

Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

Hal B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

March 19, 1990

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: McGuire Nuclear Station
Docket Nos. 50-369, -370
Catawba Nuclear Station
Docket Nos. 50-413, -414
Generic Letter 89-19

Gentlemen:

By letter dated September 20, 1989 the NRC issued Generic Letter (GL) 89-19, Request for Action Related to Resolution of Unresolved Safety Issue A-47 "Safety Implication of Control Systems in LWR Nuclear Power Plants." The following response for McGuire Nuclear Station (MNS) and Catawba Nuclear Station (CNS) is provided pursuant to 10CFR50.54(f).

McGuire and Catawba are 4-loop Westinghouse NSSS plants. As such, the guidance in Section (2) of Enclosure 2 to GL 89-19 regarding steam generator overfill and dryout protection is applicable. Further, MNS and CNS steam generator overfill protection is consistent with the design criteria for Group I plants.

The McGuire overfill protection system is initiated on high water level in any one steam generator based in a safety grade 2-out-of-3 initiating logic. The system isolates main feedwater (MFW) by closing the MFW isolation valves and tripping the MFW pumps. In accordance with the GL guidance, the overfill protection channels are electrically isolated from the control channels through isolator cards in the Westinghouse 7300 Process Control System (PCS) as discussed in FSAR Section 7.3.

The CNS overfill protection system is initiated on high water level in any one steam generator based on a safety grade 2-out-of-4 initiating logic. The system isolates MFW by closing the MFW isolation valves and tripping the MFW pumps. In accordance with the GL guidance, the overfill protection channels are electrically isolated from the control channels through isolator cards in the Westinghouse 7300 PCS as discussed in FSAR Section 7.3.

Section 3/4.3 of the MNS and CNS Technical Specifications include requirements to periodically verify operability of the overfill protection system.

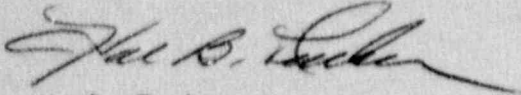
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I declare under penalty of perjury that the above statements are true and correct to the best of my knowledge.

Very truly yours,



H. B. Tucker

PJN110/td

cc: Mr. S. D. Ebner
Regional Administrator
U. S. Nuclear Regulatory
Commission - Region II
101 Marietta St. NW
Suite 2900
Atlanta, GA 30323

Dr. K. Jabbour, Project Manager
Office of Nuclear Reactor Reg.
U. S. Nuclear Regulatory Comm.
Washington, DC 20555

Mr. Darl Hood, Project Manager
Office of Nuclear Reactor Reg.
U. S. Nuclear Regulatory Comm.
Washington, DC 20555

Mr. W. T. Orders
NRC Resident Inspector
Catawba Nuclear Station

Mr. P. K. VanDoorn
NRC Resident Inspector
McGuire Nuclear Station