

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8612100500 DOC. DATE: 86/12/03 NOTARIZED: NO DOCKET #  
 FACIL: 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270  
 AUTH. NAME AUTHOR AFFILIATION  
 TUCKER, H. B. Duke Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125  
 STOLZ, J. F. PWR Project Directorate 6

SUBJECT: Requests relief from requirements of ASME Boiler & Pressure  
 Vessel Code Section XI re providing main steam to emergency  
 feedwater pump turbine. Exemption of Valve 2MS-84 from  
 hydrostatic pressure test requested.

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5  
 TITLE: OR Submittal: Inservice Inspection/Testing

NOTES: AEOD/Ornstein: 1cy. S. West, NRR: 1cy. 05000270

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PASTIS, H	1	1			

INTERNAL: ADM/LFMB	1	0	AEOD/PTB	1	1
ELD/HDS4	1	0	NRR/DSRG/EIB	1	1
NRR/TAMB	1	1	<u>REG FILE</u> 04	1	1
RGN2	1	1			

EXTERNAL: LPDR	03	1	1	NRC PDR	02	1	1
NSIC	05	1	1				

NOTES: 2 2

DUKE POWER COMPANY

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HAL B. TUCKER  
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NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

December 3, 1986

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: (Mr. John F. Stolz, Project Director  
PWR Project Directorate No. 6

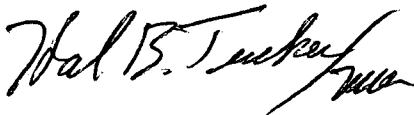
Subject: Oconee Nuclear Station, Unit 2  
Docket Nos. 50-270

Dear Mr. Denton:

Pursuant to 10 CFR 50, Part 50.55a, please find attached a request for relief from the requirements of Section XI of the ASME Boiler and Pressure Vessel Code (with Addenda through Winter 1980). This request is submitted due to the impracticality of hydrostatically testing specific welds as required by the Code following maintenance or modification. The attached request concerns the inservice inspection (hydrostatic) at Oconee Unit 2 being performed during the second ten year interval.

This request is considered to supplement the request made by my letter of September 13, 1984. As such, no additional license fees are required.

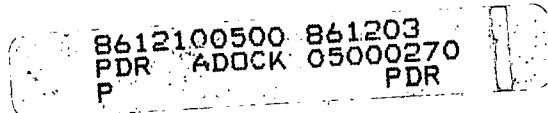
Very truly yours,



Hal B. Tucker

PJN/99/jgm

Attachment



A047  
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Mr. Harold R. Denton  
December 3, 1986  
Page 2

xc: Dr. J. Nelson Grace, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mrs. Helen Pastis  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. Heyward Shealy, Chief  
Bureau of Radiological Health  
South Carolina Department of Health &  
Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

Mr. J. C. Bryant  
NRC Resident Inspector  
Oconee Nuclear Station

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, Unit 2

I. Component for which Exemption is Requested:

- (a) Name and Number: Main Steam Power Operated Valve 2MS-84
- (b) Function: Provides main steam to the Emergency Feedwater Pump Turbine
- (c) ASME Section XI Code Class: 2
- (d) Valve Category: Gate Valve

II. Reference Code Requirement that has been determined to be impractical:

Paragraph IWC-5210 (a)(2), which states that the pressure retaining components within each system boundary shall be subjected to visual examination by the method specified in Table IWC-2500-1, Category C-H; and a system hydrostatic pressure test [IWA-5211(d)] for each system or portions of systems and for repaired or replaced components, or altered portions of systems.

III. Basis for Requesting Relief:

To perform the required hydrostatic test (on the two welds shown in the attached sketch) would require the filling of the Main Steam line with water, and would place additional cycles on the Steam Generator.

Therefore, Duke requests that valve 2MS-84 be considered exempt from the requirements of paragraph IWC-5210(a)(2).

IV. Alternate Examination:

- (a) The welds will be 100% radiographed.
- (b) The welds will also be inspected during the OTSG/MS line hydro as part of the Inservice Inspection Plan.

