director's
Organization Representative

PART II - DISPOSITION

Condition Adverse to Quality Report (CAQR) required? ___ (See Part I
Above), ___ No, ___ Yes, CAQR No. entered above.

Disposition Prepared By _____

_____ Date

Disposition Approved By _____

_____ Date

PART III - VERIFICATION

Verification of Completed Corrective Action and/or Examination By SQO
Representative

Work Instruction No. _____ DCR No. _____ Reexamination Report No. _____

Signature _____

_____ Date

COC4/1411k

REQUEST FOR RELIEF ISI-2

Components: Pressure-retaining welds in piping (Later)

Class: ASME Class 1 and 2 (TVA Safety Class A and B)

Inspection Requirement: Volumetric examination of longitudinal, circumferential, and pipe branch connection welds, examination categories B-F, B-J, C-F, and C-G.

Basis for Relief: In some cases it will be impractical to ultrasonically examine all welds in accordance with Appendix III, Subarticle III-4400 of Section XI of ASME Code 1977 Edition, Summer 1978 Addenda and achieve meaningful results, i.e., geometric configuration or accessibility.

Each weld had a construction radiographic examination performed in accordance with ASME Section III.

Alternate Inspection: Ultrasonic examinations will be performed to the extent practical and supplemented with Section XI surface examinations on all accessible areas of the weld.

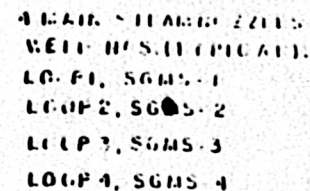
(List of Welds to be Added Later)

for the Section XI, Appendix III-4500 and IWA-2232, which require recording of all indications greater than 50% DAC with an evaluation required of those indications greater than 100% DAC.

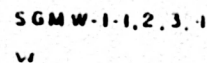
Alternate Inspection:

TVA proposes to continue the use of notches located on the I.D. and O.D. surfaces at a nominal depth of 5%t as reference reflectors. However, TVA at its discretion may use notches at a nominal depth up to 10%t as permitted by the Summer 1978 Addenda of Section XI. Further, TVA proposes to continue the detailed evaluation of all reflectors which exceed the 100% DAC and the recording of all other indications greater than 50% DAC. TVA considers the use of strip chart recorders as an acceptable recording method for the latter requirement.

IBM



A

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REF. 0076:CH 6 2547 0

WATTS BAR MICHIGAN PLANT
UNITS #1 & #2
STEAM GENERATION

REQUEST FOR RELIEF ISI-3

Components:

Steam generator (four per unit)

Class:

ASME Class 2 (TVA Safety Class B)

Inspection Requirement:

Volumetric examination of circumferential shell welds, examination categories C-A.

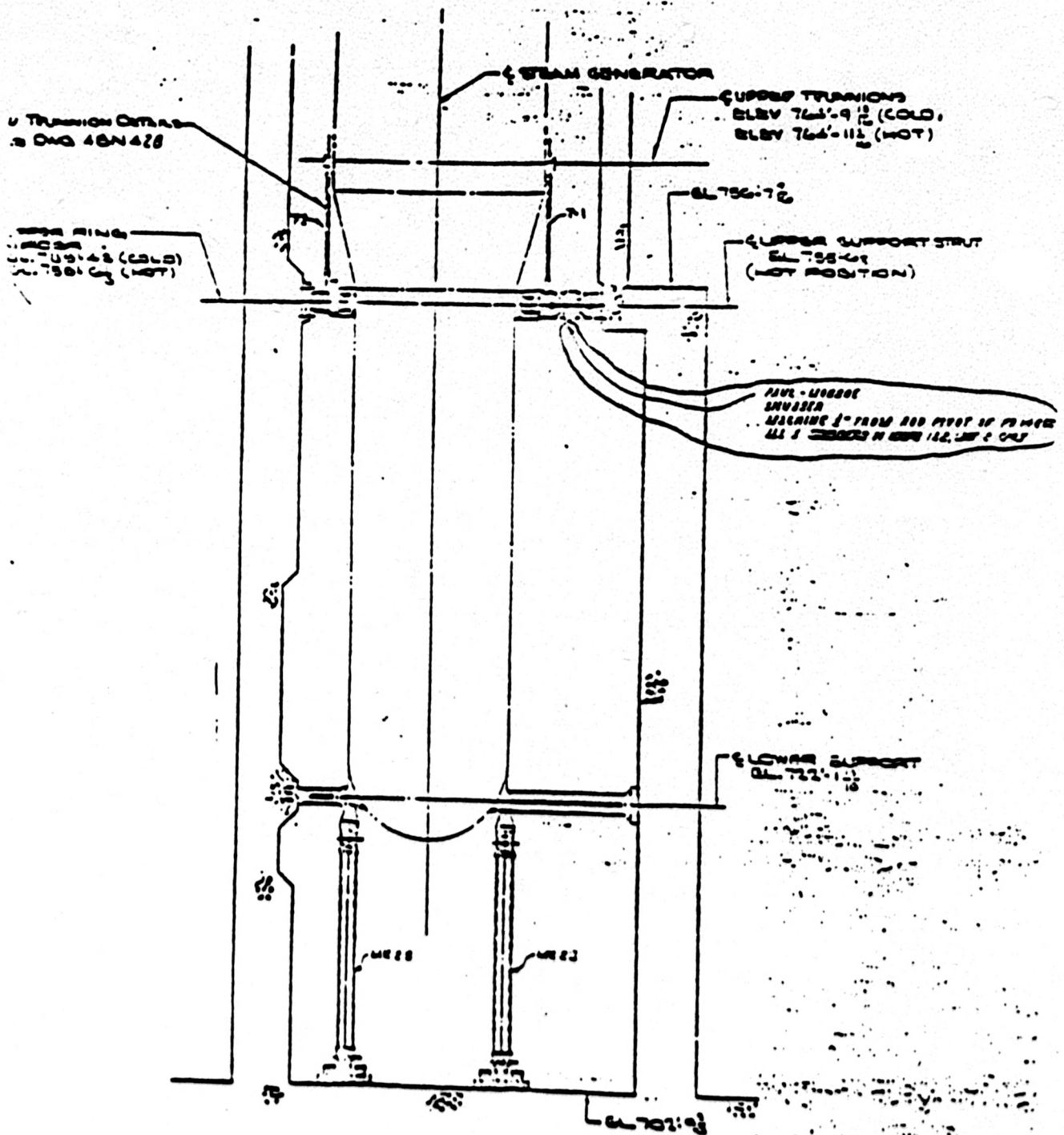
Basis for Relief:

One circumferential shell weld on each generator is inaccessible due to the upper steam generator support brackets (weld numbers SG-4B-5-1, SG-4B-5-2, SG-4B-5-3, and SG-4B-5-4). See attached drawings. One weld on one generator will be examined on a "best effort" basis for the preservice examination.

