DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

November 5, 1981

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

Re: Catawba Nuclear Station
Units 1 & 2
Docket Nos. 50-413 and -414

Dear Mr. O'Reilly:

Pursuant to 10 CFR 50.55e, please find Significant Deficiency Report SD-413, 414/81-24.

Very truly yours,

William O. Parker, Jr.

ROS/php
Attachment

cc: Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Resident Inspector-NRC
Catawba Nuclear Station

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CATAWBA NUCLEAR STATION

REPORT NO.: SD-413, 414/81-24

REPORT DATE: November 5, 1981

FACILITY: Catawba Nuclear Station, Unit 1 & 2

IDENTIFICATION OF DEFICIENCY:

High range in-containment radiation monitor cable is not qualified for all postulated LOCA environments per General Atomic letter dated September 23, 1981, received by Duke Power Company on September 30, 1981.

INITIAL REPORT:

On October 15, 1981, A. Ignatonis, NRC Region II, Atlanta, Georgia, was notified of the deficiency by W. O. Henry and T. C. McMeekin of Duke Power Company, Charlotte, NC.

COMPONENT AND/OR SUPPLIER:

The component identified as having a deficiency is Rockbestos Cable, Model RSS-6-104, supplied by General Atomic Company for the high range in-containment radiation monitors.

DESCRIPTION OF DEFICIENCY:

Due to a manufacturing deficiency, the identified cable is not fully qualified for all postulated LOCA environments. There is approximately 300 feet of this cable associated with each high range in-containment radiation monitor. There are two such monitors located inside the Catawba Unit 1 containment and two inside the Catawba Unit 2 containment.

ANALYSIS OF SAFETY IMPLICATIONS:

If a loss of coolant accident occurred and the cable was subjected to the worst case postulated accident conditions, the post accident monitoring function provided by the high range in-containment monitors could be degraded or lost.

CORRECTIVE ACTION:

The subject cable will be replaced prior to fuel load with qualified cable to be supplied by General Atomic.