

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8907130159 DOC. DATE: 89/06/22 NOTARIZED: NO DOCKET #
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. 05000269
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

AUTH. NAME AUTHOR AFFILIATION
 TUCKER, H.B. Duke Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

See drawing

SUBJECT: Forwards Request for Relief 89-05 from requirements of Section XI of ASME Boiler & Pressure Vessel Code.

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 9
 TITLE: OR Submittal: Inservice Inspection/Testing/Relief from ASME Code

NOTES:

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL	ID CODE/NAME		LTR	ENCL
	PD2-3 LA		1	0	PD2-3 PD		5	5
	WIENS, L		1	1				
INTERNAL:	ACRS		6	6	AEOD/DSP/TPAB		1	1
	NRR/DEST/MEB 9H		1	1	NRR/DEST/MTB 9H		1	1
	NUDOCS-ABSTRACT		1	1	OC/LEMB		1	0
	OGC/HDS2		1	0	<u>REG FILE</u> 01		1	1
	RES/DSIR/EIB		1	1				
EXTERNAL:	EG&G BROWN, B		1	1	EG&G ROCKHOLD, H		1	1
	LPDR		1	1	NRC PDR		1	1
	NSIC		1	1				

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 26 ENCL 23

MA-2

R
I
D
S
/
A
D
D
S

R
I
D
S
/
A
D
D
S

DUKE POWER COMPANY

P.O. BOX 33189

CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

June 22, 1989

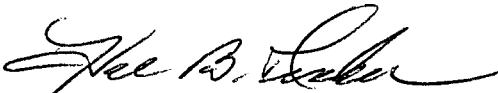
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
Second Ten Year Interval
Request for Relief No. 89-05

Gentlemen:

Pursuant to 10CFR 50, 50.55a, please find attached request for relief number 89-05 from the requirements of Section XI of the ASME Boiler and Pressure Vessel Code (with Addenda through Winter 1980). This request is being submitted due to the impracticality of pressure testing specific welds as required by the Code following repair. The attached request concerns the inservice inspection at Oconee Unit 2 being performed during the second ten year interval.

Very truly yours,



Hal B. Tucker

PJN/6/td

Attachment

A047
||

8907130159 890622
PDR ADOCK 05000269
Q PNU

Document Control Desk

June 22, 1989

Page 2

cc: W/O Diagrams

Mr. S. D. Ebnetter
Regional Administrator
U. S. Nuclear Regulatory
Commission - Region II
101 Marietta St. NW
Suite 2900 - Atlanta, GA 30323

Mr. L. A. Wiens
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Heyward Shealy, Chief
Bureau of Radiological Health
S. C. Department of Health and
Environmental Control
2600 Bull Street
Columbus, SC 29201

Mr. P. H. Skinner
NRC Resident Inspector
Oconee Nuclear Station

Duke Power Company
Oconee Nuclear Station
Second Ten Year Interval
Request for Relief No. 89-05

I. Component for which relief is requested:

- (a) Name and Number: Auxiliary Steam (AS) System welds for installing valve 2AS-39 (see attached flow diagram).
- (b) Function: 2AS-39 prevents backflow between the Main Steam and Auxiliary Steam Systems.
- (c) ISI Class/Duke Class: ISI Class C/Duke Class F
- (d) IWV-2200 Valve Category: C

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

ASME Boiler and Pressure Vessel Code Section XI, 1980 Edition (with Addenda through Winter 1980) paragraph IWA-4400(a), which states that after repairs by welding on the pressure retaining boundary, a system hydrostatic test shall be performed in accordance with IWA-5000.

III. Basis for requesting relief:

Hydrostatic testing would require filling of Auxiliary Steam System lines with water. Based on past experience the Auxiliary Steam header cannot be drained properly after being filled with water due to the lack of adequate low point drains in the system. Water left in the auxiliary steam header following the required hydrotest could potentially damage the emergency feedwater pump turbine.

IV. Alternate examination:

Welds will be 100% radiographed and a VT-2 inspection will be performed at operating temperature and pressure. In addition, the welds will be hydrostatically tested during the second ten year interval inservice inspection hydro of the main steam lines.

V. Evaluation of acceptability of proposed alternate testing with respect to the level of quality and safety as well as public health and safety:

The specified method of hydrostatic testing verifies that there are no leaks at 1.25 times the design pressure. The alternate examination of the 100% radiograph of welds assures that no significant flaws are evident in the welds. The VT-2 inspection indicates that no leaks are detectable when the system is at operating temperature and pressure. The alternate tests provide an equivalent method to indicate a leak at the higher stress level which is normally verified by the specified method of hydrostatic testing. As such, the proposed alternate examinations provide an acceptable level of quality and safety and will not endanger the health and safety of the public.

VI. Implementation Schedule:

The 100% radiograph will be performed during the Unit 2 End of Cycle 10 refueling outage. The VT-2 inspection will be performed during startup from the Unit 2 End of Cycle 10 refueling outage. Hydrostatic testing will be performed during the second ten year interval inservice inspection hydro of the main steam lines.

NOTE: ALL WELDS PRECEDED BY (3)

LAST WELD: "3-91"

JIGGS

CFE

SHEET 3

SYSTEM 01A-4(2)TB. UNIT #2 P.S. 300.4, B31.1 CLASS F

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 RT. WHEN A WELDER HAS WELDED 20 BUTT WELDS OVER 4" DIAMETER AND 1/2" AND LESS WALL THICKNESS, HAVE IT GROUND FOR RT.

16B, 6" X .280" OI
17A, 20A
2FA043-48, 51-52, 11A-11G
19-30, 32, 22K, 24, 24A, 25, 21A, 42, 3A
4-1B, 2A, 25, 25-24, 6" X .280
79, 80, 81
28, 2DA, 60-64, 74A, 75A, 76A, 1" X .133"
L-202 L-350 L-250
49, 24A, 2" X .154"
49A, 65-72, 77, 78, 3/4" X .113"

Welding Procedure - P-3, P-5A, P-5B, P-14, P-20, P-23

ATTACH WELDS: 1Z

11AZ, 20Z, 28Z

16Z, 24ZA (NDT 6)

ADDED WELDS	
1Z, 20A, 28Z	150 DM
21A, 3A, 60-78	150 DM
1Z, 11AZ, 20Z, 24Z	142 DM
28Z, 2DA, 74A	142 DM
75A, 76A	142 DM
W.P. - P-3, P-5A, P-5B, P-20, P-23	150 DM
49A	150 DM

*WELD PREVIOUSLY MADE AS CLASS G.

ISO. REV. NO.	CHANGES	ISO. REV. NO.	CHANGES
±	WELD NOS.	±	WELD NOS.
17	- 24Z		
18	+ 24ZA		
19	+ 16Z		
20	+ 16A		
21	+ 16B		
22	+ 79, 80		
23	- 31		
24	+ 50		
25	+ 81		
26	Rev. Configuration		

REF. DWG.: 1403 C, P-22A-2 FOR CONT. SEE DETAIL A

NSM-1371
NSM-114 AT 20
NSM-1805

NSM-2245
110-077020

TURNED OVER TO
STEAM PRODUCTION

REV 22 3/17/89