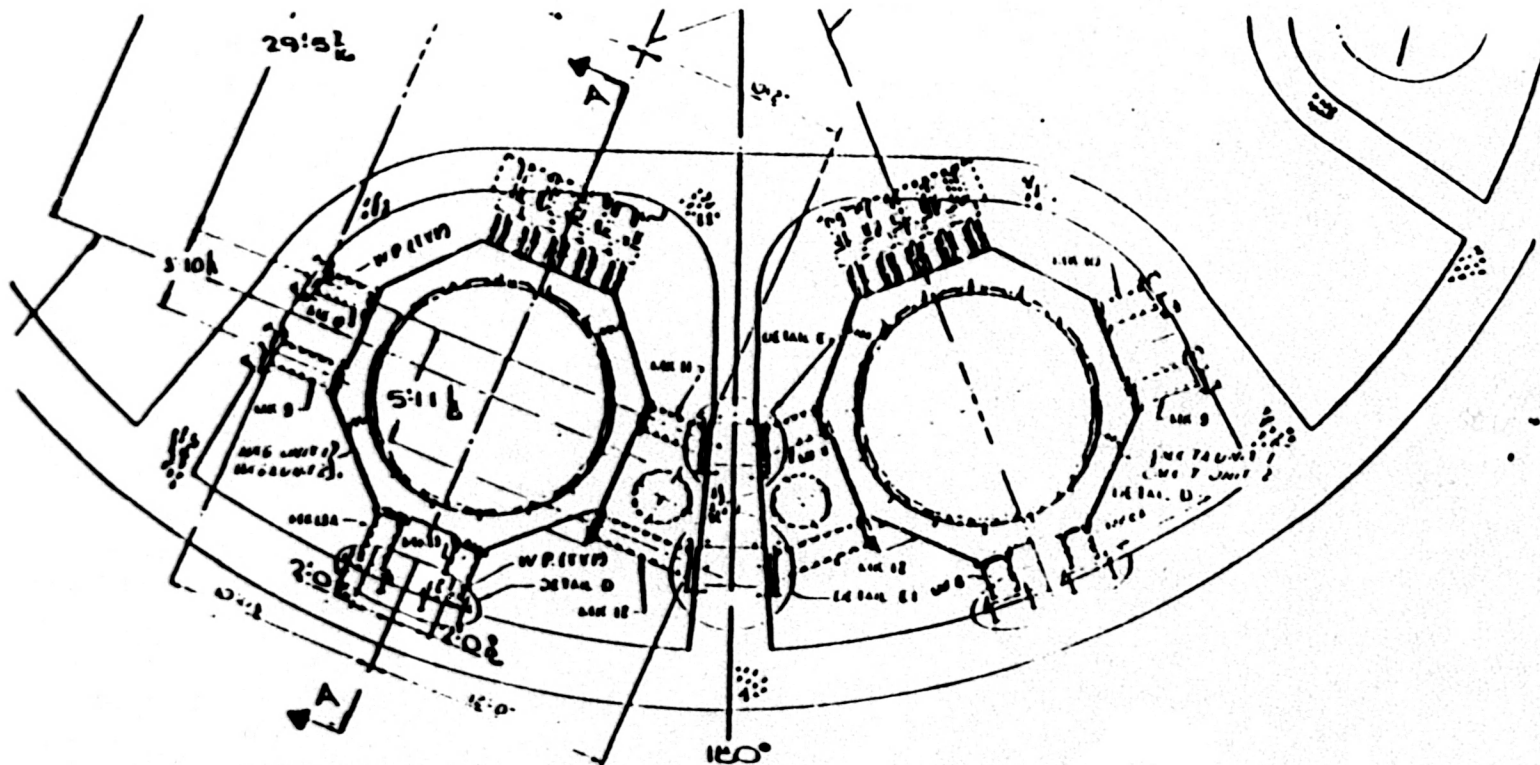
Weld (later) was selected to be examined on a best effort basis for preservice inspection. It was determined that at least (later) percent of the examination volume was examined due to the support bracket interface.

Alternate Inspection:

None



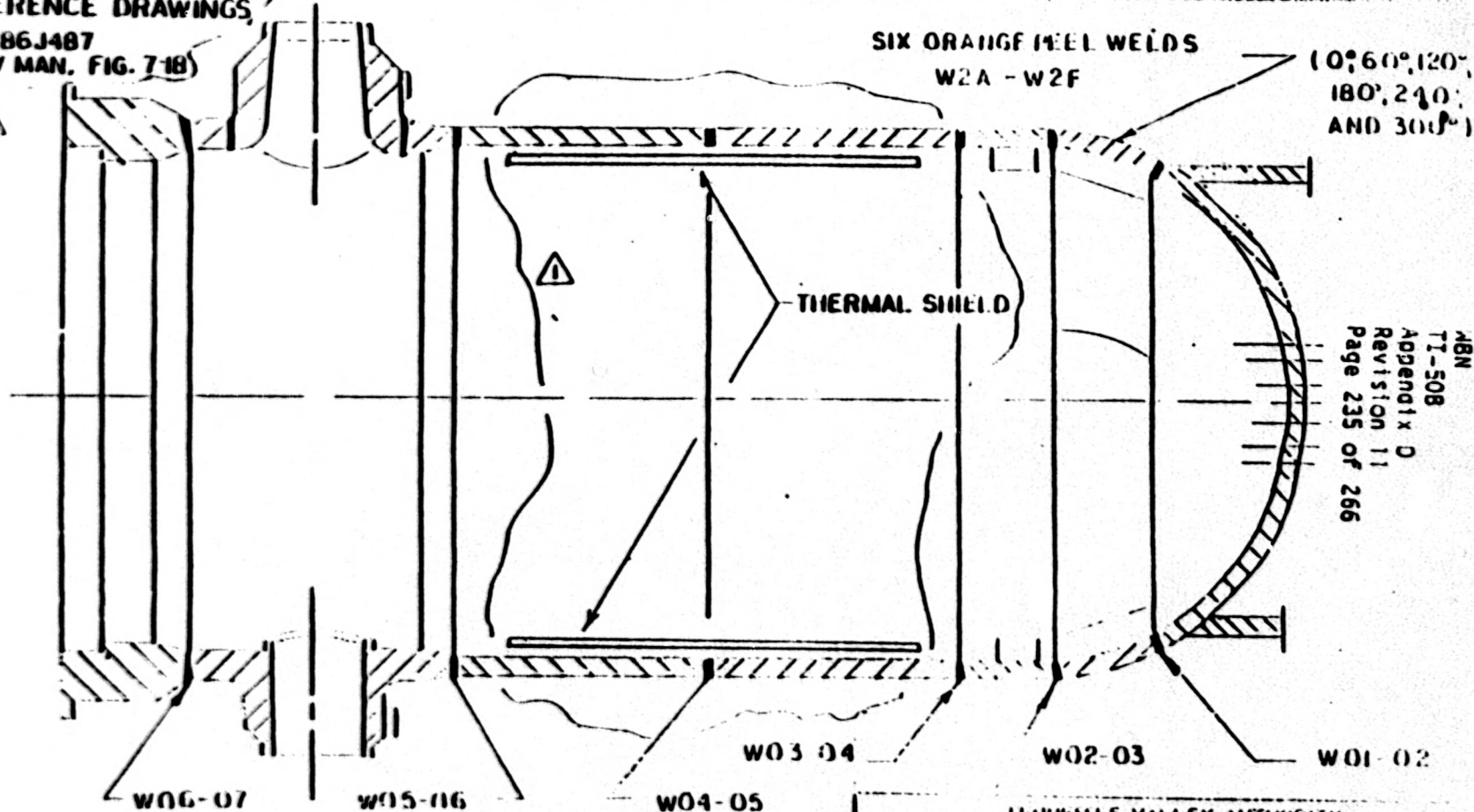
SECTION-A-A



UPPER STEAM GENERATOR SUPPORT ARRANGEMENT

REFERENCE DRAWINGS

W686J487
RPV MAN. FIG. 7-18



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NO.	DATE	REVISIONS
1	4-7-82	ADD THERMAL SHIELD AND REF. DWGN

SCALE: N.T.S.
DRAWN: [Signature]
CHECKED: [Signature]
APP: [Signature]

HEMPHREY VALLEY AUTHORITY
DIVISION OF POWER PROMOTION
WATTS BAR NUCLEAR PLANT
UNITS #1 & #2
REACTOR VESSEL
(SEAM WELDS)

DATE: 10-3-18

APPROVED: [Signature]

DATE: 10-3-18

CHECKED: [Signature]

REQUEST FOR RELIEF ISI-4

Component:

Reactor Pressure Vessel

Class:

ASME Class 1 (TVA Safety Class A)

Inspection Requirement:

A 100 percent preservice volumetric examination of lower head dollar weld, examination category B-8, under conditions and with equipment and techniques equivalent to those expected to be employed during inservice inspection.

