

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

April 18, 1983

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

By my letter to you dated September 29, 1982, in response to NRC
Q 121.22 for Watts Bar Nuclear Plant, TVA committed to provide a listing of
welds for which relief would be requested.

Enclosed is the listing of welds to date for which relief is being
requested and that have had examination reports reviewed. This list will
be periodically updated and incorporated into the Preservice Inspection
Program, Technical Instruction 50A, as Request for Relief ISI-4.

Upon completion of the preservice inspection, a complete listing of all
welds with noncode scans will be included in the request for relief. We
expect to submit the listing with the preservice inspection summary report
which will be submitted before commercial operation.

In addition to the visual examinations performed during the system
construction hydrostatic pressure tests, construction radiographs will be
considered part of the preservice. Also, surface examinations will be
performed on accessible areas of the welds and ultrasonic examinations will
be performed to the extent practical.

If you have any questions concerning this matter, please get in touch with
D. P. Ormsby at FTS 858-2682.

Very truly yours,
TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 18th day of April 1983

Bryant M. Lowery
Notary Public
My Commission Expires 4/8/86

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cc: See page 2

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PDR ADDCK 05000390
PDR
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Director of Nuclear Reactor Regulation April 18, 1983

Enclosure

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
RHRF-D047-4	CF	CHM-2636-C 2 of 8	E/T	4/2:00-4:00, 8:00-10:00	No examination due to component geometry
RHRS-132	CF	CHM-2636-C 6 of 8	E/E	3/4:00-8:00 4/12:00-5:00	ELL intradoses prevents coupling from 4:00-5:00
RHRS-102	CF	CHM-2636-C 6 of 8	E/T	3/5:00-7:00 4/6:00-9:00	ELL intradoses prevent coupling from 6:00-7:00
RHRF-D053-5	BJ	CHM-2636-C 1 of 8	T/V	3/12:00-2:00 4/No scan from valve	No examinations due to component geometry
RHRF-D053-14	BJ	CHM-2636-C 1 of 8	E/V	3/6:00-9:00 4/No scan from valve	ELL intrados prevents coupling from 6:00-9:00
RHRF-D053-1	BJ	CHM-2636-C 1 of 8	R/T	3/No scan 4/No scan	No examination due to component geometry
RHRF-D053-12	BJ	CHM-2636-C 1 of 8	T/V	3/3:00-4:00 4/No scan from valve	No examination due to component geometry
RHRF-D053-4	BJ	CHM-2636-C 1 of 8	T/V	3/No scan from valve 4/8:00-10:00	No examination due to component geometry
RHRF-D051-12LS	CF	CHM-2636-C 6 of 8	E	9/No scan 10/No scan	ELL intrados prevents ultrasonic coupling
RHRS-132LS	CF	CHM-2636-C 6 of 8	E	9/No scan 10/No scan	ELL intradoses prevents ultrasonic coupling
SIS-40-LS	CF	CHM-2758-C 3 of 13	E	9/No scan 10/No scan	ELL intrados prevents ultrasonic coupling
SIS-13-LS	CF	CHM-2758-C 2 of 13	E	9/No scan 10/No scan	ELL intrados prevents ultrasonic coupling

