

Duke Power Company
McGuire Nuclear Generation Department
12700 Hagers Ferry Road (MG01A)
Huntersville, NC 28078-8985

T. C. McMEEKIN
Vice President
(704)875-4800
(704)875-4809 FAX



DUKE POWER

June 2, 1993

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Subject: McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369 and 50-370
NRC Inspection Report No. 50-369, 370/93-05
Violation 50-370/93-05-01
Reply to a Notice of Violation

Gentlemen:

Enclosed is the response to the Notice of Violation issued May 3, 1993 concerning failure to report a manual ESF actuation.

Should there be any questions concerning this response, contact Randy Cross at (704) 875-4179.

Very Truly Yours,

A handwritten signature in dark ink, appearing to read "T. C. McMeekin".

T. C. McMeekin

Attachment

xc: (w/attachment)
Mr. S. D. Ebner
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, Georgia 30323

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

Mr. T. A. Reed
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
One White Flint North, Mail Stop 9H3
Washington, D. C. 20555

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**McGuire Nuclear Station
Reply to a Notice of Violation**

Violation 370/93-05-01

10 CFR 50.72 (b)(2)(ii) requires that a licensee notify the NRC as soon as practical and in all cases within four hours of the occurrence of any event or condition that results in a manual or automatic actuation of any engineered safety feature (ESF).

Contrary to the above, at 2:50 p.m. on March 22, 1993, a fitting on the Unit 2 Chemical and Volume Control System failed, causing a reactor coolant leak of approximately 75 gallons per minute. A manual actuation of a second charging pump, an ESF pump, was initiated to control pressurizer level. The manual actuation was not reported to the NRC until 4:10 p.m. on March 23, 1993.

This is a Severity Level IV (Supplement 1) violation applicable to Unit 2 only.

Reply to Violation 370/93-05-01

1. Reason for the violation:

The ESF actuation occurred in response to a primary system transient which necessitated the manual starting of a second charging pump to control pressurizer level. Control Room personnel failed to recognize that manually starting the second charging pump was considered a manual ESF actuation. Control Room personnel, in response to a 75 gallon per minute leak on the normal charging header, took corrective action as directed by the abnormal procedure for leakage within the capabilities of the charging pumps.

The Shift Supervisor directing activities in the Control Room during the transient made a conscientious effort to determine the reportability of this occurrence. The Shift Supervisor determined this transient not to be reportable based on the plant specific response procedure. The procedure states, in part, that a manual or automatic ESF actuation as a result of a valid signal is reportable. The Shift Supervisor was fully aware of plant conditions throughout the transient and was aware that had the leak not been isolated within fifteen minutes the station would have entered the Emergency Plan. The leak was isolated within the required time frame and no valid ESF signal occurred. However, the Shift Supervisor erred in determining that this event was not reportable.

2. Corrective steps that have been taken and the results achieved:

The immediate corrective action was to reemphasize the importance of reviewing all pertinent documentation prior to making a determination of reportability. The requirement to report the starting of the second charging pump is clearly stated in the Nuclear System Directive on reportability. The Shift Supervisor was unfamiliar with this directive and relied upon station specific procedures which were not sufficient to assure a proper reportability determination. Since this event, no additional errors in reportability determinations have occurred.

3. Corrective steps that will be taken to avoid further violations:

McGuire Nuclear Station is evaluating current reportability guidance and methods including a commercially available reportability determination system which will enhance our ability to make timely and accurate determinations. The potential advantage of the system being considered is that it is event based rather than regulation based.

4. Date when full compliance will be achieved:

A method of enhanced reportability determination will be in use by July 1, 1994.