Basis for Relief:

TVA will employ automated remote inspection devices to examine most of the reactor vessel welds. These examinations will be conducted from the vessel inside diameter. However, the lower head weld on each reactor pressure vessel is partially inaccessible for examination for the vessel inside diameter due to instrumentation tubes which penetrate the lower head (weld no. W01-02 see attached drawings). Portions of the weld can be examined from one side (as permitted by I-5121 of Section XI) and will include 100 percent of the examination volume in accordance with IWB-3511.1 of Section XI. These portions of the weld will be re-examined during the inservice intervals in accordance with examination category B-8 of Table IWB-2500.

Alternate Inspection:

A 100 percent preservice examination of the weld will be conducted from the vessel outside diameter. This will be accomplished by performance of a manual ultrasonic examination. A remote ultrasonic examination will be conducted from the vessel inside diameter on all accessible areas of the weld.

REQUEST FOR RELIEF ISI-5

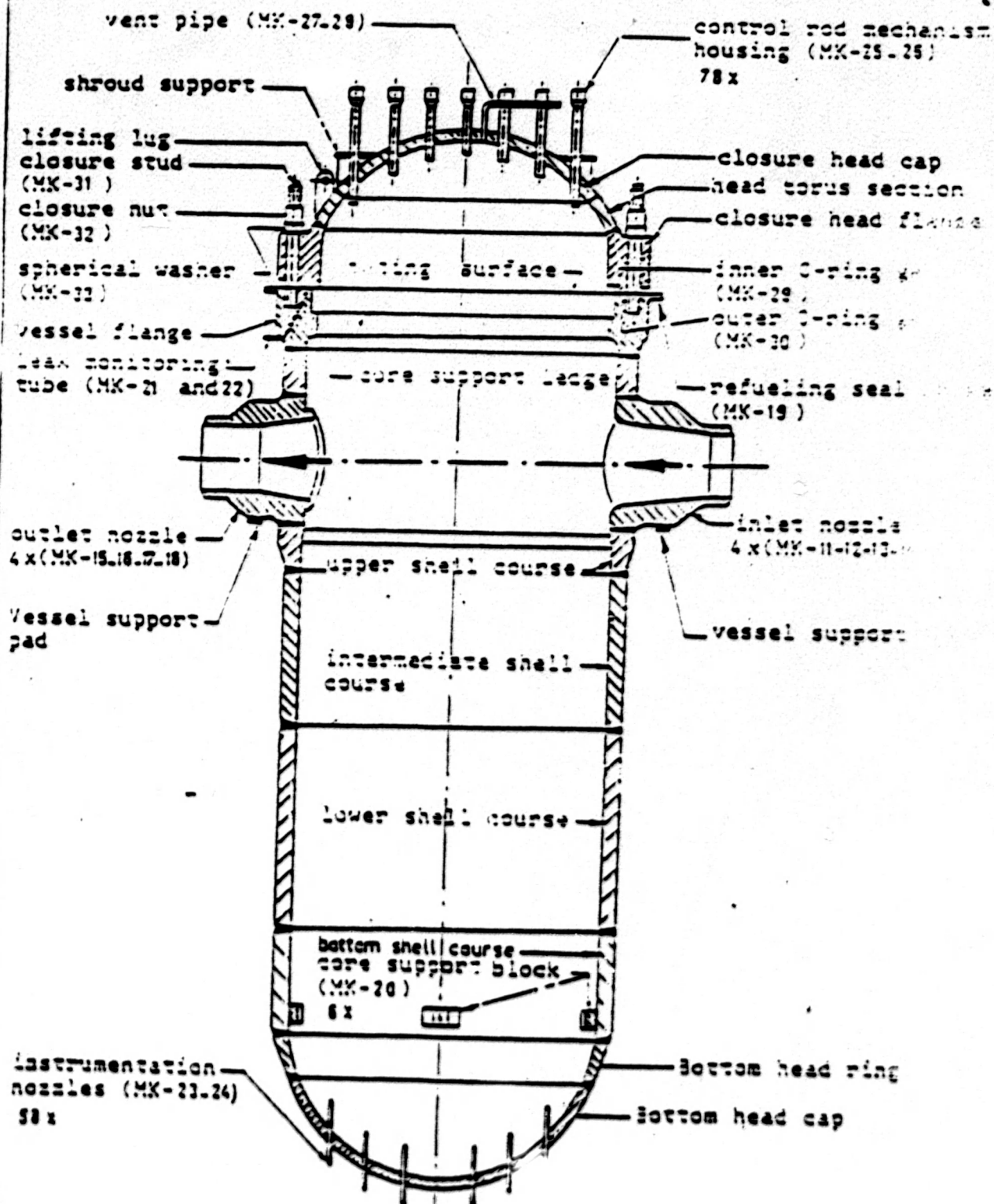
Components: Reactor coolant pumps (four per unit)

Class: ASME Class 1 (TVA Safety Class A)

Inspection Requirement: Volumetric examination of pressure-retaining welds in pump casing, examination category B-L-1.

Basis for Relief: Each reactor coolant pump casing consists of a two-piece welded type 304 SST casting. The present capability of ultrasonic testing is not sufficient to examine cast material of this thickness and achieve meaningful results.

Alternate Inspection: All four welds will be surface examined for the preservice examinations.



REQUEST FOR RELIEF ISI-7

Components: Letdown Heat Exchanger and Excess Letdown Heat Exchanger

Class: ASME Class 2 (TVA Safety Class B)

Inspection Requirement: Volumetric examination of at least twenty percent of each circumferential butt weld (head-to-shell, tube sheet-to-shell) in examination category C-A. This examination shall be uniformly distributed among three areas around the vessel circumference.

Basis for Relief: Twenty percent of the circumferential welds can be examined, however, because of geometrical interference we cannot distribute the examination area uniformly.

Alternate Inspection: The circumferential welds shall be volumetrically examined in all accessible areas. This will exceed the twenty percent examination requirements.

0032k/COC4

REQUEST FOR RELIEF ISI-6

Components: Regenerative Heat Exchanger

Class: ASME Class 2 (TVA Safety Class B)

Inspection Requirement: Volumetric examination of circumferential butt welds (head-to-shell, tube-sheet-to shell) in examination category C-A

Basis for Relief: The shell of the regenerative heat exchanger is fabricated from SA-351, CF8. The present capability of ultrasonic testing is not sufficient to examine cast material of this thickness (1.070 inches) and achieve meaningful results. Examination from the head side of the weld cannot be performed with meaningful results because the thickness and configuration of the head does not leave ample space for suitable examination.

