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GENERAL ELECTRIC

NUCLEAR POWER

SYSTEMS DIVISION
CAC-61-81
MFN-143-81

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125
MC 682, (408) 925-5040

August 5, 1981

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

Attention: Victor Stello, Jr., Director

Gentlemen:

SUBJECT: REPORTABLE CONDITION
REACTOR MOUNTING BRACKETS
HPCS DIESEL GENERATOR CONTROL PANEL

This letter is to advise the NRC of a reportable condition per 10CFR Part 21 as reported to your office by C.A. Cameron, Manager, Safety Evaluation Programs on August 5, 1981. The condition involved reactor mounting brackets in the HPCS diesel generator control panels of Grand Gulf and Skagit. The condition was judged reportable on August 4, 1981.

Attached is the report of the condition. Corrective action has been completed.

Very truly yours,

Glenn Sherwood

Glenn G. Sherwood, Manager
Nuclear Safety & Licensing Operation

RECEIVED
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U.S. NUCLEAR REGULATORY COMMISSION

Attachment

cc: Mr. J.P. O'Reilly, NRC Region II
Mr. V. Potapovs, NRC Region IV
Mr. R.H. Engelken, NRC Region V
V. Stello, Jr., NRC (2 extra copies)
J.F. McAllister, General Electric
L.S. Gifford, General Electric

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REACTOR MOUNTING BRACKETS - HPCS DIESEL GENERATOR CONTROL PANEL

The reactor referred to herein should be distinguished from the reactor pressure vessel. This reactor is an important electrical device in the control system of the HPCS diesel generator.

The HPCS reactors were ordered by NEBG and furnished by Morrison-Knudsen, Power Systems Division. After delivery at the site, it was discovered that the mounting brackets had failed during shipment. The supplier subsequently notified GE that the reactor brackets in the panels furnished to the Grand Gulf, and Skagit Projects were different from those which were in the Cofrentes panel on which the seismic qualification tests were performed.

The reactor support in the control panel which was qualified consists of the "U" shaped 3/16" aluminum channel. Grand Gulf and Skagit were supplied with 1/8" aluminum brackets. Should the nonseismically qualified brackets supplied to Grand Gulf and Skagit fail, whether as a result of shipping or during a seismic event, a voltage collapse could be caused, thereby degrading or failing the ability to activate the HPCS diesel generator. Since this could have impacted the ability to achieve safe shutdown, during the unlikely event of an SSE plus loss of offsite power and one division of onsite power, it is deemed reportable per 10CFR21.

Corrective action has been completed for both Grand Gulf and Skagit. The Grand Gulf brackets were replaced with seismically qualified brackets in the field. The Skagit brackets were replaced at Power Systems.