

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

JUL 3 1979

Director of Nuclear Reactor Regulation  
Attention: Mr. Thomas A. Ippolito, Chief  
Branch No. 3  
Division of Operating Reactors  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

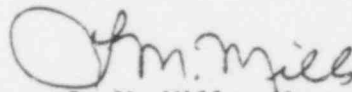
Dear Mr. Ippolito:

In the Matter of the	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260

Enclosed for your review are revisions to the proposed inservice pump and valve testing program for Browns Ferry Nuclear Plant units 1 and 2 submitted by letter from J. E. Gilleland to you dated April 16, 1979. Included is an additional request for relief from a requirement of the ASME Section XI code. Please complete your review of the Browns Ferry units 1 and 2 inservice pump and valve testing program as soon as practical. If we can be of any assistance in expediting your review, please let us know.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosures

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ENCLOSURE

BROWNS FERRY NUCLEAR PLANT UNITS 1 AND 2

(DOCKET NOS. 50-259 AND 50-260)

REVISIONS TO THE INSERVICE PUMP AND VALVE TESTING PROGRAM

1. Revised pages 1, 5, and 7 from listing of valves to be cycled.  
(These revisions add valves FCV 77-2A, 2B, 15A, and 15B; delete valves 1-55, 1-56, 68-1, and 68-77; and clarify the testing of valves FCV 74-46, 74-100, and 74-101.)
2. Request for Relief PV-16 added.

<u>SYSTEM</u>	<u>VALVE</u>	<u>CATEGORY</u>	<u>TEST FREQUENCY</u>	<u>TYPE OF TEST</u>
Main Steam	1-14	A	Q	Full Cycle
	1-15	A	Q	Full Cycle
	1-26	A	Q	Full Cycle
	1-27	A	Q	Full Cycle
	1-37	A	Q	Full Cycle
	1-38	A	Q	Full Cycle
	1-51	A	Q	Full Cycle
	1-52	A	Q	Full Cycle
*Main Steam (Relief Valves)	1-4	C	Operating Cycle	Meets IWV-3510
	1-5	C	Operating Cycle	Meets IWV-3510
	1-18	C	Operating Cycle	Meets IWV-3510
	1-19	C	Operating Cycle	Meets IWV-3510
	1-22	C	Operating Cycle	Meets IWV-3510
	1-23	C	Operating Cycle	Meets IWV-3510
	1-30	C	Operating Cycle	Meets IWV-3510
	1-31	C	Operating Cycle	Meets IWV-3510
	1-34	C	Operating Cycle	Meets IWV-3510
	1-41	C	Operating Cycle	Meets IWV-3510
	1-42	C	Operating Cycle	Meets IWV-3510
	1-501 (Unit 2 only)	C	Operating Cycle	Meets IWV-3510
	1-537 (Unit 2 only)	C	Operating Cycle	Meets IWV-3510
	1-179 (Unit 1 only)	C	Operating Cycle	Meets IWV-3510
	1-180 (Unit 1 only)	C	Operating Cycle	Meets IWV-3510
Feedwater (Check Valves)	3-554	AC	Cold Shutdown	Full Cycle
	3-558	AC	Cold Shutdown	Full Cycle
	3-568	AC	Cold Shutdown	Full Cycle
	3-572	AC	Cold Shutdown	Full Cycle
RHRSW	23-34	B	Q	Meets IWV-3410 (b) (1)
	23-40	B	Q	Meets IWV-3410 (b) (1)
	23-46	B	Q	Meets IWV-3410 (b) (1)
	23-52	B	Q	Meets IWV-3410 (b) (1)
	23-57	B	Q	Full Cycle
RHPSW (Check Valves)	23-502	C	Q	Full Cycle
	23-506	C	Q	Full Cycle
	23-522	C	Q	Full Cycle
	23-526	C	Q	Full Cycle
	23-542	C	Q	Full Cycle
	23-546	C	Q	Full Cycle
	23-561	C	Q	Full Cycle
	23-565	C	Q	Full Cycle
	23-579	C	Q	Full Cycle
	23-580	C	Q	Full Cycle
	23-581	C	Q	Full Cycle
	23-582	C	Q	Full Cycle
	23-591	C	Q	Full Cycle
	23-594	C	Q	Full Cycle
	23-597	C	Q	Full Cycle
	23-588	C	Q	Full Cycle