Alternate Inspection: Surface examination of the circumferential weld.

REQUEST FOR RELIEF ISI-9

Components: Residual Heat Removal Heat Exchanger

Class: ASME Class 2 (TVA Safety Class B)

Inspection Requirement: Volumetric examination of at least twenty percent of each circumferential butt weld at structural discontinuities in examination category C-A. This examination shall be uniformly distributed among three areas around the vessel circumference.

Basis for Relief: Approximately (later) percent of weld. (later) can be examined due to residual heat removal heat exchanger inlet and outlet nozzle, and the residual heat removal heat exchanger support pad attachment plates. See attached drawing.

The weld had a shop radiographic examination performed in accordance with ASME Section III.

Alternate Inspection: The circumferential weld shall be volumetrically examined in all accessible areas.

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Request for Relief ISI-8 Has Been Withdrawn

0032k/COC4

REQUEST FOR RELIEF ISI-10 (CONTINUED)

Drawing to be Added Later

REQUEST FOR RELIEF ISI-10

Components:

Residual Heat Removal Heat Exchanger

Class:

ASME Class 2 (TVA Safety Class B)

Inspection Requirement:

Volumetric examination shall cover hundred percent of the nozzle-to-vessel attachment weld in examination category C-B.

Basis for Relief:

Limited examination due to residual heat removal heat exchanger nozzle geometry, and residual heat removal heat exchanger support pad attachment plates. See welds listed (later) and drawing (later).

Each weld has a shop radiographic examination performed in accordance with ASME III.

Alternate Inspection:

The nozzle-to-vessel attachment welds shall be volumetrically examined in all accessible areas.

NATIONAL BOARD NUMBERS

SYSTEM: 001-MAIN STEAM

<u>TVA COMP. ID</u>	<u>MANUFACTURER</u>	<u>S/N</u>	<u>NAT. BD. NO.</u>
2-SFV-01-526	Dresser		
2-SFV-01-516	Dresser		
2-SFV-01-531	Dresser		
2-SFV-01-525	Dresser		
2-SFV-01-515	Dresser		
2-SFV-01-530	Dresser		
2-SFV-01-524	Dresser		
2-SFV-01-514	Dresser		
2-SFV-01-529	Dresser		
2-SFV-01-523	Dresser		
2-SFV-01-513	Dresser		
2-SFV-01-528	Dresser		
2-SFV-01-522	Dresser		
2-SFV-01-517	Dresser		
2-SFV-01-512	Dresser		
2-SFV-01-527	Dresser		
2-SFV-01-521	Dresser		
2-SFV-01-520	Dresser		
2-SFV-01-519	Dresser		
2-SFV-01-513	Dresser		
2-RIS-01-619	Walworth		
2-RIS-01-620	Walworth		
2-RIS-01-622	Walworth		
2-RIS-01-621	Walworth		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 001-MAIN STEAM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-FCV-01-011	Atwood-Morrill		
N/A	Dravo OIC-SV-11		
N/A	Dravo OIC-SV-24		
N/A	Dravo OIC-SV-37		
N/A	Dravo OIC-SV-50		
2-FCV-01-004	Atwood-Morrill		
2-FCV-01-029	Atwood-Morrill		
2-FCV-01-022	Atwood-Morrill		
N/A	Dravo OIA-MS-001		
N/A	Dravo OIA-MS-002		
N/A	Dravo OIA-MS-003		
N/A	Dravo OIA-MS-004		
N/A	Dravo OIA-MS-007		
N/A	Dravo OIA-MS-015		
N/A	Dravo OIA-MS-016		
N/A	Dravo OIA-MS-017		
N/A	Dravo OIA-MS-018		
N/A	Dravo OIA-MS-032		
N/A	Dravo OIA-MS-033		
N/A	Dravo OIA-MS-034		
N/A	Dravo OIA-MS-035		
N/A	Dravo OIA-MS-036		
N/A	Dravo OIA-MS-050		
N/A	Dravo OIA-MS-051		
N/A	Dravo OIA-MS-052		
N/A	Dravo OIA-MS-053		
N/A	Dravo OIA-MS-152		
N/A	Dravo OIA-MS-153		
N/A	Dravo OIA-MS-154		
N/A	Dravo OIA-MS-155		
2-PCV-01-005	Copes-Vulcan		
2-PCV-01-012	Copes-Vulcan		
2-PCV-01-023	Copes-Vulcan		
2-PCV-01-030	Copes-Vulcan		
N/A	Dravo OIA-MS-005		
N/A	Dravo OIA-MS-006		
N/A	Dravo OIA-MS-019		
N/A	Dravo OIA-MS-020		
N/A	Dravo OIA-MS-037		
N/A	Dravo OIA-MS-038		
N/A	Dravo OIA-MS-054		
N/A	Dravo OIA-MS-056		
N/A	Dravo OIA-MS-057		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 003-FEEDWATER

<u>TVA COMP. ID</u>	<u>MANUFACTURER</u>	<u>S/N</u>	<u>NAT. BD. NO.</u>
N/A	Dravo	03A-FW-012	
N/A	Dravo	03A-FW-013	
N/A	Dravo	03A-FW-015	
N/A	Dravo	03A-FW-016	
N/A	Dravo	03A-FW-017	
N/A	Dravo	03A-FW-018	
N/A	Dravo	03A-FW-020	
N/A	Dravo	03A-FW-021	
N/A	Dravo	03A-FW-022	
N/A	Dravo	03A-FW-023	
N/A	Dravo	03A-FW-024	
N/A	Dravo	03A-FW-025	
N/A	Dravo	03A-FW-026	
N/A	Dravo	03A-FW-027	
N/A	Dravo	03A-FW-028	
N/A	Dravo	03A-FW-029	
2-FCV-03-236	Leslie		<u>To Be Completed Later</u>
2-FCV-03-239	Leslie		
2-FCV-03-242	Leslie		
2-FCV-03-245	Leslie		
2-FCV-03-087	Walworth		
2-FCV-03-033	Walworth		
2-FCV-03-047	Walworth		
2-FCV-03-100	Walworth		
2-CKV-03-510	Walworth		
2-CKV-03-511	Walworth		
2-CKV-03-509	Walworth		
2-CKV-03-508	Walworth		
N/A	Dravo	03B-AF-179	

NATIONAL BOARD NUMBERS

SYSTEM: 003-FEEDWATER

<u>TVA COMP. ID</u>	<u>MANUFACTURER</u>	<u>S/N</u>	<u>NAT. BD. NO.</u>
N/A	Dravo	03A-FW-030	
N/A	Dravo	03A-FW-031	
N/A	Dravo	03A-FW-036	
N/A	Dravo	03A-FW-037	
N/A	Dravo	03A-FW-038	
N/A	Dravo	03A-FW-039	
N/A	Dravo	03A-FW-044	
N/A	Dravo	03A-FW-045	
N/A	Dravo	03A-FW-046	
N/A	Dravo	03A-FW-047	
N/A	Dravo	03A-FW-048	
N/A	Dravo	03A-FW-049	
N/A	Dravo	03A-FW-054	
N/A	Dravo	03A-FW-055	
N/A	Dravo	03A-FW-056	
N/A	Dravo	03A-FW-057	
N/A	Dravo	03A-FW-058	
N/A	Dravo	03A-FW-059	
N/A	Dravo	03A-FW-065	
N/A	Dravo	03A-FW-066	
N/A	Dravo	03A-FW-067	
N/A	Dravo	03A-FW-068	
N/A	Dravo	03B-AF-177	
N/A	Dravo	03B-AF-178	
N/A	Dravo	03B-AF-180	
N/A	Dravo	03B-AF-181	
N/A	Dravo	03B-AF-176	
2-CKV-03-645	Borg-Warner		
2-CKV-03-655	Borg-Warner		
2-CKV-03-052	Borg-Warner		
2-CKV-03-669	Borg-Warner		
2-CKV-03-638	Borg-Warner		
2-CKV-03-656	Borg-Warner		
2-CKV-03-679	Borg-Warner		
2-CKV-03-670	Borg-Warner		
2-CKV-03-644	Borg-Warner		
2-CKV-03-678	Borg-Warner		
N/A	Dravo	03A-FW-001	
N/A	Dravo	03A-FW-003	
N/A	Dravo	03A-FW-005	
N/A	Dravo	03A-FW-006	
N/A	Dravo	03A-FW-007	
N/A	Dravo	03A-FW-008	
N/A	Dravo	03A-FW-010	