V. Implementation Schedule:

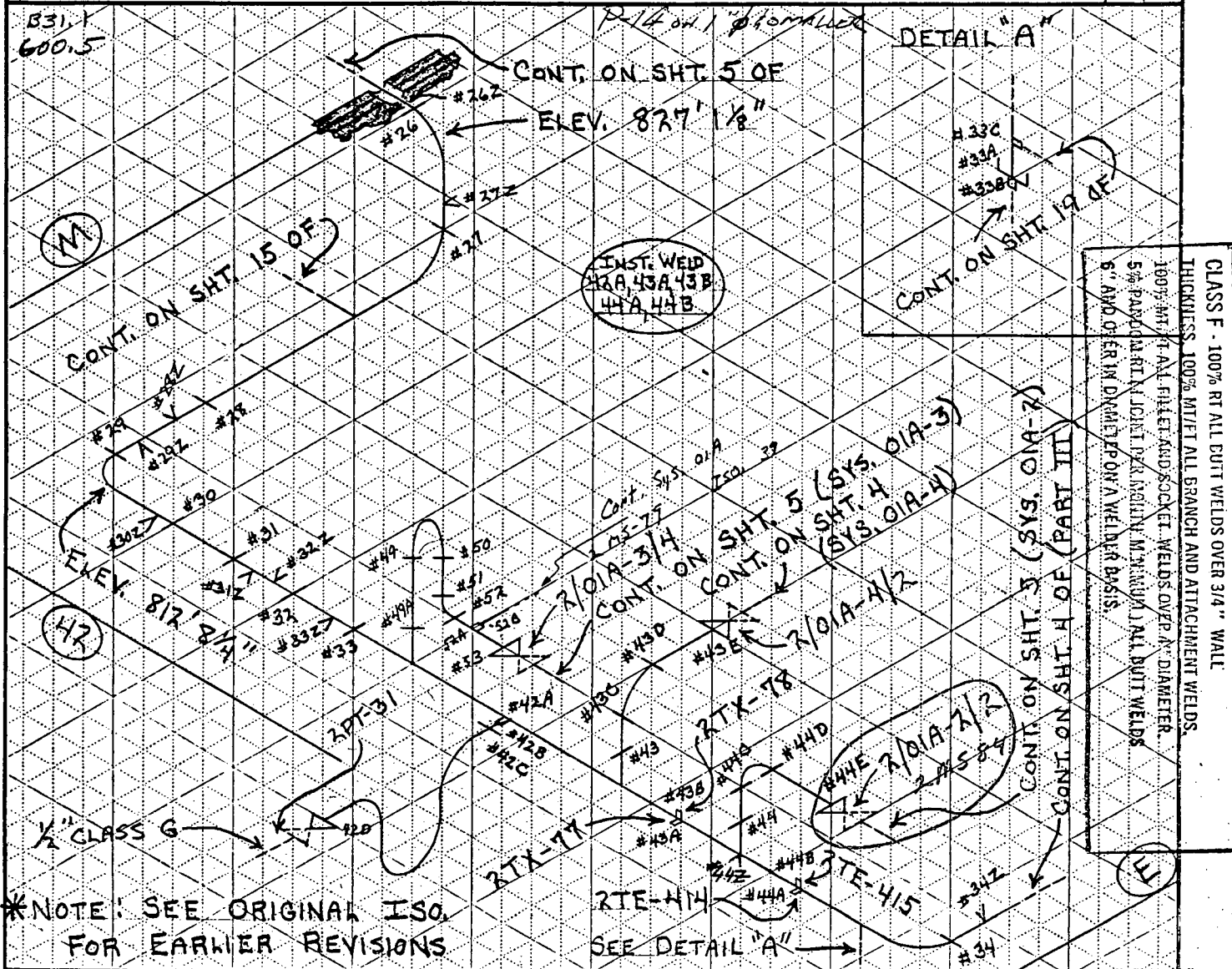
- (a) Radiograph will be performed prior to Unit 2 startup.
- (b) Hydrostatic testing will be performed during the 10 year Inservice Inspection.

