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FILE NO.

DIRECT DIAL NO. 804 788-

August 16, 1983

Jame, A. Laurenson, Chairman
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U.S. Nuclear Regulatory
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LILCO's Reports on
Diesel Generator Crankshaft Failure

Dear Administrative Law Judges:

Enclosed for your information are two reports that have been sent to the Brenner Board. (The initial report was sent yesterday, August 15, and the supplemental report was telecopied earlier today, August 16.) The reports are about a failure in the crankshaft of Emergency Diesel Generator 102.

This development indicates that there will be some delay in the resolution of safety issues involving the diesel generators. LILCO believes, however, that this delay should have no impact on the schedule for the emergency planning issues. The

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LILCO, August 15, 1983

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
LONG ISLAND LIGHTING COMPANY)	
)	Docket No. 50-322 (OL)
(Shoreham Nuclear Power Station,)	
Unit 1))	
)	
)	

LILCO REPORT AND REQUEST
FOR TEMPORARY DEFERRAL

Late in the day on Friday, August 12, 1983, Emergency Diesel Generator 102 was undergoing tests following the installation of new cylinder heads. In the course of the test, the engine experienced vibration and load fluctuations. The operators reduced load and then removed the engine from service. The engine was allowed to cool overnight and, on Saturday morning, August 13, it was examined. The inspection revealed a failure in the crankshaft in the vicinity of the no. 7 cylinder. Evidence of the failure was a crack that completely severed the shaft. An investigation of this failure is underway.

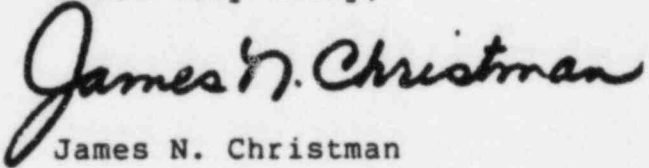
The cause of the crankshaft failure is not yet known, nor does LILCO know at this time how soon it will be possible to reach a conclusion concerning the cause or the ramifications of the failure. In light of all this, LILCO believes it is

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emergency planning litigation should proceed apace because the length and complexity of the emergency planning contentions make it clear that the emergency planning litigation will take months even after hearings begin.

Yours very truly,

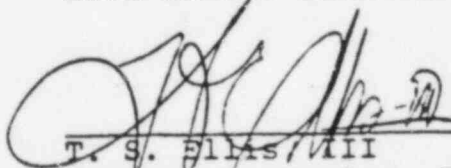
James N. Christman

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cc: Service List

appropriate, and therefore requests, that the schedule for litigation of the cylinder head cracking issue, including the filing of testimony, be held in abeyance temporarily until more can be learned about the crankshaft event. On the basis of a telephone conference with Mr. Daniel Brown, Law Clerk to the Board, and all parties, LILCO believes the Staff and the County concur that this is appropriate. LILCO suggests that a telephone conference of the Board and parties be scheduled at a time convenient for the Board on Friday, August 26, 1983 for the purpose of considering an appropriate schedule.

Respectfully submitted,

LONG ISLAND LIGHTING COMPANY



T. S. Ellis, III
Anthony F. Earley, Jr.

Hunton & Williams
Post Office Box 1535
Richmond, Virginia 23212

DATED: August 15, 1983

CERTIFICATE OF SERVICE

In the Matter of
LONG ISLAND LIGHTING COMPANY
(Shoreham Nuclear Power Station, Unit 1)
Docket No. 50-322 (OL)

I hereby certify that copies of LILCO's REPORT AND REQUEST FOR TEMPORARY DEFERRAL were served this date upon the following by first-class mail, postage prepaid, and telecopied to those indicated with an asterisk:

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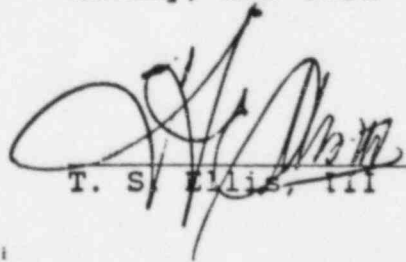
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DATED: August 15, 1983