



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

JOHN D. LEONARD, JR.

VICE PRESIDENT - NUCLEAR OPERATIONS

June 19, 1984

SNRC-1052

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Removal of Fire Door Pressure Actuated Release
Mechanisms for Carbon Dioxide Protected Areas
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

As a result of preoperational testing of the Carbon Dioxide Total Flooding System, LILCO has identified a concern with regard to the pressure actuated release mechanisms for the fire doors to these rooms. During the construction of the Shoreham Nuclear Power Station, as a result of NRC concerns and litigation settlements, LILCO instituted various modifications throughout the plant. In particular, in response to seismic concerns related to masonry block walls, reinforcing grids were installed on several walls which contain these fire doors. The aforementioned preoperational testing has indicated several interferences between the release chain and the reinforcement grids as well as electrical conduit which could conceivably result in the failure of a door to fully close. As a result, LILCO intends to remove the release mechanism hold open chains from all doors to rooms with CO₂ total flooding protection and maintain these doors in a normally closed position. This affects approximately twenty-seven doors in both safety-related and non safety-related areas of the plant.

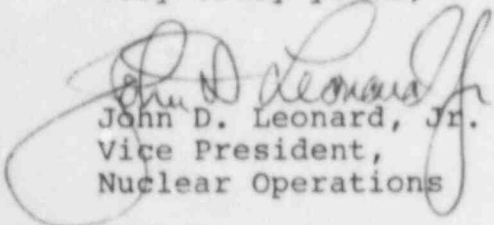
The majority of the fire doors to CO₂ protected safety-related areas will be subject to electrical supervision, prior to fuel load, with alarms in the Control Room and the Security Building. Of the remaining two doors, one is keylocked and both are located where entry is solely provided via electrically supervised key card doors, thus limiting access to the CO₂ protected environs to authorized personnel.

Fire doors in safety-related areas fall under the Shoreham Technical Specification surveillance requirements (Section 3/4.7.8) thereby assuring that, at specified intervals, the channel operability of electrically supervised doors is verified, and keylocked and unlocked doors are inspected to verify closure. An inoperable door (whether held open by some means or mechanically non-functional) falls under the Technical Specification Limiting Conditions for Operation (LCO). The LCO requires the institution of a fire watch when a fire door is deemed inoperable, until such time as the door is again declared operable. Again, it should be noted that these fire doors will normally be maintained in the closed position; the only instance where a door is expected to be held open would be during the removal or installation of equipment, under strict administrative controls.

LILCO believes the removal of the release mechanism hold open chains in conjunction with the electrical supervision and/or Technical Specification surveillance activities will assure a greater operational reliability of the CO₂ total flooding systems.

If any additional information is required, please contact this office.

Very truly yours,



John D. Leonard, Jr.
Vice President,
Nuclear Operations

RJT:ck
Attachment I

cc: C. Petrone
All Parties Listed in Attachment I

ATTACHMENT I

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Attachment I

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