JIGGS

DUKE POWER COMPANY  
CONSTRUCTION DEPARTMENT

MAINSTEAM "2B"

## ISOMETRIC SKETCH PART II OF III

PROJECT OCONEE SYSTEM OIA SUB SYSTEMS (1) UNIT 2TE ISO. NO. \* 4 REV. NO. 13  
CLASS F MATERIAL CFE WELDING PROCEDURE P-5/P-20 LAST WELD NO. \* 53 DATE 6/17/85

REF. DWG. NOS.		SIZE X WALL THICKNESS	WELD NUMBERS	NDT CODE	ISO. REV. NO.	CHANGES		ISO. REV. NO.	CHANGES	
DWG.	REV.					±	WELD NOS.	±	WELD NOS.	
1401 B	N/A	3/4" $\phi$ X .154"	52A, 52B	6						
1401 G		1" $\phi$ X .179"	42A, 42B	0				10	REFUNCH: 42A	
1403 D		1 1/2" $\phi$ X .625"	33B, 33C	6				10	43A, 43B, 44A, 44B	
1403 H		1 1/2" $\phi$ X .625"	43A, 43B, 44A, 44B	9				10	42B, 42C, 42D	
		6" $\phi$ X .432"	33A, 43, 43C-43E	9				10	RELOCATE: 28Z	
		8" $\phi$ X .500"	44, 44C-44E	9				10	31Z	
		12" $\phi$ X .562"	49-53, 49A	9				10	31Z	
		36" $\phi$ X 1.164"	26-34	5				11	21M + 52A, 52B	
		1/2" $\phi$ X .147"	42C, 42D	6				12	change NSM =	
OFO122A, 1			GAMMA PUGS: 26Z-34Z	6				13	44Z	
NSM 1714/20										
NSM 95102B										
NSM-161S		ATTACH.	44Z							

\*ALL WELD NUMBERS SHOWN ABOVE ARE PRECEDED BY THE ISO. NO. W.G.D.