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
SIS-3-LS	CF	CHM-2758-C 1 of 13	E	9/No scan 10/No scan	ELL intrados prevents ultrasonic coupling
SIF-D091-4	BJ	CHM-2758-C 9 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D090-5	BJ	CHM-2758-C 8 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
SIF-D089-6	BJ	CHM-2758-C 7 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
SIF-D089-7	BJ	CHM-2758-C 7 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D092-7	BJ	CHM-2758-C 10 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D091-6	BJ	CHM-2758-C 9 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0043-6	BJ	ISI-0004-C 4 of 5	V/F	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0043-5	BJ	ISI-0004-C 4 of 5	V/F	3/No scan 4/No scan	No examination due to component geometry
CVCF-D00036-1	BJ	ISI-0005-C 1 of 1	P/P	3/3:00-9:00 4/4:00-6:00	No examination due to component geometry
UHIF-D0040-13	BJ	ISI-0004-C 1 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0041-7	BJ	ISI-0004-C 2 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
SIS-3-LS	CF	CHM-2758-C 1 of 13	E	9/No scan 10/No scan	ELL intrados prevents ultrasonic coupling
SIF-D091-4	BJ	CHM-2758-C 9 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D090-5	BJ	CHM-2758-C 8 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
SIF-D089-6	BJ	CHM-2758-C 7 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
SIF-D089-7	BJ	CHM-2758-C 7 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D092-7	BJ	CHM-2758-C 10 of 13	E/V	3/5:00-8:00 4/No scan from valve	ELL intrados prevents coupling from 5:00-8:00
SIF-D091-6	BJ	CHM-2758-C 9 of 13	V/T	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0043-6	BJ	ISI-0004-C 4 of 5	V/F	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0043-5	BJ	ISI-0004-C 4 of 5	V/F	3/No scan 4/No scan	No examination due to component geometry
CVCF-D00036-1	BJ	ISI-0005-C 1 of 1	P/P	3/3:00-9:00 4/4:00-6:00	No examination due to component geometry
UHIF-D0040-13	BJ	ISI-0004-C 1 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0041-7	BJ	ISI-0004-C 2 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
UHIF-D0042-13	BJ	ISI-0004-C 3 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry
UHIF-D0043-7	BJ	ISI-0004-C 4 of 5	R/F	3/No scan 4/No scan	No examination due to component geometry
SIF-D090-6	BJ	CHM-2758-C 8 of 13	P/V	3/No Scan 4/2:00-5:00	No examination due to component geometry
RCF-D234-3	BJ	ISI-0017-C 4 of 1	E/V	3/No scan 4/5:00-7:00	ELL intrados prevents coupling from 5:00-7:00
RCF-D236-4	BJ	ISI-0017-C 5 of 11	E/V	3/5:00-7:00 4/No scan	ELL intrados prevents coupling from 5:00-7:00
RCF-D232-2	BJ	ISI-0017-C 1 of 11	V/R	3/No scan 4/No scan 5/No base metal exam 6/No base metal exam	No examination due to component geometry
MSF-D001-1	CG	CHM-2669-C 1 of 4	E/P	3/No scan 4/ 1/2 VEE path exam	No examination due to component geometry
MSF-D006-15	CG	CHM-2669-C 1 of 4	V/P	3/No scan 4/No scan	No examination due to component geometry
FWF-D372-8	CG	CHM-2671-C 6 of 8	R/R	3/No scan 4/No scan	No examination due to component geometry
UHS-66	CF	ISI-0004-C 5 of 5	P/F	3/No scan 4/12:00-3:00	No examination due to component geometry

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
FWF-D001-6	CG	CHM-2671-C 1 of 8	E/V	3/11:00-1:00, 2:00-4:00, 5:00-7:00 4/No scan 5/See scan 3 limits 6/See scan 3 limits	No examination due to component geometry and permanent support
FWS-41	CG	CHM-2671-C 4 of 8	R/P	4/3:00-5:00 5/3:00-5:00 6/3:00-5:00	No examination due to permanent support

- NOTES:
1. LS following seam number indicates longitudinal seam.
 2. Categories determined per ASME XI 74S75.
 3. P = Pipe, V = Valve, E = ELL, T = TEE, R = Reducer, and F = Flange.
 4. Scans 3 and 4 are perpendicular to circumferential welds.
Scans 5 and 6 are parallel to circumferential welds.
Scans 7 and 8 are perpendicular to longitudinal welds.
Scans 9 and 10 are parallel to longitudinal welds.
 5. Limitations are expressed in o'clock references. In general, the exact limitation is noted rather than a percentage of the required examinations.
 6. Examinations conducted from one side of the weld provide full coverage within the variable limits of weld penetrability and opposite surface condition.

Weld Number ¹	Code Category ²	Drawing Number	Physical Configuration ³	Scan ⁴ /Limitation ⁵	Remarks ⁶
FWF-DO01-6	CG	CHM-2671-C 1 of 8	E/V	3/11:00-1:00, 2:00-4:00, 5:00-7:00 4/No scan 5/See scan 3 limits 6/See scan 3 limits	No examination due to component geometry and permanent support
MS-41	CG	CHM-2671-C 4 of 8	R/P	4/3:00-5:00 5/3:00-5:00 6/3:00-5:00	No examination due to permanent support

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