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 062-CHEMICAL & VOLUME CONTROL SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	Dravo 62A-CVC-177		
N/A	Dravo 62A-CVC-178		
2-ISV-62-567	Kerotest		
2-ISV-62-564	Kerotest		
2-ISV-62-565	Kerotest		
2-ISV-62-566	Kerotest		
2-CKV-62-562	Kerotest		
2-CKV-62-576	Kerotest		
2-CKV-62-563	Kerotest		
2-CKV-62-578	Kerotest		
2-CKV-62-661	Kerotest		
2-CKV-62-561	Kerotest		
2-CKV-62-560	Kerotest		
2-CKV-62-577	Kerotest		
2-CKV-62-579	Kerotest		
2-PMP-62-230A	Gould Pumps		<u>To Be Completed Later</u>
2-PMP-62-232B	Gould Pumps		
N/A	TVA 2-62-5-10-003		
N/A	TVA-2-62-5-10-004		
N/A	TVA-2-62-5-10-007		
N/A	TVA 2-62-5-15-017		
N/A	TVA-2-62-5-15-018		
N/A	TVA-2-62-5-15-035		
N/A	TVA 2-62-5-15-036		
N/A	TVA-2-62-5-15-037		
N/A	TVA-2-62-5-15-038		
N/A	TVA-2-62-5-15-039		
N/A	TVA-2-62-5-16-001		
N/A	TVA-2-62-5-16-002		
N/A	TVA-2-62-5-16-003		
N/A	TVA-2-62-5-16-030		
N/A	TVA-2-62-5-16-031		
N/A	TVA-2-62-5-16-032		

NATIONAL BOARD NUMBERS

SYSTEM: 062-CHEMICAL & VOLUME CONTROL SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-CKV-62-659	Westinghouse		
2-CKV-62-660	Westinghouse		
2-CKV-62-638	Westinghouse		
2-CKV-62-640	Westinghouse		
2-DRV-68-580	Velan		
2-HTX-62-120	Joseph Oat		
2-HTX-62-122	Atlas Mfg.		
2-HTX-62-121	Atlas Mfg.		
2-HTX-62-01/01A	Atlas Mfg.		
2-DEMN-62-01/01A	Lamco Ind.		
2-DEMN-62-01/01B	Lamco Ind.		
2-DEMN-62-02/1A	Lamco Ind.		
2-TANK-62-05/1A	Lamco Ind.		
2-FCV-62-84	Fisher		
2-FCV-62-70	Fisher		
2-FCV-62-69	Fisher		
N/A	Dravo 62A-CVC-144		
N/A	Dravo 62A-CVC-145		
N/A	Dravo 62A-CVC-146		
N/A	Dravo 62A-CVC-147		
N/A	Dravo 62A-CVC-148		
N/A	Dravo 62A-CVC-149		
N/A	Dravo 62A-CVC-151		
N/A	Dravo 62A-CVC-152		
N/A	Dravo 62A-CVC-153		
N/A	Dravo 62A-CVC-154		
N/A	Dravo 62A-CVC-155		
N/A	Dravo 62A-CVC-156		
N/A	Dravo 62A-CVC-157		
N/A	Dravo 62A-CVC-158		
N/A	Dravo 62A-CVC-159		
N/A	Dravo 62A-CVC-160		
N/A	Dravo 62A-CVC-161		
N/A	Dravo 62A-CVC-162		
N/A	Dravo 62A-CVC-163		
N/A	Dravo 62A-CVC-164		
N/A	Dravo 62A-CVC-171		
N/A	Dravo 62A-CVC-172		
N/A	Dravo 62A-CVC-173		
N/A	Dravo 62A-CVC-174		
N/A	Dravo 62A-CVC-175		
N/A	Dravo 62A-CVC-150		
N/A	Dravo 62A-CVC-176		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 063-SAFETY INJECTION SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	Dravo	63-SI-163	
N/A	Dravo	63-SI-164	
N/A	Dravo	63-SI-165	
N/A	Dravo	63-SI-166	
N/A	Dravo	63-SI-167	
N/A	Dravo	63-SI-168	
N/A	Dravo	63-SI-169	
N/A	Dravo	63-SI-170	
N/A	Dravo	63-SI-171	
N/A	Dravo	63-SI-172	
N/A	Dravo	63-SI-175	
N/A	Dravo	63-SI-176	
N/A	Dravo	63-SI-177	
N/A	Dravo	63-SI-178	
N/A	Dravo	63-SI-179	
N/A	Dravo	63-SI-180	
N/A	Dravo	63-SI-181	
N/A	Dravo	63-SI-182	
N/A	Dravo	63-SI-183	
N/A	Dravo	63-SI-215	
N/A	Dravo	63-SI-216	
N/A	Dravo	63-SI-217	
2-63-CKV-623	Westinghouse		
2-63-CKV-624	Westinghouse		
2-63-CKV-562	Westinghouse		
2-63-CKV-625	Westinghouse		
2-63-CKV-622	Westinghouse		
2-63-CKV-563	Westinghouse		
2-63-CKV-561	Westinghouse		
2-63-CKV-560	Westinghouse		
2-63-FCV-118	Westinghouse		
2-63-FCV-98	Westinghouse		
2-63-FCV-80	Westinghouse		
2-63-FCV-67	Westinghouse		
N/A	Dravo	63-SI-219	
N/A	Dravo	63-SI-220	
N/A	Dravo	63-SI-221	
2-63-CKV-502	Westinghouse		
N/A	Dravo	63-SI-250	
N/A	Dravo	63-SI-251	
N/A	Dravo	63-SI-252	
N/A	Dravo	63-SI-253	
2-63-FCV-1	Westinghouse		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 063-SAFETY INJECTION SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	Dravo	63-SI-116	
N/A	Dravo	63-SI-117	
N/A	Dravo	63-SI-118	
N/A	Dravo	63-SI-119	
N/A	Dravo	63-SI-120	
N/A	Dravo	63-SI-121	
N/A	Dravo	63-SI-122	
N/A	Dravo	63-SI-123	
N/A	Dravo	63-SI-124	
N/A	Dravo	63-SI-125	
N/A	Dravo	63-SI-126	
N/A	Dravo	63-SI-127	
N/A	Dravo	63-SI-128	
N/A	Dravo	63-SI-129	
N/A	Dravo	63-SI-130	
N/A	Dravo	63-SI-131	<u>To Be Completed Later</u>
N/A	Dravo	63-SI-132	
N/A	Dravo	63-SI-133	
N/A	Dravo	63-SI-134	
N/A	Dravo	63-SI-135	
N/A	Dravo	63-SI-136	
N/A	Dravo	63-SI-137	
N/A	Dravo	63-SI-138	
N/A	Dravo	63-SI-139	
N/A	Dravo	63-SI-140	
N/A	Dravo	63-SI-141	
N/A	Dravo	63-SI-153	
N/A	Dravo	63-SI-154	
N/A	Dravo	63-SI-155	
N/A	Dravo	63-SI-156	
N/A	Dravo	63-SI-157	
N/A	Dravo	63-SI-158	
N/A	Dravo	63-SI-159	
N/A	Dravo	63-SI-143	
N/A	Dravo	63-SI-144	
N/A	Dravo	63-SI-145	
N/A	Dravo	63-SI-146	
N/A	Dravo	63-SI-147	
N/A	Dravo	63-SI-148	
N/A	Dravo	63-SI-149	
N/A	Dravo	63-SI-151	
N/A	Dravo	63-SI-161	
N/A	Dravo	63-SI-162	

