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DUKE POWER

May 13, 1992

U.S. Nuclear Regulatory Commission
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Subject: McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369 and 50-370
Supplemental Response #2
Ref: Generic Letter 89-13

This is the second Supplemental Response to NRC Generic Letter 89-13, Service Water System Problems Affecting Safety-Related Equipment. The first supplemental response dated November 19, 1990, provided a schedule for completing modifications required to flush infrequently used cooling loops, as specified by Action I of the Generic Letter.

This Supplement updates the schedule provided in the first Supplement and addresses the following elements.

- I Surveillance and Control
- II Test Program
- III Inspection and Maintenance Program
- IV Confirmation of Licensing Basis
- V Procedures and Training

I MODIFICATIONS TO ALLOW FLUSHING ASSURED MAKE-UP PIPING

Component Cooling Water system modifications have been delayed due to changing the design scope. The scope has been increased to include additional equipment that would provide confirmation of Design flow capability. Also, modification changes would fulfill recently identified IWV testing requirements associated with check valves in the assured make-up lines to the Component Cooling system.

Spent Fuel Pool Cooling system modifications have also been delayed due to changing the design scope. The scope has been increased to include additional equipment that would provide confirmation of Design flow capability.

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Auxiliary Feedwater system and **Diesel Generator Engine Cooling** system modifications have been canceled. Recent internal piping inspections confirmed earlier inspection findings. Those inspections did not reveal sedimentation or macro-fouling present in these sections of piping. In addition, a review of piping configuration and service conditions showed that these lines are not prone to sediment buildup. Therefore, modifications to allow flushing these system's assured make-up lines will not be implemented. However, these lines will continue to be inspected on a periodic basis.

Following is the revised schedule for the modifications to the assured make-up for the above systems.

SYSTEM	Unit 1	Unit 2
Component Cooling	Summer 1994*	Fall 1994*
Spent Fuel Pool Cooling	Fall 1993**	Fall 1993**
Auxiliary Feedwater	Canceled	Canceled
Diesel Generator Cooling Water	Canceled	Canceled

* These modifications will be installed during the EOC9 refueling outages.

** These modifications will be installed while the units are on-line.

II BIOCIDE ADDITION PROGRAM

The low dissolved oxygen content of the source water for the McGuire intake discourages significant Asiatic clam accumulation. However, to address potential future biofouling problems, McGuire planned to assess biofouling control alternatives evaluated in the Catawba Nuclear Station study. At the time of our November 19, 1990 supplemental response, the biocide addition program required by Action II of the Generic Letter was pending the results of a pilot program at our Catawba plant. This status is unchanged at this time. The Catawba study has been unsuccessful due to discharge limitations, and is pending a revised discharge permit. However the intake structure inspection program has been established and will provide some indication of biofouling to the Nuclear Service Water system.

III PIPING INSPECTION AND REPAIR PROGRAMS

Established as described in the letter to the NRC dated November 19, 1990.

Document Control Desk

May 13, 1992

Page 3

IV COMPONENT COOLING SYSTEM TEMPERATURE RISE

The review of Component Cooling system temperature rise during a reactor coolant pump thermal barrier isolation valve failure described in the November 19, 1990 supplemental response, has been completed. The Component Cooling system procedures have been reviewed for applicability. One Emergency Procedure and One Abnormal Procedure will be revised to instruct the operator to isolate the Component Cooling side of the thermal barriers in the event of a thermal barrier isolation valve failure.

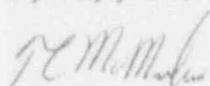
V PROCEDURES AND TRAINING

Established as described in the letter to the NRC dated November 19, 1990.

For questions please contact Kathleen Mullen at (704) 875-4302.

I declare under penalty of perjury, that the statements set forth herein are true and correct to the best of my knowledge.

Very truly yours,



T. C. McMeekin

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