

Central File
EQB Rdg. File

MAY 20 1982

MEMORANDUM FOR: William V. Johnston, Assistant Director
Materials and Qualification Engineering
Division of Engineering

FROM: Zoltan R. Rosztoczy, Chief
Equipment Qualification Branch
Division of Engineering

SUBJECT: GENERIC RECOMMENDATION BASED ON THE STEAM GENERATOR
TUBE RUPTURE AT GINNA

My staff reviewed the report (NUREG-909) on the subject incident from the point of view of the plant system response. Our generic recommendation is discussed in the attachment to this memorandum.

Minimal Signed P.L.A.

Zoltan R. Rosztoczy, Chief
Equipment Qualification Branch
Division of Engineering

Enclosure:
As stated

B206110370 B20000
~~CE ADGCK 00000044~~
CF

XA

LPP

D/25

OFFICE	DE:EQB	DE:EQB				
SURNAME	GBagchi/wv	ZRrosztoczy				
DATE	5/17/82	5/20/82				

Generic Recommendation Based On The Steam

Generator Tube Rupture At Ginna

Division of Engineering: Equipment Qualification Branch

Plant System Response: The malfunction of the PORV for the pressurizer was caused by the solenoid valves controlling the air supply to the relief valve. The mechanical operability of a valve similar to the one in Ginna was verified through the test program recently completed by EPRI. However, a combination of air quality and flow restriction to the solenoid valve caused the relief valve to remain stuck open. If plant modifications like the one in Ginna involving air operator flow restriction to safety related valves are performed without a thorough analysis of the effects on the safety related valves, there can be a potential for significant consequences.

The generic concern is that modification of air operators for safety related valves may render them inoperable. As evident from the Ginna incident, in-service inspection and testing cannot simulate the total effect of modification; and therefore, in-service inspection and testing cannot fully assure operability. A careful review should be made as to how all in plant modifications of safety related active valves compare against the manufacturer's recommendations for installation in the plant. Significant deviations from the recommended installation should be evaluated and appropriately dealt with.