

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

September 15, 1981

TELEPHONE: AREA 704
373-4083

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

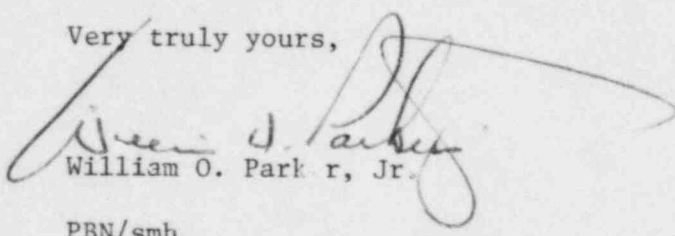
Re: McGuire Nuclear Station Unit 1
Docket No. 50-369



Dear Mr. O'Reilly:

Please find attached Reportable Occurrence Report RO-369/81-141. This report concerns T.S.3.3.3.4, "The Meteorological Monitoring Instrumentation Channels Shown in Table 3.3-8 Shall be Operable." 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.

PBN/smh

Attachment

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

Mr. Bill Lavalee
Nuclear Safety Analysis Center
Post Office Box 10412
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Ms. M. J. Graham
Resident Inspector-NRC
McGuire Nuclear Station

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McGUIRE NUCLEAR STATION

REPORTABLE OCCURRENCE

REPORT NUMBER: 81-141

REPORT DATE: September 15, 1981

OCCURRENCE DATE: August 16 and 25, 1981

FACILITY: McGuire Unit 1; Cornelius, N.C.

IDENTIFICATION OF OCCURRENCE: The Station Meteorological Monitoring System (EEB) was declared inoperable when the Control Room annunciator alarm, "Environmental System Trouble", was actuated.

CONDITIONS PRIOR TO OCCURRENCE: On August 16 the plant was in Mode 2, Startup, and on August 25 the plant was in Mode 3, Hot Standby. During the interim period the plant was undergoing low power testing operations with periodic shutdowns for maintenance activity.

DESCRIPTION OF OCCURRENCE: On August 16, the Station Meteorological Monitoring System was declared inoperable upon receipt of a trouble alarm. A technician was dispatched to investigate the problem, but before he could determine a cause the alarm cleared. The system was then determined to be operating satisfactorily and was declared operable the same day.

The Environmental System Trouble alarm again occurred on August 25. The alarm cleared, but continued to reoccur allowing an opportunity for troubleshooting.

APPARENT CAUSE OF OCCURRENCE: The problem was determined to be an unstable power supply in the Meteorological Research, Inc. (MRI) Data Logger.

ANALYSIS OF OCCURRENCE: It is assumed that the August 16 incident was an early sign of the Data Logger power supply failure. Although the power supply continued to function, by August 25 it had deteriorated enough to allow recognition of its instability.

SAFETY ANALYSIS: Three gaseous waste releases made while the system was inoperable were monitored and were never above prohibitive radioactivity levels. Therefore, the health and safety of the public were not affected by these incidents.

CORRECTIVE ACTION: The MRI Data Logger power supply, model 301-15-0, was replaced and the instrumentation was recalibrated. The system was declared operable on August 26, 1981.