

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

June 7, 1984

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

Reference: Letter dated May 31, 1984 from T. M. Novak to H. G. Parris.

In the referenced letter, the NRC specified that two of the eight main feedwater isolation valve (MFIV) wedges were considered unacceptable because the radiographic examination reader sheet was unavailable for MFIV serial number D66291, and the reader sheet indicated internal shrinkage for D66459.

Enclosed are the results of an examination conducted by TVA of the radiographs for the wedges in MFIVs 66291 and 66459. In addition, TVA has located and enclosed the radiographic examination reader sheet for MFIV D66291 which was previously unavailable.

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, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 7th day of June 1984

Notary Public
My Commission Expires 9-5-84

Enclosure

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

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PDR ADDCK 05000390
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ENCLOSURE

COMPLIANCE WITH GDC-51
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2

On May 11, 1984, TVA conducted an examination of the radiographs for the wedges in main feedwater isolation valves (MFIVs) D66291 and D66459. The inspection team was composed of personnel from TVA's Division of Engineering Design's Codes, Standards and Materials Section and included a certified level III examiner.

Based on TVA's review of the MFIV wedge radiographs for serial numbers D66291 and D66459, both wedges exceed the minimum radiographic acceptance standards as defined by ASME Section III and are acceptable for use in WBN units 1 and 2. The areas of internal shrink reported on the reader sheets proved to be only faintly visible and the inspection team believes several of the areas recorded as level 2 severity more closely resemble level 1 severity.

TVA, therefore, again reaffirms its previously stated position that all MFIV valves, including their wedges, are acceptable for use at a lowest service metal temperature of 40°F.



VALVE CASTINGS COMPANY
611 marion rd. columbus, ohio 43207

Value D 66291

RADIOGRAPHIC FILM SUBMITTAL REPORT

Customer DENCO Item BB Wedge
 Customer Order No. _____ Size 1/2" Series 600
 Valve Castings Company Order No. _____ Heat No. G745
 M.O. 37240-02A Specification IGRT

Film submitted to customer's representative 10/12/77
 (Date)

By R. DeJure 4R
 Valve Castings Company Representative
M. Z. [unclear] 4R 10/14/77

Disposition: Approved Rejected
 (State reason below)

By [Signature]
 Customer Representative

11/25/77
 (Date)

Remarks: _____

R.R.# 02485



VALVE CASTINGS COMPANY
511 marion rd. columbus, ohio 43207

M.O. 37240-02A

PAGE 1 OF 1

DATE 10/12/77

RADIOGRAPHIC INSPECTION REPORT

CUSTOMER: <u>DRAVO</u>	CONTRACT:	ITEM NO.:
SPECIFICATION: <u>16RT</u>	CUSTOMER DWG:	PC NO.:
PART: <u>16 600 RB WEDGE N 506525G</u>	HEAT NO: <u>6745</u>	
MATERIAL: <u>1003</u>	BETATRON 24 MEV CYCLOPS C	IRD-192 CO 60
ASTM: <u>R182 B280</u>	250-692-13	0900-003-9000
ACCEPTANCE STANDARDS:	250-1500-1	OTHER: <u>CL2</u>
PATTERN NO.:	FILM TYPE: <u>D4 D7</u>	SENSITIVITY: <u>2-2T</u>

FILM NO. OR VIEW	ACCEPT	REJECT	GAS AND BLOWHOLES	SAND INCLUSIONS	INTERNAL SHRINKAGE	HOT TEARS	CRACKS	WELD		REMARKS	FILM READ BY (INITIAL)
								SLAG	POROSITY		
<u>R-1003</u>											
<u>R-11</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<u>R. S (I) LIZING LIZSHAK</u>	<u>RD</u>
<u>X-2</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						<u>S LIZING</u>	
<u>4-3</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						<u>F S LIZING</u>	
<u>2-3</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						<u>S LIZING</u>	<u>A</u>

VCD

VALVE CASTINGS COMPANY

FILM REVIEWER: R. Dulceto 4R 10/12/77

CUST. INSPECTOR: Frank Harrison 11/25/77 DATE

AUTH. INSPECTOR: R. Dulceto 4R SUPERVISOR RADIOGRAPHY

VCP R-103 9/75



VALVE CASTINGS COMPANY
611 marion rd. columbus, ohio 43207

RADIOGRAPHIC DATA SHEET

ITEM: 16" 600 BB Wedge

SKETCH MADE BY: RD
 SETUP MADE BY: RD/RK
 DATE: 6-18-77

ORIGINAL APPROVAL AND DATE

NEWS (INCLUDING MARKERS)	ENTIRE L-1 X-4	ENTIRE 1-R X-2	ENTIRE X-4 3	ENTIRE X-2 3
SOURCE TYPE	NIA	-	-	-
SOURCE SIZE	NIA	-	-	-
SOURCE CURIES	NIA	-	-	-
BETATRON (24 MEV)	NIA	-	-	-
FILM FOCAL DISTANCE	580R 9'	580R 9'	500R 9'	500R 9'
MATERIAL THICKNESS RADIOGRAPHED	4" - 7 1/2"	4" - 7 1/2"	4" - 7 1/2"	4" - 7 1/2"
PENETRATOR SIZE (ON PIECE)	170 90 ASTM 150 80	170 90 150 80	80 150 120	80 150 120
PENETRATOR SIZE (ON BLOCKS)	NIA	-	-	-
PENETRATOR BLOCK SIZE	NIA	-	-	-
PENETRATOR MATERIAL GROUP	GROUP 1 SS	-	-	-
FILM SIZE AND QUANTITY OF CASSETTES	14x17 1	14x17 1	14x17 1	14x17 1
FILM TYPE	D7-04-07	D7-04-07	D7-04-07	D7-04-07
SCREEN pb BACK	.040	-	-	-
SCREEN pb FRONT	.010	-	-	-
FILTERS	NIA	-	-	-

HEAT NO. 6745
 M.O. NO. 37240-02A
 PATTERN NO.
 MATERIAL: WC3

GENERAL NOTES



VALVE CASTINGS COMPANY
611 marion rd. columbus, ohio 43207

Radiographic Shooting Sketch

Item:

16" 600 BB WEDGE

Heat No.