NATIONAL BOARD NUMBERS

SYSTEM: 063-SAFETY INJECTION SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BO. NO.
N/A	Dravo 63-SI-77		
N/A	Dravo 63-SI-78		
N/A	Dravo 63-SI-79		
N/A	Dravo 63-SI-80		
N/A	Dravo 63-SI-81		
N/A	Dravo 63-SI-82		
N/A	Dravo 63-SI-83		
2-63-FCV-8	Westinghouse		
2-63-FCV-11	Westinghouse		
2-63-FCV-94	Westinghouse		
2-63-FCV-93	Westinghouse		
2-63-TV-513	Kerotest		
2-63-CKV-588	Kerotest		
2-63-CKV-586	Kerotest		
2-63-CKV-589	Kerotest		
2-63-CKV-587	Kerotest		
2-63-CKV-549	Kerotest		
2-63-CKV-543	Kerotest		
2-63-CKV-553	Kerotest		
2-63-CKV-547	Kerotest		
2-63-CKV-555	Kerotest		
2-63-CKV-551	Kerotest		
2-63-CKV-545	Kerotest		
2-63-CKV-557	Kerotest		
N/A	TVA 2-63-S-04-07		
N/A	TVA 2-63-S-04-08		
N/A	TVA 2-63-S-04-19		
N/A	TVA 2-63-S-04-19A		
N/A	TVA 2-63-S-04-19B		
N/A	TVA 2-63-S-04-20A		
N/A	TVA 2-63-S-04-21		
N/A	TVA 2-63-S-04-22		
N/A	TVA 2-63-S-05-05		
N/A	TVA 2-63-S-05-06		
N/A	TVA 2-63-S-05-07		
N/A	TVA 2-63-S-05-08		
N/A	TVA 2-63-S-05-09		
N/A	TVA 2-63-S-05-16		
N/A	TVA 2-63-S-06-01		
N/A	TVA 2-63-S-06-02		
N/A	TVA 2-63-S-06-03		
N/A	TVA 2-63-S-06-04		
N/A	TVA 2-63-S-06-05		
N/A	TVA 2-63-S-06-06		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 063-SAFETY INJECTION SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-63-THV-582	Borg-Warner		
2-63-THV-584	Borg-Warner		
2-63-THV-585	Borg-Warner		
2-63-THV-583	Borg-Warner		
Accum. #1	Delta Southern		
Accum. #2	Delta Southern		
Accum. #3	Delta Southern		
Accum. #4	Delta Southern		
2-63-CKV-581	Westinghouse		
SI PMP 2A-A	Pacific Pumps		
SI PMP 2B-B	Pacific Pumps		
2-63-CKV-559	Westinghouse		
2-63-CKV-635	Westinghouse		
2-63-CKV-632	Westinghouse		
2-63-CKV-633	Westinghouse		
2-63-CKV-634	Westinghouse		
2-63-CKV-558	Westinghouse		
N/A	Dravo 63-SI-37		
N/A	Dravo 63-SI-38		
N/A	Dravo 63-SI-39		
N/A	Dravo 63-SI-40		
N/A	Dravo 63-SI-41		
N/A	Dravo 63-SI-42		
N/A	Dravo 63-SI-43		
N/A	Dravo 63-SI-44		
N/A	Dravo 63-SI-45		
N/A	Dravo 63-SI-56		
N/A	Dravo 63-SI-57		
N/A	Dravo 63-SI-58		
N/A	Dravo 63-SI-59		
N/A	Dravo 63-SI-60		
N/A	Dravo 63-SI-61		
N/A	Dravo 63-SI-62		
N/A	Dravo 63-SI-63		
N/A	Dravo 63-SI-64		
N/A	Dravo 63-SI-65		
N/A	Dravo 63-SI-66		
N/A	Dravo 63-SI-67		
N/A	Dravo 63-SI-68		
N/A	Dravo 63-SI-69		
N/A	Dravo 63-SI-70		
N/A	Dravo 63-SI-71		
N/A	Dravo 63-SI-75		
N/A	Dravo 63-SI-76		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 068-REACTOR COOLANT SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-068-SGEN-SG1	Westinghouse		
2-068-SGEN-SG2	Westinghouse		
2-068-SGEN-SG3	Westinghouse		
2-068-SGEN-SG4	Westinghouse		
2-068-PRES-PR	Westinghouse		
2-068-ISV-519	Westinghouse		
2-068-ISV-530	Westinghouse		
2-068-ISV-514	Westinghouse		
2-068-ISV-508	Westinghouse		
2-068-ISV-541	Westinghouse		
2-068-ISV-536	Westinghouse		
2-068-ISV-525	Westinghouse		
2-068-ISV-547	Westinghouse		
2-068-FCV-332	Westinghouse		
2-068-FCV-333	Westinghouse		
2-068-PCV-340B	Fisher		<u>To Be Completed Later</u>
2-068-PCV-340D	Fisher		
2-068-PCV-334	Fisher		
2-068-PCV-340A	Fisher		
2-068-PMP-8	ESCO (for W)		
2-068-PMP-31	ESCO (for W)		
2-068-PMP-50	ESCO (for W)		
2-068-PMP-73	ESCO (for W)		
N/A	Dravo 68-RC-04		
N/A	Dravo 68-RC-05		
N/A	Dravo 68-RC-06		
N/A	Dravo 68-RC-07		
N/A	Dravo 68-RC-08		
N/A	Dravo 68-RC-09		
N/A	Dravo 68-RC-10		
N/A	Dravo 68-RC-11		
N/A	Dravo 68-RC-12		
N/A	Dravo 68-RC-14		
N/A	Dravo 68-RC-15		
N/A	Dravo 68-RC-16		
N/A	Dravo 68-RC-17		
N/A	Dravo 68-RC-18		
N/A	Dravo 68-RC-19		
N/A	Dravo 68-RC-20		
N/A	Dravo 68-RC-21		
N/A	Dravo 68-RC-22		
N/A	Dravo 68-RC-23		
N/A	Dravo 68-RC-24		
N/A	Dravo 68-RC-25		

