



# LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

Direct Dial Number

February 18, 1983

SNRC-840

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

NRC Staff Positions and Requests For Additional Information  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

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Reference: A. Schwencer letter to M. S. Pollock, dated January 6, 1983,  
"Shoreham Nuclear Power Station, Unit 1 - Staff Position  
and Requests for Further Information."

Dear Mr. Denton:

Enclosures (2) and (3) of the above referenced document presented  
staff positions on Core Spray Injection Valve Logic and indication/  
annunciation of LPCI Injection Valve permissive relays, respectively.

As required by the NRC staff, LILCO commits to the following:

## Low Pressure Coolant Injection

LPCI low pressure permissive relay will be annunciated at panel  
1H11\*PNL601, on annunciator boards A-1 (system A) and A-2  
(system B). These annunciators have been located in accordance  
with good human engineering practices and will be installed prior  
to fuel load.

## Core Spray

Prior to startup after the first refueling outage, LILCO will  
modify the core spray system injection valve low pressure  
permissive interlock so as to preclude overpressurization of  
downstream piping which could occur coincident with a failure  
of the core spray loop injection check valve. A conceptual  
design will be furnished to the NRC prior to implementation  
of modifications.

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After initial startup and until such time as these modifications are complete, LILCO will (in addition to normal surveillance requirements) demonstrate operability of core spray system check valve 1E21-FOO6 (A&B) by verifying that leakage is within allowable limits;

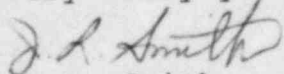
- 1) whenever the unit has been in cold shutdown, after the last check valve disturbance (i.e. check valve changes position) prior to reactor coolant system temperature exceeding 200°F.
- 2) within 24 hours following check valve disturbance except when in cold shutdown.

Enclosure (5) of the referenced document requires that LILCO revise the FSAR to reflect the existence of potentially unmonitored release points for turbine building atmosphere. Accordingly, the following information will be incorporated into a future ammendment to the FSAR.

- 1) A description of those lines identified in the referenced document
- 2) Expected and maximum flow rates through those lines,
- 3) Justification for concluding that contamination levels in these lines will not be more significant than the radio-activity contamination level in the monitored turbine building exhaust, and
- 4) Design improvements recently completed for one of those lines (i.e. installation of a seal plug on the RFPT head tank vent).

LILCO believes these commitments to be in compliance with NRC Staff requirements and that these issues are resolved. Should you require further information, please feel free to contact this office.

Very truly yours,



J. L. Smith  
Manager, Special Project  
Shoreham Nuclear Power Station

DWD:bc

cc: J. Higgins  
All Parties Listed in Attachment 1

ATTACHMENT 1

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