

RELATED CORRESPONDENCE

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June 26, 1984

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In the Matter of
LONG ISLAND LIGHTING COMPANY
(Shoreham Nuclear Power Station, Unit 1)
Docket No. 50-322-OL-4 (Low Power)

Gentlemen:

By letter dated June 19, 1984, the Staff identified a number of witnesses it planned to present at the low power hearing. The Staff herein identifies additional witnesses it may present at that hearing. Specifically, the Staff may present the following three additional witnesses:

Sang Bo Kim. Mr. Kim is an engineer in the NRC's Structural Engineering Branch. His testimony would address the seismic capabilities of portions of Shoreham's power system. Mr. Kim has previously testified in the Shoreham full-power operating license proceeding; a copy of his qualifications is attached.

James Clifford. Mr. Clifford is an engineer in the Procedures and Systems Review Branch. His testimony would address the procedures involved in acquiring power from the augmented emergency power sources in the event of a loss of offsite power at Shoreham. His qualifications are attached.

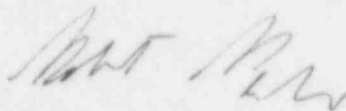
In addition to Messrs. Kim and Clifford, the Staff may present a witness from the Equipment Qualification Branch. If so, this witness would provide testimony addressing the seismic capabilities of various components of Shoreham's emergency power systems. No individual has been identified as

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yet; the Staff will update this response when more information becomes available.

Sincerely,



Robert G. Perlis
Counsel for NRC Staff

Attachment: As Stated

cc: (w/attachment)

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PROFESSIONAL QUALIFICATIONS
JAMES WILLIAM CLIFFORD

My name is James William Clifford. I am employed as an Operational Safety Engineer in the Procedures and Systems Review Branch, Division of Human Factors Safety, Office of Nuclear Reactor Regulation, U. S. Nuclear Regulatory Commission, Washington, D. C. I have held this position since October, 1980. I have also been assigned as Acting Section Leader, Section A (Procedures) of the Procedures and Systems Review Branch for the period of March 28, 1983 to September 11, 1983. The Procedures and Systems Review Branch reviews and evaluates licensee programs for the technical, human factors, and operational aspects of nuclear power plant operating and maintenance procedures. I was involved in the pre-licensing audit of emergency operating procedures at five (5) applicants' sites, and have reviewed the emergency operating procedure development programs for eight (8) applicants and operating reactors. These reviews included the evaluation of technical guidelines, operational concerns, and the human factors guidelines to be used in the development and implementation of the emergency operating procedures. I was involved as one of the principal staff reviewers for the human factors aspects of emergency operating procedure generic technical guidelines for B&W and Combustion Engineering Owners Group guidelines, and, through the reviews of procedures for three (3) BWR applicants, assisted in the evaluation of the adequacy of the BWR Owners Group guidelines. I was the principal reviewer for the operational and human factors concerns for the Pressurized Thermal Shock generic issue, including audits of emergency operating procedures for six plants.

From July 1978 to October 1980, I was a naval officer qualified the equivalent of a shift supervisor at the naval nuclear power prototype at Windsor, Ct., where my responsibilities included supervision of plant

operations, training of new personnel, and ensuring the continued expertise of experienced personnel. From March 1976 to July 1978 I was a naval officer assigned to a nuclear powered ship, where my responsibilities included safe operation of the ship's nuclear power plant.

I earned a BS degree in Systems Engineering from the U. S. Naval Academy in 1974. During my naval service and my employment with the NRC, I have attended several courses, varying from 1 week to six months in duration, on plant engineering, human factors, and plant operations. I am previously qualified as Chief Engineer Officer for Naval Nuclear Propulsion Plants.

PROFESSIONAL QUALIFICATIONS
SANG BO KIM

My name is Sang Bo Kim. I am a Senior Structural Engineer in the Structural Engineering Branch, Division of Engineering, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission.

I received a B.S. degree in Engineering Mechanics from the University of Illinois in 1960, a M.S. degree in Applied Mechanics from Rensselaer Polytechnic Institute in 1965, and a M.S. in Applied Mathematics from New York University in 1968.

Prior to joining the Nuclear Regulatory Commission, I was a Supervisory Engineer for David Ehrenpreis, Consulting Engineers (1960 - 1963), a Stress Analyst for Combustion Engineering (1963 - 1965); a Senior Engineer for the Singer Company (1965 - 1968), a Senior Engineer for Gulf United Nuclear Fuels Corporation (1968 - 1971), and a Lead Engineer for Nuclear Fuels Service (1971 - 1972).

I joined the NRC in 1972 as a Structural Engineer in the Transportation Branch of the Office of Nuclear Materials Safety and Safeguard. From 1973 to 1979 I was a Reactor Engineer with the Core Performance Branch of the Office of Nuclear Reactor Regulation, from 1979 to the present I have been a Senior Structural Engineer with the Structural Engineering Branch of the Office of Nuclear Reactor Regulation. My present duties include: evaluating the structural and earthquake engineering aspects of safety-related structures, systems and components, as proposed in Safety Analysis Reports, from the standpoint of functional capability and integrity, under normal plant operation, and for safe plant shutdown during normal, transient, accident and environmental conditions; performing independent calculations and engineering analyses to confirm or verify applicants' or vendors' assessment of structural integrity and response under pertinent load combinations, including postulated transient and accident conditions; and performing on-site technical audits of applicants' plant designs for selected structures and systems in the branch's area of responsibility to observe "as built" implementation of NRC Safety criteria.