NATIONAL BOARD NUMBERS

SYSTEM: 063-SAFETY INJECTION SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	TVA	2-63-S-06-07	
N/A	TVA	2-63-S-06-12	
N/A	TVA	2-63-S-06-13	
N/A	TVA	2-63-S-09-12	
N/A	TVA	2-63-S-09-24	
N/A	TVA	2-63-S-09-26	
N/A	TVA	2-63-S-09-27	
N/A	TVA	2-63-S-09-28	
N/A	TVA	2-63-S-09-29	
N/A	TVA	2-63-S-09-30	
N/A	TVA	2-63-S-09-31	
N/A	TVA	2-63-S-09-32	
N/A	TVA	2-63-S-09-33	
2-63-FCV-72	Westinghouse		
2-63-FCV-73	Westinghouse		
2-63-FCV-172	Westinghouse		
2-63-FCV-640	Westinghouse		
2-63-FCV-641	Westinghouse		
2-63-FCV-643	Westinghouse		
2-63-FCV-644	Westinghouse		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 068-REACTOR COOLANT SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	TVA 2-68-5-01-004		
N/A	TVA 2-68-5-02-004		
N/A	TVA 2-68-5-02-005		
N/A	TVA 2-68-5-02-006		
N/A	TVA 2-68-5-02-007		
N/A	TVA 2-68-5-02-011		
N/A	TVA 2-68-5-02-012		
N/A	TVA 2-68-5-02-013		
N/A	TVA 2-68-5-02-014		
N/A	TVA 2-68-5-02-020		
N/A	TVA 2-68-5-02-021		
N/A	TVA 2-68-5-02-022		
N/A	TVA 2-68-5-02-024		
N/A	TVA 2-68-5-02-028		
N/A	TVA 2-68-5-02-029		
N/A	TVA 2-68-5-02-030		
N/A	TVA 2-68-5-02-032		
N/A	TVA 2-68-5-02-036		
N/A	TVA 2-68-5-02-037		
N/A	TVA 2-68-5-02-038		
N/A	TVA 2-68-5-02-039		
N/A	TVA 2-68-5-02-043		
N/A	TVA 2-68-5-02-044		
N/A	TVA 2-68-5-02-045		
N/A	TVA 2-68-5-02-050		
N/A	TVA 2-68-5-02-051		
N/A	TVA 2-68-5-02-052		
N/A	TVA 2-68-5-02-053		
N/A	TVA 2-68-5-02-057		
N/A	TVA 2-68-5-02-058		
N/A	TVA 2-68-5-02-059		
N/A	TVA 2-68-5-02-060		
N/A	TVA 2-68-5-03-002		
N/A	TVA 2-68-5-03-004		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 068-REACTOR COOLANT SYSTEM

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
N/A	Dravo 68-RC-27		
N/A	Dravo 68-RC-28		
N/A	Dravo 68-RC-29		
N/A	Dravo 68-RC-30		
N/A	Dravo 68-RC-31		
N/A	Dravo 68-RC-32		
N/A	Dravo 68-RC-33		
N/A	Dravo 68-RC-34		
N/A	Dravo 68-RC-35		
N/A	Dravo 68-RC-36		
2-68-ISV-515	Kerotest		
2-68-DRV-582	Kerotest		
2-68-ISV-520	Kerotest		
2-68-ISV-535	Kerotest		
2-68-ISV-524	Kerotest		
2-68-DRV-553	Kerotest		
2-68-ISV-509	Kerotest		
2-68-DRV-550	Kerotest		
2-68-DRV-549	Kerotest		
2-68-ISV-513	Kerotest		
2-68-ISV-505	Kerotest		
2-68-ISV-526	Kerotest		
2-68-ISV-531	Kerotest		
2-68-ISV-542	Kerotest		
2-68-ISV-543	Kerotest		
2-68-ISV-537	Kerotest		
2-68-ISV-510	Kerotest		
2-68-ISV-521	Kerotest		
2-68-DRV-581	Kerotest		
2-68-DRV-554	Kerotest		
2-68-ISV-504	Kerotest		
2-68-ISV-532	Kerotest		
2-68-ISV-516	Kerotest		
2-68-DRV-558	Kerotest		
2-68-DRV-557	Kerotest		
2-68-ISV-546	Kerotest		
2-68-ISV-538	Kerotest		
2-68-ISV-527	Kerotest		
2-68-RFV-563	Crosby		
2-68-RFV-564	Crosby		
2-68-RFV-565	Crosby		
N/A	TVA 2-68-5-01-001		
N/A	TVA 2-68-5-01-002		
N/A	TVA 2-68-5-01-003		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 074-RESIDUAL HEAT REMOVAL

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. N.
2-074-HTX-01/1A	Eng & Fab, Inc.		
2-074-HTX-01/1B	Eng & Fab, Inc.		
	Dravo 74-RHR-006		
	Dravo 74-RHR-007		
	Dravo 74-RHR-008		
	Dravo 74-RHR-009		
	Dravo 74-RHR-010		
	Dravo 74-RHR-011		
	Dravo 74-RHR-012		
	Dravo 74-RHR-013		
	Dravo 74-RHR-014		
	Dravo 74-RHR-015		
	Dravo 74-RHR-016		
	Dravo 74-RHR-017		
	Dravo 74-RHR-018		
	Dravo 74-RHR-019		
	Dravo 74-RHR-020		
	Dravo 74-RHR-021		
	Dravo 74-RHR-022		
	Dravo 74-RHR-023		
	Dravo 74-RHR-024		
	Dravo 74-RHR-025		
	Dravo 74-RHR-026		
	Dravo 74-RHR-027		
	Dravo 74-RHR-028		
	Dravo 74-RHR-029		
	Dravo 74-RHR-030		
	Dravo 74-RHR-031		
	Dravo 74-RHR-032		
	Dravo 74-RHR-033		
	Dravo 74-RHR-034		
	Dravo 74-RHR-035		
	Dravo 74-RHR-036		
	Dravo 74-RHR-037		
	Dravo 74-RHR-038		
	Dravo 74-RHR-039		
	Dravo 74-RHR-040		
	Dravo 74-RHR-041		
	Dravo 74-RHR-042		
	Dravo 74-RHR-043		
	Dravo 74-RHR-044		
	Dravo 74-RHR-045		
	Dravo 74-RHR-046		
	Dravo 74-RHR-047		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 072-CONTAINMENT SPRAY

<u>TVA COMP. ID</u>	<u>MANUFACTURER</u>	<u>S/N</u>	<u>NAT. BD. NO.</u>
2-72-FCV-040	Westinghouse	<u>To Be Completed Later</u>	
2-72-FCV-041	Westinghouse		

NATIONAL BOARD NUMBERS

SYSTEM: 074-RESIDUAL HEAT REMOVAL

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-74-PMP-10-A	Ingersoll Rand		
2-74-PMP-20-B	Ingersoll Rand		
2-74-FCV-9	Westinghouse		
2-74-FCV-8	Westinghouse		
2-74-FCV-3	Westinghouse		
2-74-FCV-21	Westinghouse		
2-74-FCV-2	Westinghouse		
2-74-FCV-1	Westinghouse		
2-74-CKV-514	Westinghouse		
2-74-CKV-515	Westinghouse		
2-74-HCV-34	Westinghouse		
2-74-ISV-525	Westinghouse		
2-74-ISV-524	Westinghouse		
2-74-HCV-037	Westinghouse		
2-74-HCV-036	Westinghouse		
2-74-ISV-521	Westinghouse		
2-74-ISV-520	Westinghouse		
2-74-FCV-35	Westinghouse		
2-74-FCV-33	Westinghouse		
2-74-FCV-16	Westinghouse		
2-74-FCV-32	Westinghouse		
2-74-FCV-28	Westinghouse		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 074-RESIDUAL HEAT REMOVAL