Mo No:

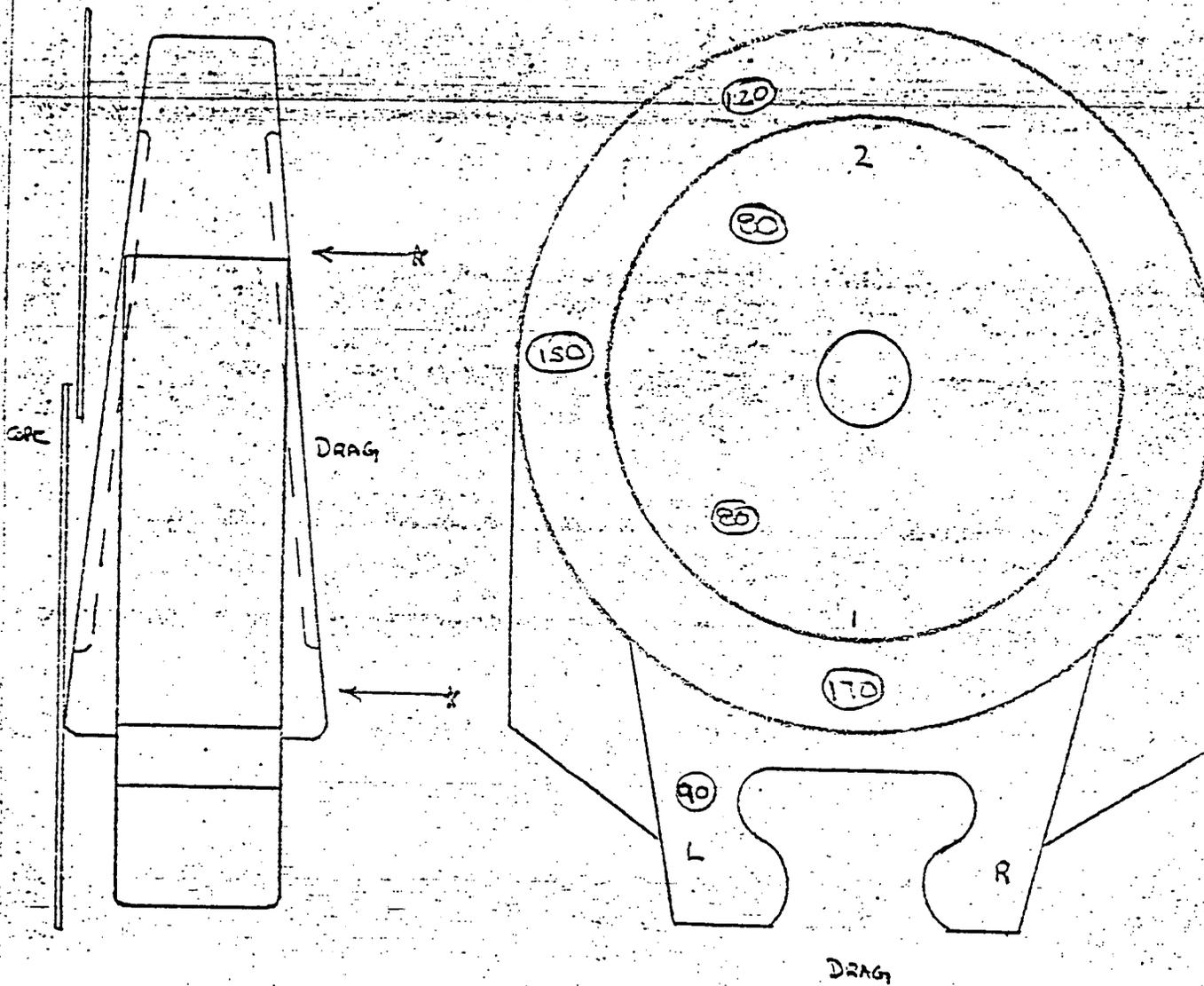
RSS No.

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of

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RADIOGRAPHIC REVIEW

ITEM 16" 600 BB WEDGE

DATE 12-17-77

CUSTOMER DRAVO

MO. NO. 37340-02A

PART NO. N5085-28G MTG 745

PATTERN NO. N/A

RADIOGRAPHIC REPORT NO 02485

PIECE NO N/A

THIS RADIOGRAPHIC FILM WAS REVIEWED + FOUND
 TO BE ACCEPTABLE BY THE WALWORTH-GREENSBURG
 RESIDENT Q. A. REPRESENTATIVE.

THIS COPY OF THE RADIOGRAPHIC REPORT
 HAS BEEN HIGHLIGHTED FOR CLARITY

W. F. L.
 WG-RQAR

RADIOGRAPHIC REVIEW

ITEM 16" OD RB WHEEL

DATE 12-17-55

CUSTOMER DARR

MO. NO. 3720-02A

PART NO. W575-22G HTG-745

PATTERN NO. N/A

RADIOGRAPHIC REPORT NO. 02185

PIECE NO. N/A

THIS RADIOGRAPHIC FILM WAS REVIEWED & FOUND
TO BE ACCEPTABLE BY THE WALKWORTH-GREENSBURG
RESIDENT Q. A. REPRESENTATIVE.

W. G. R. Q. A. R.
WG-RQAR