DUKE POWER COMPANY
P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

86 SEP 12 P1:58

September 5, 1986

Dr. J. Nelson Grace, Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St. NW, Suite 2900
Atlanta, Georgia 30323

Subject: McGuire Nuclear Station, Unit 2
Docket Nos. 50-370

Dear Dr. Grace:

On March 16, 1986, a pressurizer power operated relief valve (PORV) cycled to relieve reactor coolant system pressure at McGuire Unit 2; this event was reported in accordance with Technical Specifications 3.4.9.3 and 6.9.2 by letter dated April 15, 1986. In accordance with the commitment in that report, please find attached an addendum to the April 15 report.

The event had no impact on the health and safety of the public.

Very truly yours,

Hal B. Tucker

Hal B. Tucker

JBD/84/jgm

Attachment

xc: Mr. W.T. Orders
NRC Resident Inspector
McGuire Nuclear Station

Document Control Desk
U.S. Nuc. Regulatory Comm.
Washington, D.C. 20555

INPO Records Center
1100 Circle 75 Parkway
Suite 1500
Atlanta, Georgia 30339

IE19

DUKE POWER COMPANY
McGUIRE NUCLEAR STATION
Pressurizer Power Operated Relief Valve Cycled to Relieve
Reactor Coolant System Pressure
(Addendum to Report dated April 15, 1986)

On March 16, 1986, at 0459, Pressurizer Power Operated Relief Valve (PORV) 2NC-34A (Control Components, Serial No. 5580W-1XY22) opened when a pressure transient occurred in the Reactor Coolant (NC) system. This pressure transient occurred when NC pump 2C was started. The PORV closed two seconds after opening. PORV 2NC-34A opened a second time, at 0512, while charging flow was being adjusted. The PORV closed three seconds after opening.

A work request was performed to investigate the "as found" condition of the low pressure relief setpoint of the pressure transmitter (Rosemount, Model No. 1153GA9) for PORV 2NC-34A. The data obtained was found to be in calibration as specified in the Reactor Coolant System Wide Range Pressure Calibration Procedure. A PORV Channel Functional Test was also performed and PORV 2NC-34A operated properly.

The investigation determined that the NC system low pressure transmitter for 2NC-34A and the wide range pressure indicator for PORV 2NC-34A were in calibration and that PORV 2NC-34A was operating properly. PORV 2NC-34A opened when NC pump 2C was started and again while charging flow was being adjusted.

When performing this procedure NC system pressure is to be maintained below 400 pounds per square inch gauge (psig). In doing so, a wide range pressure indicator for NC system pressure (0 to 3000 psig) is used. A narrow range pressure indicator (0 - 800 psig) that indicates the pressure being applied to PORV 2NC-32B is also used. Personnel do not have a narrow range indicator (0 to 800 psig) indicating the pressure being applied to PORV 2NC-34A.

A possible modification will be investigated to install narrow range pressure indicators (0 - 800 psig) for PORVs 1NC-34A and 2NC-34A. Such a modification would enhance the monitoring and control of the Pressurizer Overpressure Protection System while operating in water solid conditions.

The health and safety of the public were not affected by this incident.