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
	Dravo	74-RHR-048	
	Dravo	74-RHR-049	
	Dravo	74-RHR-050	
	Dravo	74-RHR-051	
	Dravo	74-RHR-052	
	Dravo	74-RHR-053	
	Dravo	74-RHR-054	
	Dravo	74-RHR-055	
	Dravo	74-RHR-064	
	Dravo	74-RHR-065	
	Dravo	74-RHR-066	
	Dravo	74-RHR-067	
	Dravo	74-RHR-068	
	Dravo	74-RHR-069	
	Dravo	74-RHR-070	
	Dravo	74-RHR-071	
	Dravo	74-RHR-072	
	Dravo	74-RHR-073	
	Dravo	74-RHR-074	
	Dravo	74-RHR-075	
	Dravo	74-RHR-076	
	Dravo	74-RHR-077	
	Dravo	74-RHR-078	
	Dravo	74-RHR-079	
	Dravo	74-RHR-080	
	Dravo	74-RHR-081	
	Dravo	74-RHR-082	
	Dravo	74-RHR-083	
	Dravo	74-RHR-084	
	Dravo	74-RHR-085	
	Dravo	74-RHR-086	
	Dravo	74-RHR-087	
	Dravo	74-RHR-088	
	Dravo	74-RHR-089	
	Dravo	74-RHR-090	
	Dravo	74-RHR-091	
	Dravo	74-RHR-092	
	Dravo	74-RHR-093	
	Dravo	74-RHR-094	
	Dravo	74-RHR-095	
	Dravo	74-RHR-096	
	Dravo	74-RHR-097	
	Dravo	74-RHR-099	
	Dravo	74-RHR-102	

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 085-CONTROL ROD DRIVE MECH.

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-085-W001-H12	Westinghouse		
2-085-W001-D12	Westinghouse		
2-085-W001-L3	Westinghouse		
2-085-W001-H14	Westinghouse		
2-085-W001-J13	Westinghouse		
2-085-W001-K10	Westinghouse		
2-085-W001-H6	Westinghouse		
2-085-W001-P4	Westinghouse		
2-085-W001-F8	Westinghouse		
2-085-W001-C11	Westinghouse		
2-085-W001-M12	Westinghouse		
2-085-W001-M2	Westinghouse		
2-085-W001-C9	Westinghouse		
2-085-W001-E5A	Westinghouse		
2-085-W001-L5A	Westinghouse		
2-085-W001-L11A	Westinghouse		
2-085-W001-E11A	Westinghouse		
2-085-W001-M6	Royal		
2-085-W001-F12	Royal		
2-085-W001-M10	Royal		
2-085-W001-D10	Royal		
2-085-W001-D6	Royal		
2-085-W001-K4	Royal		
2-085-W001-F4	Royal		
2-085-W001-K12	Royal		

To Be Completed Later

NATIONAL BOARD NUMBERS

SYSTEM: 085-CONTROL ROD DRIVE MECH.

TVA COMP. ID	MANUFACTURER	S/N	NAT. BD. NO.
2-085-W001-H8	Westinghouse		
2-085-W001-E5	Westinghouse		
2-085-W001-K6	Westinghouse		
2-085-W001-E11	Westinghouse		
2-085-W001-N5	Westinghouse		
2-085-W001-L11	Westinghouse		
2-085-W001-E12	Westinghouse		
2-085-W001-L5	Westinghouse		
2-085-W001-B10	Westinghouse		
2-085-W001-B8	Westinghouse		
2-085-W001-H2	Westinghouse		
2-085-W001-E3	Westinghouse		
2-085-W001-F2	Westinghouse		
2-085-W001-D2	Westinghouse		
2-085-W001-G3	Westinghouse		
2-085-W001-B12	Westinghouse		
2-085-W001-B6	Westinghouse		
2-085-W001-M4	Westinghouse		
2-085-W001-P10	Westinghouse		
2-085-W001-N9	Westinghouse		
2-085-W001-P8	Westinghouse		
2-085-W001-N7	Westinghouse		
2-085-W001-C5	Westinghouse		
2-085-W001-F14	Westinghouse		
2-085-W001-B4	Westinghouse		
2-085-W001-G13	Westinghouse		
2-085-W001-D4	Westinghouse		
2-085-W001-P6	Westinghouse		
2-085-W001-K14	Westinghouse		
2-085-W001-F10	Westinghouse		
2-085-W001-H10	Westinghouse		
2-085-W001-K8	Westinghouse		
2-085-W001-C7	Westinghouse		
2-085-W001-P12	Westinghouse		
2-085-W001-D14	Westinghouse		
2-085-W001-H4	Westinghouse		
2-085-W001-L13	Westinghouse		
2-085-W001-D8	Westinghouse		
2-085-W001-M14	Westinghouse		
2-085-W001-N11	Westinghouse		
2-085-W001-F6	Westinghouse		
2-085-W001-K2	Westinghouse		
2-085-W001-J3	Westinghouse		
2-085-W001-M8	Westinghouse		

To Be Completed Later

APPENDIX G

NOTIFICATION OF INDICATION (NOI) TRENDING

Prior to closure of the WBN Unit 1 PSI Program, the NOIs generated during the preservice examinations shall be trended to evaluate for any generic manufacturing/installation indications. The NOIs used for trending shall be the NOIs written on unacceptable indications of components within the scope of ASME Section XI and which are part of the initial preservice examinations. NOIs that are deemed acceptable for use due to some "other" information shall not be utilized for trending. The PRISIM data will be utilized to trend the NOIs.

The following steps are to be used for trending of the NOIs.

- (1) Obtain from NDE Data Management a sort of the NOIs by indication type. The indication type listing is given in Table 1 of this appendix. This listing may not be all inclusive.
- (2) The NOIs should then be grouped in families of components by size, design, system, and code class.
- (3) Within each family of components, a potential adverse trend should be established with a minimum of four NOIs of indication type A in Table 1 and with a minimum of six NOIs of indication type B in Table 1.
- (4) The potential adverse trend deficiencies shall be reviewed to determine if it is an adverse trend.
- (5) If it is determined an adverse trend exists, a CAQR shall be written in accordance with AI-2.8.14.
- (6) The results of this review shall be documented and included in the PSI report.

APPENDIX F

FIELD CORRECTED DRAWING(S) TRANSMITTAL

TO: NDE Section XI Programs,
NQA, Chattanooga

Transmittal Number: _____
(Year) (Sequential)

Plant: WBN

Unit/Outage or Date: _____

The drawing(s) listed below from TI-50B have been field marked with variations in configuration which were discovered during the course of inservice or preservice examinations. Please revise the controlled copy of this/these drawing(s) in the TI prior to the next refueling outage.

- | | |
|----------|-----------|
| 1. _____ | 7. _____ |
| 2. _____ | 8. _____ |
| 3. _____ | 9. _____ |
| 4. _____ | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Signature of Examiner/Date _____

Signature of Field Supervisor _____

APPENDIX G

TABLE 1

Indication Type A

- Cracked Welds
- Flaw Indications Evaluation as Acceptable For Use
- Abnormal Wear
- Abnormal Corrosion
- Abnormal Erosion
- Missing Pressure Retaining Parts
- Abnormally Bent Rods/Parts
- Indications Requiring Weld Repair

Indication Type B

- Missing Lockwire
- Broken Lockwire
- Loose Nuts
- Out of Range
- Lack of Freedom of Motion
- Surface Corrosion
- Missing Parts