Docket No. 50-346

License No. NPF-3

Serial No. 953

June 2, 1983

TOLEDO EDISON

RICHARD P. CROUSE
Vice President
Nuclear
(419) 259-5221

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz
Operating Reactor Branch No. 4
Division of Operating Reactors
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

This letter is to transmit a revision to the Inservice Inspection Pump and Valve Program for the Davis-Besse Nuclear Power Station Unit No. 1, which was submitted by letter on May 15, 1980 (Serial No. 616). Please find attached five (5) copies of the revised pages of the Inservice Inspection Pump and Valve Program. The changes made in this revision reflect the results of the telephone conversation reviews between The Toledo Edison Company and the United States Nuclear Regulatory Commission Region III held on May 25 and 26, 1983.

As agreed to during the telephone conversations, Toledo Edison is submitting specific Relief Requests which needed revision. See Enclosure One (1) for a synopsis of the changes being made to the Program, Enclosure Two (2) for copies of the Relief Requests that were changed or added, and Enclosure Three (3) for copies of the specific changes to the Pump and Valve Test Program.

Any additions that become necessary, due to modifications and changes to this program during the course of the remainder of the 120 month interval, which do not meet the code testing requirements, will be implemented as needed. A fully documented notification to the NRC will be placed on the docket subsequent to the implementation of approved changes.

Very truly yours,

RPC:RFP:JDE:nlf
encl.
cc: DB-1 NRC Resident Inspector
Pete Wohld, NRC Region III

A047
1/1

SYNOPSIS OF CURRENT PROGRAM CHANGES

Section II - Valve Test Program

1. Relief Request Number 15: Rewritten in its entirety

2. Relief Request Number 21: Rewritten in its entirety

3. Relief Request Number 28: New interim request regarding high pressure injection check valve tests.

4. Relief Request Number 29: New interim request regarding service water check valve testing.

5. Editorial Deletions - Page II-56 Valve Test Program - Station Drainage System Dwg. No. 046
   delete: Valves DR41, DR42, DR35, DR36, DR48, DR47
   reason: Valves are not part of ASME Section XI IWD or IWV requirements.

6. Editorial Additions - Page II-40 Change Test Frequency from R to C for Valves CC1411A, CC1411B, CC1407A, CC1407B

7. Editorial Additions - Pages II-26, II-27 Change Test Frequency from R to C for Valves MU59A, B, C, D; MU66A, B, C, & D; and MU38

RELIEF REQUEST NUMBER 15

Components: MU 66A, B, C, D; MU 59A, B, C, D; MU 38

Function: Reactor coolant pump seal water isolation valve

Class: 2

Test
Requirements: Quarterly stroking per IWV-3412

Basis for Relief Request - Cycling valve during normal operation would interrupt flow to reactor coolant pump seals and is not permitted by plant operating procedure.

Alternative Testing - Valve will be full stroke tested during those entries into cold shutdown when normal cold shutdown proceeds to reactor coolant pump shutdown. Valve design precludes partial stroke testing during normal operation. Valves will be tested at refueling per Technical Specification during Appendix J, Type C Test.

RELIEF REQUEST NUMBER 21

Components: CC1411A, CC1411B, CC1407A, CC1407B

Function: Component cooling water isolation valve

Class: 2

Test
Requirements: Quarterly stroking per IWV-3412

Basis for Relief Request - Cycling valve during normal operation requires shutting off cooling water to the reactor coolant pumps which would cause extensive damage to the pumps.

Alternative Testing - Valve will be full stroke tested during those entries into cold shutdown when normal cold shutdown proceeds to reactor coolant pump shutdown. Valve design precludes partial stroke testing during normal operation.

RELIEF REQUEST NUMBER 28

Components: HP43 & HP50; HP49 & HP51; HP56 & HP58; HP57 & HP59

Function: High pressure injection normally closed stop check valve and swing check valve forming ASME Class 2 to Class 1 pressure boundary.

Class: 1

Test
Requirements: Quarterly reverse flow stroking per IWV-3412

Basis for Relief Request - Reverse flow cycling during normal operation, cold shutdown, and refueling is precluded by system design for individual check valves. Upstream of these valves are motor operated normally closed valves which are designed and analyzed as seismic class I. These motor operated valves HP-2A, B, C, & D are stroked and timed at cold shutdown. The system normal operating pressure is continually monitored in the Control Room by a high pressure alarm set at 375 psig.

Alternative Testing - As an interim condition, no alternative testing is proposed until resolution of alternatives is complete.

RELIEF REQUEST NUMBER 29

Components: SW83, SW85, SW91, SW93, SW99, SW101, SW107, SW109, SW115, SW117, SW370, SW372, SW380, SW382, SW329, SW82, SW335, SW43, SW44, SW57

Function: Service water check valves.

Class: 3

Test
Requirements: Quarterly reverse flow stroking per IWV-3412

Basis for Relief Request - Present system design configuration does not permit isolation required for testing.

Alternative Testing - No further alternative testing is proposed at this time. System modifications are being considered to permit testing. The modifications are presently being planned for implementation during the 1984 Refueling Outage.

