

DUKE POWER COMPANY

USNRC REGION II  
ATLANTA, GEORGIA

POWER BUILDING

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

81 MAY 11 9:10

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

May 7, 1981

TELEPHONE: AREA 704  
373-4083

81-056-03L

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-369/81-49. This report concerns the operability of the containment Sump Level and Flow Monitoring System. 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:djs

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  
Palo Alto, California 94303

M. J. Graham  
Resident Inspector  
McGuire Nuclear Station

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MCGUIRE NUCLEAR STATION

INCIDENT REPORT

REPORT NUMBER: 81-49

REPORT DATE: April 29, 1981

OCCURRENCE DATE: April 10, 1981

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

IDENTIFICATION OF OCCURRENCE: The Containment Sump Level and Flow Monitoring System was declared inoperable.

CONDITION PRIOR TO OCCURRENCE: Mode 3, Hot Standby

DISCRIPTION OF OCCURRENCE: On April 10, 1981 at 1550 hours, the Waste Processing Panel lost AC power. The Containment Floor and Equipment Sump Level Indicators in the Control Room failed to the zero scale position. The Shift Supervisor declared this system inoperable. This was a reportable incident pursuant to Technical Specification 3.4.7.1.

APPARENT CAUSE OF OCCURRENCE: The Containment Floor & Equipment Sump Level Indicators' failure was due to the loss of AC Power Supply to the Waste Processing Panel. The Containment Floor and Equipment Sump Level Transmitters received their 120 VAC power from the Waste Processing Panel.

ANALYSIS OF OCCURRENCE: On April 10, 1981, the Floor Drain Tank Pump would not start. The Waste Processing Panel AC Power Supply was lost. This was reported to the Shift Supervisor. The Containment Floor & Equipment Sump Level Indicators had failed to their zero scale position. The containment sump level and flow monitoring system was declared inoperable. A cable on Unit 2 Lower Containment was not terminated and the wire was bare and energized. This was identified to be the power supply cable for Unit 2 Containment Floor & Equipment Sump Level Transmitter. The hot wire was shorted to its armored shield which had caused the breaker to the Waste Processing Panel to trip. The armor was stripped and the hot wire was taped. The Waste Processing Panel AC Power was restored and the Containment Floor & Equipment Sump Level Indicators were again operable on April 11, 1981.

SAFETY ANALYSIS: At the time the containment sump level and flow monitoring system was inoperable, the sumps' levels were below the hi-level setpoint. Their appropriate pumps are manually started only when their hi-level setpoint is reached to transfer water to the Floor Drain Tank. Since there was no excessive leakage at that time, the inoperability of this system did not have any significant impact on the plant's safe operation and the health and safety of the public were not affected.

CORRECTIVE ACTION: The identified shorted cable which caused the loss of AC power to the panel was fixed. (The armored shield was stripped and the hot wire was taped.) AC power to the Waste Processing Panel was restored and the Containment Floor & Equipment Sump Level Indicators were also back into service and declared operable on April 11, 1981 at 0045 hours.