<u>SYSTEM</u>	<u>VALVE</u>	<u>CATEGORY</u>	<u>TEST FREQUENCY</u>	<u>TYPE OF TEST</u>
HPCI	73-592	E	-	None
	73-607	E	-	None
	73-593	E	-	None
	73-608	E	-	None
HPCI (Check Valves)	73-517	C	None	None
	73-603	AC	Q	Meets IWV-3520 (b)
	73-609	AC	Q	Meets IWV-3520 (b)
	73-633	C	Q	Meets IWV-3520 (b)
	73-634	C	Q	Meets IWV-3520 (b)
	73-635	C	Q	Meets IWV-3520 (b)
	73-636	C	Q	Meets IWV-3520 (b)
RHR	74-1	B	Q	Full Cycle
	74-2	B	Q	Full Cycle
	74-7	B	Q	Full Cycle
	74-12	B	Q	Full Cycle
	74-13	B	Q	Full Cycle
	74-24	B	Q	Full Cycle
	74-25	B	Q	Full Cycle
	74-30	B	Q	Full Cycle
	74-35	B	Q	Full Cycle
	74-36	B	Q	Full Cycle
	74-47	A	Cold Shutdown	Full Cycle
	74-48	A	Cold Shutdown	Full Cycle
	74-52	B	Q	Full Cycle
	74-53	A	Cold Shutdown	Full Cycle
	74-54	AC	Cold Shutdown	Full Cycle
	74-57	A	Q	Full Cycle
	74-58	A	Q	Full Cycle
	74-60	A	Q	Full Cycle
	74-61	A	Q	Full Cycle
	74-66	B	Q	Full Cycle
	74-67	A	Cold Shutdown	Full Cycle
	74-68	AC	Cold Shutdown	Full Cycle
	74-71	A	Q	Full Cycle
	74-72	A	Q	Full Cycle
	74-74	A	Q	Full Cycle
	74-75	A	Q	Full Cycle
	74-77	A	Cold Shutdown	Full Cycle
	74-78	A	Cold Shutdown	Full Cycle
	74-9	B	Q	Full Cycle
	74-9,	B	Q	Full Cycle
	74-100 (Unit 2 only)	B	Q	Full Cycle
	74-101	B	Q	Full Cycle
	74-98	B	Q	Full Cycle
	74-99	B	Q	Full Cycle

<u>SYSTEM</u>	<u>VALVE</u>	<u>CATEGORY</u>	<u>TEST FREQUENCY</u>	<u>TYPE OF TEST</u>
Core Spray (Locked Valves)	75-1	E	-	None
	75-8	E	-	None
	75-17	E	-	None
	75-18	E	-	None
	75-27	E	-	None
	75-29	E	-	None
	75-36	E	-	None
	75-38	E	-	None
	75-45	E	-	None
	75-46	E	-	None
	75-55	E	-	None
	75-10	E	-	None
Recirculation Loops	68-3	B	Cold Shutdown	Full Cycle
	68-79	B	Cold Shutdown	Full Cycle
CRD Hydraulic System	85-39A-(1-185)	B	10% of valves	Full Cycle
	85-39B-(1-185)	B	every 16 weeks, valves also cycle during any unit scram, all valves also tested each refueling outage	Full Cycle
Floor and Equipment Drains	77-2A	A	Q	Full Cycle
	77-2B	A	Q	Full Cycle
	77-15A	A	Q	Full Cycle
	77-15B	A	Q	Full Cycle

Request for Relief PV-16

- System - All systems.
- Test Requirement - Analysis of test data within 96 hours per IWP-3220.
- Basis for Relief - Due to the time involved in processing surveillance instructions to the reviewer and the possibility of weekends and/or holidays falling between running tests and completely reviewing the results, 96 hours is impractical.
- Alternate Testing - Pump parameters of flow rate and differential pressure will be reviewed immediately after the test to verify that they do not fall within the "Required Action Range" of Table IWP-3100-2. Complete analysis of test data will be performed within 4 working days of the test.