

Mailing Address
Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291
Telephone 205 783-6000

F. L. Clayton, Jr.
Senior Vice President
Flintridge Building



June 3, 1983

Docket No. 50-364

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. S. A. Varga

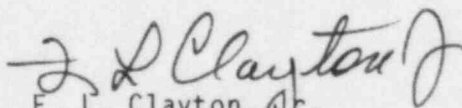
Joseph M. Farley Nuclear Plant - Unit 2
RCS Pressure Isolation Valve Leakage Results

Gentlemen:

By letters dated August 10, 1982 and December 23, 1982, Alabama Power Company requested that Unit 2 Technical Specification 3.4.7.2 concerning isolation valve leakage be modified from 1 gpm to 1 to 5 gpm with certain restrictions. By Amendment No. 20 to the Unit 2 Facility Operating License, the NRC granted temporary relief to the leakage criteria. The NRC Staff requested the results of initial and final leakage tests performed during the first refueling outage. This information, which has been provided informally, is hereby provided as an attachment to this letter.

If there are any questions, please contact us.

Yours very truly,


F. L. Clayton, Jr.

FLCJr/RLG:1sh-D35
Attachment

cc: Mr. R. A. Thomas
Mr. G. F. Trowbridge
Mr. J. P. O'Reilly
Mr. E. A. Reeves
Mr. W. H. Bradford
Dr. I. L. Myers

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FNPP-2 RCS PRESSURE ISOLATION VALVE TEST RESULTS

<u>Valve No.</u>	<u>Description</u>	<u>Pre-Op Leakage (GPM)</u>	<u>Allowable Leakage* (GPM)</u>	<u>1st Refueling Leakage, Shutdown (GPM)</u>	<u>1st Refueling Leakage, Startup (GPM)**</u>
Q2E11V001A	12" Gate	0.00	2.50	0.00	0.00
Q2E11V001B	12" Gate	0.00	2.50	0.00	0.00
Q2E11V016A	12" Gate	0.00	2.50	0.00	0.00
Q2E11V016B	12" Gate	0.00	2.50	0.00	0.00
Q2E11V021A	6" Check	0.00	2.50	0.00	0.00
Q2E11V021B	6" Check	0.00	2.50	0.00	0.00
Q2E11V021C	6" Check	0.00	2.50	0.00	0.00
Q2E11V042A	10" Check	0.00	2.50	0.00	0.00
Q2E11V042B	10" Check	0.00	2.50	0.00	0.00
Q2E11V051A	6" Check	0.00	2.50	Failed#	0.29
Q2E11V051B	6" Check	0.00	2.50	0.00	0.15
Q2E11V051C	6" Check	0.00	2.50	0.00	0.37
Q2E21V032A	12" Check	0.00	2.50	0.00	0.00
Q2E21V032B	12" Check	0.00	2.50	0.00	0.00
Q2E21V032C	12" Check	0.00	2.50	0.00	0.00
Q2E21V037A	12" Check	0.00	2.50	0.00	0.00
Q2E21V037B	12" Check	0.00	2.50	0.00	0.00
Q2E21V037C	12" Check	0.00	2.50	0.00	0.00
Q2E21V062A	2" Check	0.303	1.65	0.00	0.25
Q2E21V062B	2" Check			0.24	0.25
Q2E21V062C	2" Check			0.24	0.25
Q2E21V066A	2" Check	0.00	1.50	0.28	1.00
Q2E21V066B	2" Check	0.32	1.66	0.32	1.00
Q2E21V066C	2" Check	0.91	1.96	0.29	1.00
Q2E21V076A	6" Check	0.00	2.50	0.00	0.00

FNP-2 RCS PRESSURE ISOLATION VALVE TEST RESULTS

<u>Valve No.</u>	<u>Description</u>	<u>Pre-Op Leakage (GPM)</u>	<u>Allowable Leakage*(GPM)</u>	<u>1st Refueling Leakage, Shutdown (GPM)</u>	<u>1st Refueling Leakage, Startup (GPM)**</u>
Q2E21V076B	6" Check	0.00	2.50	0.00	0.00
Q2E21V077A	6" Check	0.00	2.50	0.37	0.15
Q2E21V077B	6" Check	0.00	2.50	0.30	0.15
Q2E21V077C	6" Check	0.00	2.50	0.00	0.55
Q2E21V078A	2" Check	0.00	1.50	0.00	1.00
Q2E21V078B	2" Check	0.45	1.72	0.00	1.00
Q2E21V078C	2" Check	0.69	1.84	0.00	1.00
Q2E21V079A	2" Check	0.00	1.50	0.00	0.60
Q2E21V079B	2" Check	0.45	1.72	0.00	0.90
Q2E21V079C	2" Check	0.76	1.88	0.00	0.15

* Allowable leakage based on 10-11-82 Technical Specification change request.

The leakage rate was not measurable due to apparent failure of the valve to seat.

** Official 1st refueling outage test results based on Technical Specification requirements.

ADDITIONAL DATA ON FNP-2 VALVE Q2E11V051A

Manufacturer: Velan
Design: 6", 1500#, Forged, Bolted Cover, Swing Check
Class: ASME Class 1
Valve Identification #: 6C88

Valve was disassembled and inspected during weekend of October 30-31. A definite cause of failure to seat properly was not found. It is speculated that loose corrosion products may have prevented valve closure at the reduced pressure used for testing. The valve was lapped as a precaution and reinstalled. The valve successfully passed the official leakage test performed during startup.