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DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28202

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

May 7, 1981

TELEPHONE: AREA 704
373-4083

81-055-03L

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Re: McGuire Nuclear Station Unit 1
Docket No. 50-369



Dear Mr. O'Reilly:

Please find attached Reportable Occurrence Report RO-369/81-48. This report concerns the operability of the wide range level instrument for Steam Generator B Remote Shutdown Monitoring Instrumentation. This incident was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,

William O. Parker, Jr.
William O. Parker, Jr.

RWO:pw
Attachment

cc: Director
Office of Management & Program Analysis
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. Bill Lavallee
Nuclear Safety Analysis Center
Post Office Box 10412
Palo Alto, CA 94303

M. J. Graham
Resident Inspector
McGuire Nuclear Station

IE22
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McGUIRE NUCLEAR STATION

INCIDENT REPORT

Report Number: 81-48

Report Date: April 24, 1981

Occurrence Date: April 10, 1981

Facility: McGuire Unit 1, Cornelius, N. C.

Identification of Occurrence: The wide range level instrument for Steam Generator B Remote Shutdown Monitoring Instrumentation was declared inoperable.

Conditions Prior to Occurrence: Mode 3, Hct Standby

Description of Occurrence: On April 10, 1981 at 0912 hours, the Shift Supervisor discovered that Steam Generator 1B Wide Range Level Recorder (1CFCR5610) in the Control Room was pegged high. The level indicator (1CFCP5620) on the Auxiliary Feedwater Pump 'A' Panel was checked and found that it was also pegged high. The S/G '1B' wide range level instrumentation was declared inoperable and this was a reportable incident pursuant to Technical Specification 3.3.3.5.

Apparent Cause of Occurrence: The S/G '1B' wide range level recorder and indicator were pegged high because their transmitter was valved out. The root valve of one leg was closed and the equalizing valve was opened.

Analysis of Occurrence: During the performance of the Monthly Surveillance Items Checklist for Mode 3, personnel found that the S/G 1A and 1B Wide Range Level Recorder in the Control Room was pegged high. The remote indicator was checked and it was also pegged high. It was found that the transmitter impulse line was valved out and the recorder was out of calibration. It is unknown at this time when or how the instrument was valved out. When it was discovered that the indicators were pegged high, they were declared inoperable.

Safety Analysis: The S/G wide range level transmitters send a signal to the remote indicators to provide S/G level indication outside the Control Room. These instruments serve as the only S/G level indicators should it become necessary to evacuate the Control Room to the Auxiliary Shutdown Panel. There are several S/G narrow range level indicators in the Control Room. These narrow range transmitters are also used to provide control signals to the Reactor Protection and Control Cabinets and to the accident monitoring instrumentation. Since the Control Room was available at the time the S/G '1B' Wide Range Level Instrumentation was inoperable, the safe operation of the plant and the health and safety of the public were not affected.

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Corrective Action: The closed root valve was opened and the equalizing valve was closed. The transmitter was tested and the recorder was calibrated. The S/G 1B Wide Range Level Instrumentation was declared operable on April 10, 1981 at 1200 hours.