

DUKE POWER COMPANY

POWER BUILDING

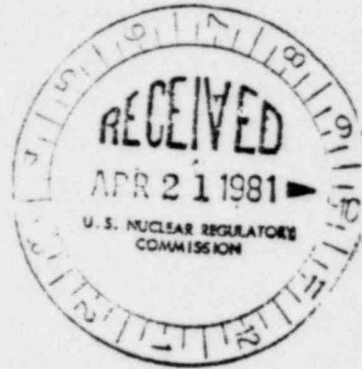
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

April 16, 1981

TELEPHONE: AREA 704
373-4083

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

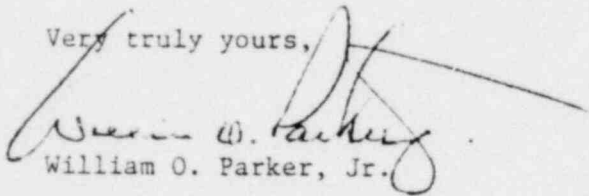


Re: McGuire Nuclear Station
Units 1 and 2
Docket No. 50-370

Dear Mr. O'Reilly:

Pursuant to 10CFR 50.55e please find attached Significant Deficiency Report
SD 370/81-01.

Very truly yours,


William O. Parker, Jr.

RWO:pw
Attachment

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

T. J. Donat
NRC Resident Inspector
McGuire Nuclear Station

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MCGUIRE NUCLEAR STATION

REPORT NO: SD-370/81-01

REPORT DATE: April 2, 1981

FACILITY: McGuire Nuclear Station - Unit 2

IDENTIFICATION OF DEFICIENCY: Electrical Cable Tray Hangers
Insufficient Seismic Bracing and
Qualification Calculations

INITIAL REPORT:

On March 20, 1981, Mr. Art Johnson of NRC Region II, Atlanta, Georgia was notified of this deficiency by Mr. J. R. Wells and Mr. D. G. Owen of Duke Power Company, Charlotte, NC 28242.

SUPPLIER AND/OR COMPONENT:

The cable tray hangers were constructed with Unistrut Type P1001 components. Required bracing will be of the same type material.

DESCRIPTION OF DEFICIENCY:

During the normal handling of Variation Notice No. 22286 as written on a Reactor Building Cable Tray Hanger, it was discovered that no seismic bracing existed for the hanger. Subsequent review of all seismic qualification documentation for safety-related electrical cable tray hangers determined that no seismic bracing or calculations existed for 12 Reactor Building hanger standards for Unit 2.

ANALYSIS OF SAFETY IMPLICATION:

The deficiency is that affected cable tray hangers in the Unit 2 Reactor Building do not have seismic bracing or calculations to demonstrate their adequacy to withstand a seismic event. Lack of seismic bracing on the affected hangers could have resulted in damage to safety circuits in the affected trays during a seismic event. Commitment has been made to install all required seismic bracing as verified by calculations. Since this deficiency was determined before operation, the health and safety of the public were not affected.

CORRECTIVE ACTION:

Seismic calculations for all affected cable tray hangers has been performed and all required bracing will be added to the Unit 2 affected hangers on or before November 1, 1981. Verification has been made to determine that all Reactor Building hangers requiring seismic qualification have been analyzed and all seismic bracing has been designed where required. Revised design procedures have been implemented to assure no reoccurrence of a similar deficiency.