

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

'82 MAY -7 11:45  
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Before the Atomic Safety and Licensing Board

In the Matter of )

LONG ISLAND LIGHTING COMPANY )

(Shoreham Nuclear Power Station, )  
Unit 1) )

Docket No. 50-322 (OL)



Resolution of Shoreham Opponents  
Coalition Contention 19(j),  
Turbine Orientation, Upon LILCO's  
Agreement to Satisfy SOC's Concerns

Shoreham Opponents Coalition (SOC) Contention 19(j) concerns the adequacy of Long Island Lighting Company's (LILCO's) protection against low-trajectory turbine missiles. SOC has argued that LILCO's turbine orientation is unfavorable with respect to safety-related structures.

Following the April 13, 1982 filing of direct testimony on SOC 19(j), SOC and LILCO have discussed certain commitments that LILCO is willing to make to satisfy SOC's concerns about turbine missiles. By this Resolution Agreement, LILCO commits to certain steps, described below, regarding turbine inspections. Based upon LILCO's agreement to take these steps, SOC no longer wishes to pursue SOC 19(j), and SOC and LILCO will jointly urge the Licensing Board to terminate further litigation of SOC 19(j).

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SOC will withdraw its testimony on Contention 19(j) and LILCO will include the following conditions and requirements in the Shoreham Technical Specifications in the section entitled "Limiting Conditions for Operations and Surveillance Requirements, Part 3/4.7.10, Main Turbine Bypass System":

(a) Limiting conditions for operation

3.4.7.10(a) -- The main turbine control system shall be operable for operation conditions one and two (power and startup).

(b) Surveillance Requirements

(1) 4.4.7.10(a) -- The main steam turbine stop and control valves and the combined intermediate valves will be exercised daily. During this procedure, the valves will be tested fully closed by sequence testing. Weekly tests will also be performed on these valves to observe travel of the valve stems and linkage locally. Mechanical and electrical backup overspeed trip tests will be performed weekly while carrying load and without tripping the unit by using special test provisions.

(2) Integrity of the turbine rotor shall be demonstrated by requiring:

(a) Complete visual inspection and magnetic particle tests of all external surfaces at each outage the rotor is exposed.

(b) Extensive ultrasonic testing of the shrunk-on wheels, wheel bores, and keyway surfaces at six-year intervals.

(3) If the recommended frequency of these inspections and tests is modified by the turbine manufacturer, appropriate changes shall be made to the above requirements.

SOC concurs in this Resolution Agreement.

Respectfully submitted,

  
W. Taylor Reveley, III

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DATED: May 3, 1982

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

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CERTIFICATE OF SERVICE

I hereby certify that service has been made this date  
by deposit in the U.S. Mail, first class, postage prepaid, or  
By Hand (\*) of copies of Resolution of Shoreham Opponents  
Coalition Contention 19(j), Turbine Orientation, Upon LILCO's  
Agreement to Satisfy SOC's Concerns on each of the following  
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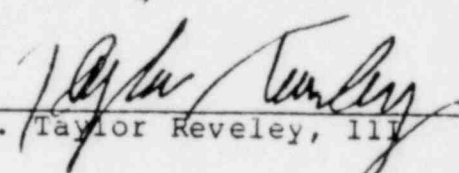
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