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Georgia Power

the southern electric system

W. A. Widner
Vice President and General Manager
Nuclear Division

November 3, 1980

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U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II - Suite 3100
101 Marietta Street, NW
Atlanta, Georgia 30303

REFERENCE:
RII: JPO
50-321/50-366
I&E Bulletin 80-08

ATTENTION: Mr. James P. O'Reilly

Gentlemen:

Inspection and Enforcement Bulletin 80-08, issued April 7, 1980, requested information concerning flued head type penetration connections. Georgia Power Company made a partial submittal of this information on August 5, 1980, and requested an extension on the remainder of the required information. We herein submit a revised and complete response to the referenced bulletin.

A review of containment boundary penetrations identified a number of the flued head design type penetrations. The enclosure to this letter contains a tabulation of these penetrations, the type of nondestructive examination employed, the type of weld joint and backing ring (including pipe material and size), and the results of the construction nondestructive examination. The Unit 2 penetrations were installed under the ASME Boiler and Pressure Vessel Code Section III, 1971 edition through the summer 1971 agenda. The Unit 1 process piping and flued heads were built to B31.7-1976 and the bellows to ASME Section III, 1968 edition through the summer 1968 agenda. Those penetrations which were not radiographed during acceptance testing will be reviewed to determine if a radiographic examination is physically possible. Those welds whose configuration allow meaningful radiographic examination will be scheduled for such an exam during the next refueling outage of their respective unit. The results of those examinations, and justifications for those cases where such an examination was not performed, will be submitted upon completion of a review by cognizant engineers.

This letter, with its enclosure, supersedes and replaces the interim August 5, 1980, report. If questions arise concerning this submittal please contact my office.

Very truly yours,

W. A. Widner

WEB/mb
Enclosure

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xc: Director of the Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Director of the Division of Operating Reactors, Office of
Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Director, Division of Reactor Construction Inspection
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

M. Manry

R. F. Rogers, III

EBWIN 1, HATCH NUCLEAR PLANT
I.C. BULLETIN 80-08

CONFINEMENT LINEAR PENETRATION WELDS

UNIT NO. 1

(FORM 80-08-1)

Sheet No. 1

NO.	PENETRATION			PROCESS PIPE			TYPE OF WELD	NON-DESTRUCTIVE EXAMINATION			REMARKS
	SIZE (NOMINAL)	WALL THICKNESS	TYPE & GRADE OF MATERIAL	WALL THICKNESS	PIPE MATERIAL			SPECIFIED	USED	RESULTS	
X-7A	42"	1.00	SA-516 GR-70 to SA-300	SCH 80	SA-106-CR B		BUTT WELD w/CARBON STL SACKING RING	P.T. 100%	P.T. 100%	ACCEPTED	
X-7B	42"	1.00								ACCEPTED	
X-7C	42"	1.00									
X-7D	42"	1.00									
X-8	16"	.500	SA-333 GR-1	SCH 160	CARBON STEEL A-106 CR B						
X-9A	32"	.75	SA-516 GR-70 to SA-300	SCH 120	CARBON STEEL A-106 CR B NORMALIZED						
X-9B	32"	.75		SCH 120							
X-10	16"	.500	SA-333 GR-1	SCH 80	CARBON STEEL A-106-CR B						
X-11	26"	.500	SA-516 GR-70 to SA-300	SCH 80							
X-12	36"	1.00		SCH 80							
X-13A	42"	1.00		SCH 100	CARBON STEEL A-106-CR B NORMALIZED			P.T. 100% R.T. 100%	P.T. 100% R.T. 100%		
X-13B	42"	1.00		SCH 100				P.T. 100% H.T. 100%	P.T. 100% H.T. 100%		

CONTAINMENT LINER PENETRATION WELDS

UNIT NO. 1

Sheet No. 2

[illegible]

EDWY 1, HATCH NUCLEAR PLANT
J.E. BULLETIN 80-08

CONTAINMENT LINER PENETRATION WELDS

(FORM 80-08-2)

UNIT NO. 2

Sheet No. 1

PENETRATION				PROCESS PIPE			TYPE OF WELD	NON-DESTRUCTIVE EXAMINATION				REMARKS
NO.	SIZE (NOMINAL)	WALL THICKNESS	TYPE & GRADE OF MATERIAL	PIPE SIZE (NOMINAL)	WALL THICKNESS	PIPE MATERIAL		SPECIFIED	USED	RESULTS		
X-7A	42"	1.00	SA-516 GR-70	24"	SCH 80	SA-106-GR B	BUTT WELD W/C.S. BACKING RING	P.T. 100% U.T. 100%	P.T. 100% U.T. 100%	P.T. & U.T. ACCEPTED		
X-17B	42"	1.00	SA-516 GR-70	24"								
X-7C	42"	1.00	SA-516 GR-70	24"								
X-7D	42"	1.00	SA-516 GR-70	24"								
X-8	16"	.500	SA-313 GR-A	3"	SCH 160	CARBON STL A-106-GR B						
X-9A	32"	.750	SA-516 GR-70	18"	SCH 120	CARBON STL A-106-GR B NORMALIZED						
X-9B	32"	.750	SA-516 GR-70	18"	SCH 120	CARBON STL A-106-GR B NORMALIZED						
X-10	18"	.500	SA-313 GR-70	4"	SCH 120	CARBON STL A-106-GR B			P.T. 100% R.T. 100%	P.T. & R.T. ACCEPTED		
X-11	26"	.500	SA-516 GR-70	10"	SCH 100	CARBON STL A-106-GR B			P.T. 100% U.T. 100%	P.T. & U.T. ACCEPTED		
X-12	36"	1.00	SA-516 GR-70	20"	SCH 100	CARBON STL SA-106-GR B						
X-13A	42"	1.00	SA-516 GR-70	24"	SCH 100	CARBON STL A-106-GR B						
X-13B	42"	1.00	SA-516 GR-70	24"	SCH 100	CARBON STL A-106-GR B						

CONTAINMENT LINER PENETRATION WELDS

Sheet No. 2

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