

DUKE POWER COMPANY

POWER BUILDING

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

U.S. NRC REGION II
ATLANTA, GEORGIA

81 NOV 30 AIO: 47

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

November 25, 1981

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

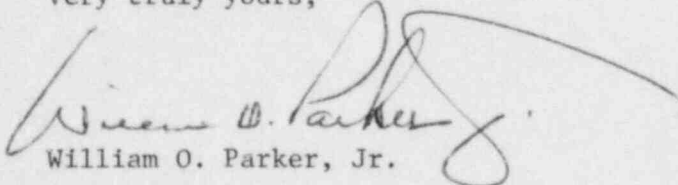
Re: Oconee Nuclear Station
Docket No. 50-269



Dear Mr. O'Reilly:

Please find attached Reportable Occurrence Report RO-269/81-20. This report is submitted pursuant to Oconee Nuclear Station Technical Specification 6.6.2.1.b(2), which concerns operation in a degraded mode permitted by a limiting condition for operation, and describes an incident which is considered to be of no significance with respect to its effect on the health and safety of the public.

Very truly yours,


William O. Parker, Jr.

JTK/php
Attachment

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

Records Center
Institute of Nuclear Power Operations
1820 Water Place
Atlanta, Georgia 30339

Mr. W. T. Orders
NRC Resident Inspector
Oconee Nuclear Station

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DUKE POWER COMPANY
OCONEE NUCLEAR STATION

REPORT NUMBER: RO-269/81-20

REPORT DATE: November 25, 1981

OCCURRENCE DATE: October 29, 1981

FACILITY: Oconee Nuclear Station, Seneca, South Carolina

IDENTIFICATION OF OCCURRENCE:

| | |
|----------|---------------------|
| Oconee 1 | Cold Shutdown |
| Oconee 2 | Startup in progress |
| Oconee 3 | 100% FP |

DESCRIPTION OF OCCURRENCE: On October 29, 1981 the Hydrogen Purge Unit was declared inoperable due to substandard heat output from the dehumidifier heaters. This problem with the heater was identified during the Hydrogen Purge Unit Performance Test.

APPARENT CAUSE OF OCCURRENCE: The apparent cause of this event was a frayed conductor cable. The cause of the cable wear is suspected to be thermal embrittlement coupled with mechanical vibrations due to air flow.

ANALYSIS OF OCCURRENCE: The Hydrogen Purge Unit was inoperable for only a few hours, and since the Unit would not be required until several days following a LOCA or MHA it is considered that this event did not affect the health and safety of the public. Additionally, it was determined that both Purge Unit heaters could be disabled by a single fault in the common control circuitry or wiring.

CORRECTIVE ACTION: The frayed conductor cable was replaced and the Hydrogen Purge Unit declared operable. Wiring to the dehumidifier heaters will be modified to provide redundant circuits and independent monitoring of the heaters. Appropriate procedures will be revised to provide a more comprehensive check of heater performance.