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McGuire Nuclear Station  
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**DUKE POWER**

November 22, 1994

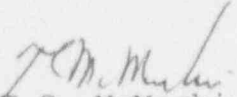
U.S. Nuclear Regulatory Commission  
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Subject: McGuire Nuclear Station Unit 1  
Special Report No. 94-05  
Problem Investigation Process No.: 1-M94-1620

Gentlemen:

Attached is a Special Report concerning Channel 3 of the Vibration and Loose Parts Monitoring System being found inoperable. This report is being submitted per Technical Specification 3.3.10 and 6.9.2. 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

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**Special Report SR-94-05**  
**Unit 1 Vibration and Loose Parts Monitor**  
**Operability of Channel 3**

Associated Technical Specification: 3.3.3.10

Related PIP: 1-M94-1620

Cause of Malfunction: Channel 3 (EMD ME 9000) of the Unit 1 Vibration and Loose Parts Monitor was declared INOPERABLE by Operations on October 24, 1994 at 0500 Hrs. (TSAIL entry M1-094-01135) due to noise. WR 94043758 was written to troubleshoot the problem. IAE investigated and identified the problem, however, the system is located in a high radiation area and this channel is not required for plant operation.

Instrument Vendor: V&LPM manufactured by Rockwell International

Generic Concerns: The V&LPM has a history of unreliable performance. Numerous sensor and cable problems are the main contributor to this unreliable performance. These concerns are being addressed by the partial completion of NSM MG-12096, replacement of the entire system, which will be completed during 1EOC10. Installation during 1EOC9 was delayed because of vendor equipment delivery.

Compensatory Measures: No compensatory measures are planned or required.

Operability Restoration: Channel 3 of the V&LPM will be repaired under WR 94043758 or replaced by NSM MG-12096 during outage 1EOC10.

Future Plans: Both Unit 1 and Unit 2 V&LPMs will be replaced by new and enhanced analysis equipment. The sensors and cables will be replaced at the same time.

By: M. W. Murdoch

Date: 11-22-94

Approval: [Signature]

Date: 11-22-94