TURNED OVER TO  
STEAM PRODUCTION

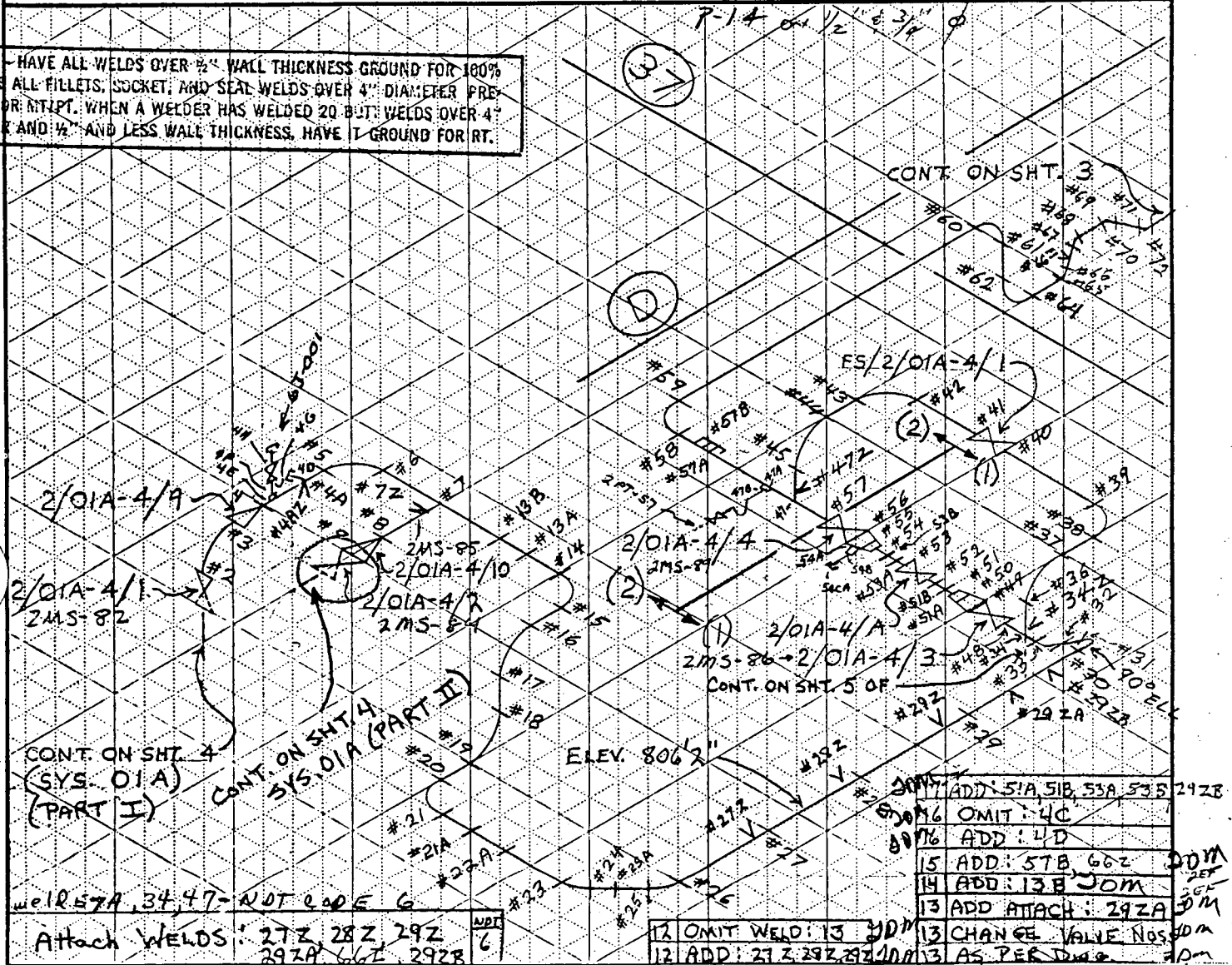
2/01A-4/2 2EE

JIGGS  
C. ALEXANDERDUKE POWER COMPANY  
CONSTRUCTION DEPARTMENT

## ISOMETRIC SKETCH

PROJECT OGONEE SYSTEM OIA-4 SUB SYSTEMS (1) (2) UNIT 2TB ISO. NO. \* 4 REV. NO. 22  
CLASS F MATERIAL CPE WELDING PROCEDURE P-3/P-5 LAST WELD NO. \* 72 DATE 9/28/83

CLASS F - HAVE ALL WELDS OVER 1/2" WALL THICKNESS GROUND FOR 100% RT. HAVE ALL FILLETS, SOCKET, AND SEAL WELDS OVER 4" DIAMETER PREPARED FOR NITPT. WHEN A WELDER HAS WELDED 20 BUTT WELDS OVER 4" DIAMETER AND 1/2" AND LESS WALL THICKNESS, HAVE IT GROUND FOR RT.



REF. DWG. NOS.	SIZE x WALL THICKNESS	WELD NUMBERS	ISO. REV. NO.	CHANGES		ISO. REV. NO.	CHANGES	
				±	WELD NOS.		±	WELD NOS.
1403 D	N/A	23, 24, 25A, 25	9	18	+ 21A			
PO122A-2	14-21, 4A, 4D	22A, 56, 21A	9	18	+ 25A			
	6" x .280"	57-62, 64-72	9	19	+ 4E-4H			
	3" x .113"	57A, 57B	0	20	+ 54B, 54C, 47A, 47B			
	3" x .147"	54A (54B, 54C, 47A, 47B "0")	6	21	- 54C			
	2" x .218"	3436-40, 51-54, 51A, 51B, 53A, 53B	0	22	+ 547A, 547B			
WR-51686C	4" x .337"	50, 55	0	22	- 547A, 547B			
NSM1005	2" x .154"	41-45, 47	0	22	+ 54CA			
(Reinforcements)	ATT. WELDS	12, 47Z, 34Z, 4AZ, 4B	6					

\*ALL WELD NUMBERS SHOWN ABOVE ARE PRECEDED BY D.L.O.

EPP  
DLA

THE ISO. NO.