UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 15, 1992

Docket Nos. 50-369
and 50-370

Mr. T. C. McMeekin
Vice President, McGuire Site
Duke Power Company
12700 Hagers Ferry Road
Huntersville, North Carolina 28078-8985

Dear Mr. McMeekin:

SUBJECT: GENERIC LETTER 91-13, "REQUEST FOR INFORMATION RELATED TO THE RESOLUTION OF GENERIC ISSUE 130, ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTI-UNIT SITES" FOR MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 (TAC NOS. M81179/M81180)

On September 16, 1991, the NRC staff issued Generic Letter (GL) 91-13 containing the resolution to Generic Issue 130. The GL requested each affected licensee to review the proposed technical specification changes and procedural improvements for applicability and safety significance to their facility. Each licensee was requested to state whether the proposed TS changes are applicable to the facility and whether they will commit to the improvements.

By letter dated February 27, 1992, Duke Power Company (DPC) responded to the subject GL. Your response noted the following:

1. The nuclear service water (RN) systems at McGuire Nuclear Station are normally isolated between units but do have cross connect capability through normally closed manual valves. The McGuire loss of RN procedure provides guidance including valve locations for manipulating the RN crosstie between units during a loss of RN event.

2. At McGuire Nuclear Station, the containment ventilation cooling (RV) system can provide adequate backup flow to the RN system in the event of a loss of RN.

3. The standby shutdown facility (SSF) contains a dedicated makeup pump to provide seal cooling to the reactor coolant pump seals on a loss of seal cooling (a consequence of a loss of all RN).

4. Considering the above design features, the calculated core melt frequency resulting from a loss of all RN event at McGuire Nuclear Station is approximately 1E-05/yr (from the McGuire PRA submitted in November 1991 for IPE).

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5. Imposing technical specifications is not justified since (1) current specifications adequately ensure RN system availability, (2) the reliability of the cross connect feature is dominated by human error and not the other unit's RN system availability, and (3) there are two backup systems at McGuire (RV and SSF) which mitigate the loss of RN system event.

In addition, your response noted that McGuire has developed an operability test for the RN crossover isolation valves to be performed at each Unit 1 refueling outage. You also committed to perform a one-time flush of the stagnant RN piping between the crosstie valves during the Unit 1 end-of-cycle 8 refueling outage. Regarding the loss of RN procedure, your response stated that this procedure currently contains sufficient detail to (1) align the RV system, (2) open RN crossover valves, and (3) activate the SSF following a loss of RN event.

The staff has reviewed your response and finds that it meets the recommendations of GL 91-13. This completes the staff's activities on TAC Nos. M81179/M81180. If you have questions regarding this matter contact me at 301-504-1479.

Sincerely,

Timothy A. Reed, Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page

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OFC	PDII-3:LA	PDII-3:PM	SPLB:NRR*	D:PDII-3		
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