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**MAR 03 1994**

U.S. Nuclear Regulatory Commission  
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Gentlemen:

In the Matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - NRC INSPECTION REPORT NOS. 50-390/93-13 AND 50-391/93-13, "MOTOR-OPERATED VALVE (MOV) INSPECTION" - INTENT TO REDUCE THE GENERIC LETTER 89-10 MOV TESTING POPULATION

The purpose of this letter is to notify NRC that TVA (WBN) intends to reduce the number of Unit 1 Generic Letter (GL) 89-10 motor-operated valves required to be dynamically tested and to reduce the overall population of MOVs within the scope of GL 89-10. The subject inspection reports document the first of several planned inspections to review WBN's implementation of the GL 89-10 MOV testing and surveillance program. The inspection team noted that Calculation EPM-TSS-110791 identified 151 MOVs for inclusion in the GL 89-10 program scope for Unit 1. During the inspection period, TVA personnel indicated that differential pressure testing would be performed on 148 of the identified MOVs.

Subsequent to the subject inspection, WBN management determined that adequate justification existed for not performing dynamic testing on some GL 89-10 butterfly valves and for deleting plug valves from the scope of GL 89-10. Enclosure 1 provides additional details. Enclosure 2 contains a list of commitments made in this submittal.

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If you should have any questions, contact P. L. Pace at (615)-365-1824.

Very truly yours,



William J. Museler

Enclosures

cc (Enclosures):  
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ENCLOSURE 1

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1  
 NRC INSPECTION REPORT NOS. 50-390/93-13 AND 50-391/93-13  
 INTENT TO REDUCE THE GENERIC LETTER 89-10 MOV TESTING POPULATION

WBN Calculation EPM-TSS-110791 identifies 151 motor-operated valves (MOVs) for inclusion in the Generic Letter (GL) program scope for Unit 1. This population includes 53 butterfly valves. Due to the valve and/or motor operator configuration, diagnostic equipment (torque sensors) can only be installed on (10) 8-inch Posi-Seal butterfly valves. These butterfly valves will be dynamically tested under GL 89-10 required differential pressures (DPs). Twenty-five (25) butterfly valves which cannot accommodate diagnostic equipment (torque sensors) will be dynamically tested to demonstrate valve operability (i.e., the valves will close under GL 89-10 required DPs). WBN intends to delete the remaining 18 butterfly valves from dynamic testing under GL 89-10 required DPs. Representative testing and/or technical evaluations for the deleted butterfly valves will provide a basis for satisfying the intent of GL 89-10 recommendations and justify valve operability.

The below table summarizes WBN's proposal for dynamic testing butterfly valves.

<u>VALVE SIZE</u>	4"	6"	8"	12"	18"	20"	24"	total
<u>To be tested:</u>								
(Henry Pratt)		5			6	2	6	= 19
(Posi-Seal)			10	2	2			= 14
(Jamesbury)		2						= 2
<u>To be excluded:</u>								
(Henry Pratt)	2	16						= 18

The unique identifiers for the 18 Henry Pratt butterfly valves which will not be dynamically tested are as follows:

1-FCV-67-83	1-FCV-67-87	1-FCV-67-88
1-FCV-67-89	1-FCV-67-91	1-FCV-67-95
1-FCV-67-96	1-FCV-67-97	1-FCV-67-99
1-FCV-67-103	1-FCV-67-104	1-FCV-67-105
1-FCV-67-107	1-FCV-67-111	1-FCV-67-112
1-FCV-67-113	0-FCV-67-205	0-FCV-67-208

Presently, the type of valves with motor operators that are in the WBN Unit 1 GL 89-10 MOV Program are gate, globe, butterfly and plug valves. Supplement No. 1 to GL 89-10 identified gate, globe and butterfly valves as being within the scope of the GL. Plug valves were not included in the population of affected valve types. WBN intends to delete plug valves (12) from the population of valves within the scope of GL 89-10.

In summary, WBN intends to reduce the Unit 1 population of MOVs within the scope of the GL 89-10 MOV Program from 151 to 139 by deleting the 12 plug valves. Additionally, dynamic testing will not be performed on 18 Henry Pratt butterfly valves currently within the scope of GL 89-10.

ENCLOSURE 2  
LIST OF COMMITMENTS

Representative testing and/or technical evaluations for the deleted butterfly valves will provide a basis for satisfying the intent of GL 89-10 recommendations and justify valve operability. This action will be completed concurrent with GL 89-10 required activities.