



## 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

July 26, 1985

SNRC-1193

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

Hydrogen Analysis Methodology Approval  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

Reference: 1. Letter SNRC-1186, dated June 27, 1985  
2. Inspection Report No. 50-322/85-04,  
dated June 15, 1985  
3. NUREG-0737 Item II.B.3. Post-Accident Sampling  
Capability

Dear Mr. Denton.

Per LILCO's commitment in the Reference 1 letter, we are requesting a documented approval from the Office of Nuclear Reactor Regulation on our methodology to satisfy the requirements of NUREG-0737, II.B.3.

The NRC Position as stated, in part, in Reference 3 is as follows: "If In-Line Monitoring is used....the licensee shall provide backup sampling through grab samples." Based on this position LILCO provided a description of the post accident sampling system in Volume 16 of the FSAR, Section II.B.3, which included identification of those on-line parameters which required a grab sample as a backup.

During the February 11-15, 1985, Inspection No. 85-04 (Reference 2) the following was stated as part of the findings; "The analysis of hydrogen in the containment atmosphere is provided for by redundant on-line continuous analyzers, as required by item II.F.1-6. No provisions have been made for the conduct of

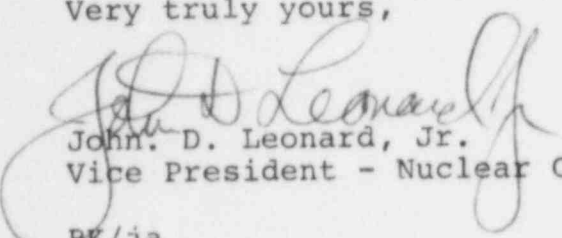
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hydrogen analysis on grab samples. This arrangement has been considered and found acceptable by NRR." Additionally the report states, as part of Inspection Item 85-04-19; "Obtain documented approval from NRR which allows the licensee to solely use in-line hydrogen analysis methodology to satisfy the requirements of NUREG-0737, II.B.3." In accordance with Reference 2, we would like to receive written approval of this methodology therein affording prompt closure of this Inspection Item. The use of redundant hydrogen analyzers is described in Volume 16 of the FSAR, Section II.F.1., Attachment 6.

Should you require additional information, please do not hesitate to contact this office.

Very truly yours,



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

BK/ja

cc: J. A. Berry