



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

Direct Dial Number
June 30, 1983

SNRC-904

Dr. Thomas E. Murley
Regional Administrator
Office of Inspection & Enforcement - Region I
631 Park Avenue
King of Prussia, PA 19406

Response to I.E. Bulletin 83-03
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Reference: 1. Letter dated April 1, 1983, from
R. W. Starostecki to M. S. Pollock

Dear Dr. Murley:

This letter is in response to IEB 83-03, "Check Valve Failures in Raw Water Cooling System of Diesel Generators", and the letter from Mr. R. W. Starostecki to M. S. Pollock dated April 1, 1983 (reference 1).

There are six service water system diesel generator cooling water check valves at Shoreham. The Shoreham In-Service Test (IST) Program for valves includes all six of these valves.

The following is a listing of the valves by mark number and location:

<u>Mark No.</u>	<u>Description</u>	<u>Type</u>
P41*06V-0013A	Diesel 101 Loop A Supply Check Valve	Mission Mfg. Co. 6" ø "DUO-Check" 150 lb. insert type check valve
P41*06V-0013B	Diesel 102 Loop A Supply Check Valve	"
P41*06V-0013C	Diesel 103 Loop A Supply Check Valve	"
P41*06V-0014A	Diesel 101 Loop B Supply Check Valve	"
P41*06V-0014B	Diesel 102 Loop B Supply Check Valve	"

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<u>Mark No.</u>	<u>Description</u>	<u>Type</u>
P41*06V-0014C	Diesel 103 Loop B Supply Check Valve	Mission Mfg. Co. 6" ø "DUO-Check" 150 lb insert type check valve

Currently, the valve In-Service Test Program at Shoreham specifies quarterly verification of both forward and reverse flow operability for the check valves indicated above. This testing complies with IEB 83-03 which requires flow tests to confirm the integrity of valve internals.

Station Procedure SP24.122.01 Rev. 2, "Service Water Pump Flow Rate Test and Valve Operability Test" describes the methodology to be used to achieve this. The procedure is available for on-site review by the NRC Resident Inspector. Failure of any one of the six check valves would be determined during the implementation of this Station Procedure. Lack of normal flow would indicate either of the following:

1. The check valve, being forward flow tested, has failed to open or has experienced disk/hinge separation and flow is being blocked by the detached disk.
2. The check valve, being reverse flow tested, has failed to close due to either a separated or stuck disk, causing a significant flow diversion into the idle Service Water Loop.

As requested in IEB 83-03, LILCO will perform the initial valve integrity verification procedures contained in Shoreham Station Procedure SP24.122.01, for the aforementioned six check valves, prior to fuel load. A report will be submitted to the NRC within ninety (90) days of completion of the results of the station procedure. The report will include a description of valve failures, if encountered.

To date, there have been no known failures of the check valves in question.

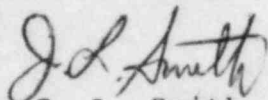
LILCO believes the information stated herein to be sufficient to resolve the requirements of IEB 83-03 for the Shoreham Nuclear Power

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Station.

Should you have any questions, please contact this office.

Very truly yours,



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

GML:bc

cc: J. Higgins
T. E. Murley
All Parties Listed in Attachment 1

ATTACHMENT 1

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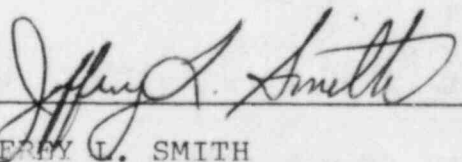
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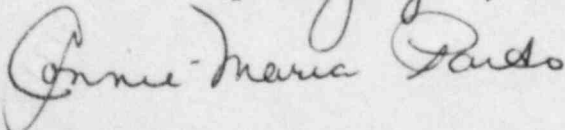
STATE OF NEW YORK)
 : ss.:
COUNTY OF SUFFOLK)

JEFFREY L. SMITH, being duly sworn, deposes and says that I am the Manager, Special Projects for Long Island Lighting Company, the owner of the Shoreham Nuclear Power Station. I have read IE Bulletin No. 83-03 dated April 1, 1983, and also the response thereto dated June 30, 1983 prepared under my direction. The facts set forth in said response are based upon reports and information provided to me by the employees, agents, and representatives of Long Island Lighting Company responsible for the activities described in said IE Bulletin and in said response. I believe the facts set forth in said response are true.



JEFFREY L. SMITH

Sworn to before me this
5 day of July, 1983



CONNIE-MARIA PARDO
NOTARY PUBLIC, State of New York
No. 52-46158-10
Qualified in Suffolk County
Commission Expires March 30, 1985