

OCT 7 1982

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Docket No.: 50-322

Mr. M. S. Pollock
Vice President - Nuclear
Long Island Lighting Company
175 East Old Country Road
Hicksville, New York 11801

Dear Mr. Pollock:

Subject: Resolution of LRG-II Channel Box Deflection Issue
(LRG-II Issue 3-CPB)

In a generic topical report (NEDE-21354) General Electric describes a channel lifetime prediction method and a backup recommendation for periodic channel deflection measurements that consist of settling friction tests. Upon consideration of the factors involved, the NRC staff concluded that the settling friction tests or an acceptable alternative (such as, channel dimensional deflection measurements) should be performed. Basically, the staff accepted a multistep procedure that had been proposed by the Zimmer applicant. The key ingredient of the Zimmer plan was a commitment to: (a) perform some control rod settling friction tests, which would provide an exact profile of control rod drive friction versus position at refueling outages, or (b) make some actual channel dimensional measurements.

With a letter (D. L. Holtzcher, Illinois Power Company, to Howard J. Faulkner, NRC) dated May 17, 1982, LRG-II submitted a position paper on channel box deflection that incorporated several of the same features as the Zimmer proposal. The staff has reviewed this submittal and has prepared a position paper closing out this issue for LRG-II plants. A copy of the staff's position paper is enclosed.

To maintain our licensing review schedule for Shoreham Nuclear Power Station, please respond to the channel box deflection issue for Shoreham as soon as possible.

Please contact Edward J. Weinkam, Licensing Project Manager, if you desire any discussion or clarification.

Sincerely,

Original signed by:

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

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DATE	cc: See next page	10/7/82	10/7/82			

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