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TELEPHONE
AREA CODE 716 543-3700

September 14, 1973



Mr. John F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Subject: Failure of "A" Steam Generator Steam Flow Channel
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. O'Leary:

In accordance with the Ginna Station Technical Specifications, Section 6.6.2, Paragraph 1.9d, this is to report the abnormal occurrence, #73-8, on September 7, 1973, wherein a flow channel on the 1A Steam Generator failed downscale while at steady state operation at a power level of 1380 MWt.

At 1643 hours on Friday, September 7, 1973, 1A Steam Generator flow channel failed downscale. As the feedwater to the "A" Steam Generator was being controlled by the alternate flow channel, there was no change of feedwater flow.

Operations placed bistables FC465A (Hi Steam Flow) and FC465B (Hi Hi Steam Flow) in the trip mode. In this mode of operation, a two out of four, low T average signal plus a safety injection signal would have instituted Loop A main steam line isolation.

While the channel was in the trip mode, the Plant Operations Review Committee met and determined that there was no safety problem by operating in this manner due to the fact that with the bistables in a tripped mode safety injection and low T average would still give a reactor trip. The committee also directed the Instrument and Control personnel to enter containment to determine the cause of failure.

Their investigation resulted in the discovery that a flexure wire connecting a DP cell to a strain gage, which changes a pressure reading to a current reading, had failed at the soldered joint at the DP cell connection.

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DATE, September 14, 1973

TO Mr. John F. O'Leary

This type of failure is considered a random type of failure and due to the redundant flow channels on each Steam Generator which allow continued operation with components in the trip mode, no potential safety problem is known to have existed.

Very truly yours,


Keith W. Amish

xc: Mr. James P. O'Reilly