

Duke Power Company
McGuire Nuclear Generation Department
12700 Hagers Ferry Road (MG01YP)
Huntersville, NC 28078-8985

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



DUKE POWER

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

Subject: McGuire Nuclear Station
Special Report No.: 94-02
Problem Investigation Process No.: 2-M94-0362

Gentlemen:

Attached for your information is Special Report No. 94-02 concerning the Unit 2 Vibration and Loose Parts Monitor, Channel 8, being declared inoperable due to signal problems. This event is considered to be of no significance with respect to the health and safety of the public.

Very truly yours,

T.C. McMeekin

RJD/bcb

Attachment

xc: Mr. S.D. Ebnetter
Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, GA 30323

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

Mr. Victor Nerses
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Mr. George Maxwell
NRC Resident Inspector
McGuire Nuclear Station

210058

9403220181 940315
PDR ADDCK 05000370
S PDR

IE27

bxc: B.L. Walsh
P.R. Herran
R.C. Norcutt
K.L. Crane
B.F. Caldwell
S.G. Benesole (ONS)
G.H. Savage
G.B. Swindlehurst
M.S. Tuckman
R.F. Cole
D.B. Cook
G.A. Copp
C.A. Paton
J.I. Glenn
P.M. Abraham
Zach Taylor (CNS)
NSRB Support Staff (EC 12-A)

Special Report SR-94-02
Unit 2 Vibration & Loose Parts Monitor
Operability of Channel 8

Associated Tech Spec: 3.3.3.10

Related PIP's: PIP 2-M94-0362

Cause of Malfunction: Channel 8 (2MIMT5170, S/G 2D) of the Vibration & Loose Parts Monitor (V&LPM) was declared inoperable after it was discovered to have signal problems by Operations on February 14, 1994. WO 94012881 was initiated and channel investigated by IAE. Signal problems were verified. The cause of the low noise level is associated with sensor or poor cable terminations in RX2.

Instrument Vendor: V&LPM manufactured by Rockwell International

Generic Concerns: The V&LPM has a history of unreliable performance. Specifically, numerous sensor cable and termination problems have been experienced due to their susceptibility to damage during installation or nearby maintenance activities. This channel was also declared inoperable on 4/14/93 and repaired during 2EOC8. Refer to Special Report SR 93-05 for additional information.

Compensatory Measures: No compensatory measures are planned or required.

Plans for Restoring Operability: Channel 8 of the V&LPM will be repaired under WO 94012881 during the next Unit 2 refueling outage (2EOC9), or during installation of NSM MG-22096, when cables and terminations are accessible.

Future Plans for V&LPM: NSM's MG-12096 (Unit 1) and MG-22096 (Unit 2) are scheduled for completion during 1EOC9 and 2EOC9, respectively. Implementation on these NSM's began during 1EOC8 and 2EOC8, respectively. These NSM's will install a completely new system and address system failure trends.

BY:

 M. W. Mardock

Date:

 3-10-94

Approval:

 Ch. Kim

Date:

 3/10/94