ENCLOSURE 3

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

VALVE TEST PROGRAM

System MAKEUP AND PURIFICATION Drawing No. 031 Rev. 31

Valve Number	Class	Drawing Coordinates	Valve Cat. A	Valve Cat. B	Valve Cat. C	Valve Cat. D	Passive	Size (Inches)	Valve Type	Actuator Type	Normal Position	Test Requirement	Code Exception	Alternate Testing	Test Frequency	Max. Stroke Time (Sec.)	Remarks
MU33	2	F-5	X					2.5	GA	AO	OP	S F T	13	S F T	C C C	10	LEAK TEST PER APPENDIX J
MU242	2	K-2	X		X		X	1.5	SC	SA	LO	S L	14	S	R R		LEAK TEST PER APPENDIX J
MU66A	2	K-3	X					1.5	GL	AO	OP	S F T	15	S F T	C C C	12	LEAK TEST PER APPENDIX J
MU243	2	J-2	X		X		X	1.5	SC	SA	LO	S L	14	S	R R		LEAK TEST PER APPENDIX J
MU66B	2	J-3	X					1.5	GL	AO	OP	S F T	15	S F T	C C C	12	LEAK TEST PER APPENDIX J
MU244	2	H-2	X		X		X	1.5	SC	SA	LO	S L	14	S	R R		LEAK TEST PER APPENDIX J
MU66C	2	H-3	X					1.5	GL	AO	OP	S F T	15	S F T	C C C	12	LEAK TEST PER APPENDIX J
MU245	2	H-2	X		X		X	1.5	SC	SA	LO	S L	14	S	R R		LEAK TEST PER APPENDIX J
MU66D	2	H-3	X					1.5	GL	AO	OP	S F T	15	S F T	C C C	12	LEAK TEST PER APPENDIX J

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

VALVE TEST PROGRAM

System MAKEUP AND PURIDICATION Drawing No. 031 Rev. 31

Valve Number	Class	Drawing Coordinates	Valve Cat. A	B	C	D	Passive	Size (Inches)	Valve Type	Actuator Type	Normal Position	Test Requirement	Code Exception	Alternate Testing	Test Frequency	Max. Stroke Time (Sec.)	Remarks
MU59D	2	F-2	X					1	GL	MO	OP	S	15	S	C		LEAK TEST PER APPENDIX J
												T		T	C	30	
MU59C	2	F-2	X					1	GL	MO	OP	S	15	S	C		LEAK TEST PER APPENDIX J
												T		T	C	30	
MU59B	2	E-2	X					1	GL	MO	OP	S	15	S	C		LEAK TEST PER APPENDIX J
												T		T	C	30	
MU59A	2	D-2	X					1	GL	MO	OP	S	15	S	C		LEAK TEST PER APPENDIX J
												T		T	C	30	
MU38	2	E-5	X					1	GL	AO	OP	S	15	S	C		LEAK TEST PER APPENDIX J
												F		F	C		
												T		T	C	12	
MU3	2	C-5	X					2.5	GA	AO	OP	S			Q		LEAK TEST PER APPENDIX J
												F			Q		
												T			Q	10	
MU2A	2	C-4	X					2.5	GA	MO	OP	S	26	S	C		LEAK TEST PER APPENDIX J
												T		T	C	15	

VALVE TEST PROGRAM

System COMPONENT COOLING WATER Drawing No. 036 Rev. 28

Valve Number	Class	Drawing Coordinates	Valve Cat. A	B	C	D	Passive	Size (Inches)	Valve Type	Actuator Type	Normal Position	Test Requirement	Code Exception	Alternate Testing	Test Frequency	Max. Stroke Time (Sec.)	Remarks
CC19+	3	K-3			X			14	CK	SA	--	S			Q		FORWARD FLOW TEST WITH PUMP TEST.
CC18+	3	J-3			X			14	CK	SA	--	S			Q		FORWARD FLOW TEST WITH PUMP TEST.
CC17+	3	H-3			X			14	CK	SA	--	S			Q		FORWARD FLOW TEST WITH PUMP TEST.
CC1495	3	H-6		X				16	BF	AO	OP	S F T			Q Q Q	 60	
CC1411B	2	G-5	X					12	BF	MO	OP	S T	21	S T	C C	 15	LEAK TEST PER APPENDIX J
CC1411A	2	G-3		X				12	BF	MO	OP	S T	21	S T	C C	 15	"
CC1407A	2	C-6		X				12	BF	MO	OP	S T	21	S T	C C	 15	"
CC1407B	2	B-6	X					12	BF	MO	OP	S T	21	S T	C C	 15	LEAK TEST PER APPENDIX J
CC1643	3	A-3			X			3	RL	SA	--	R			R		
CC3602	3	A-3			X			3	RL	SA	--	R			R		
CC659	3	C-9		X			X	1.5	GA	MA	LC	L			R		

+ONE PUMP IS AN INSTALLED SPARE AND ELECTRICALLY DISCONNECTED. TWO PUMPS ARE IN SERVICE DURING NORMAL OPERATION AND ONLY THE CHECK VALVES ASSOCIATED WITH THE NORMAL OPERATING PUMPS WILL BE TESTED. THE THIRD VALVE WILL BE TESTED WHEN THE PUMP IS PLACED IN SERVICE.

DAVIS-BESSE NUCLEA. ,WER STATION 'UNIT NO. 1 Page 1 of ___

VALVE TEST PROGRAM

System STATION DRAINAGE Drawing No. 046 Rev. 23

Valve Number	Class	Drawing Coordinates	Valve Cat. A	Valve Cat. B	Valve Cat. C	Valve Cat. D	Passive	Size (Inches)	Valve Type	Actuator Type	Normal Position	Test Requirement	Code Exception	Alternate Testing	Test Frequency	Max. Stroke Time (Sec.)	Remarks
~~DR41~~	~~3~~	~~F-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
~~DR42~~	~~3~~	~~F-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
~~DR35~~	~~3~~	~~H-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
~~DR36~~	~~3~~	~~H-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
~~DR48~~	~~3~~	~~B-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
~~DR47~~	~~3~~	~~E-11~~			X			~~1.5~~	~~CK~~	~~SA~~	~~--~~	~~S~~			~~Q~~		
DR2012B	2	C-9		X				4	GA	MO	OP	S T			Q	15	
DR2012A	2	C-9		X				4	GA	MO	OP	S T			Q	15	