

June 8, 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
(Shoreham Nuclear Power Station,) (OL)
Unit 1))

NRC STAFF RESPONSE TO SUFFOLK COUNTY SUBMISSION
OF DATA REGARDING SHOREHAM DIESEL GENERATORS

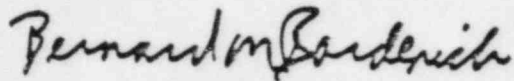
The attached "Affidavit of James C. Higgins Regarding Shoreham Diesel Generators" is being filed in response to the "Suffolk County Submission of Data Regarding Shoreham Diesel Generators" dated May 26, 1983. The County's filing stated in part that:

On Thursday, May 19, 1983 at approximately 8:00 p.m., the Suffolk County Executive received a telephone call at his home from a person identified only as an employee of LILCO. The caller said that Shoreham emergency diesel generator no. 103 has passed tests with a cracked engine block, and the NRC is not aware of the crack. According to the caller, the crack is in the area of the camshaft bearing support; LILCO attempted to grind out the crack, but it was too deep and therefore LILCO decided the crack is "normal" for the cast iron casting of the diesel.

As is clearly evidenced by the attached affidavit, the NRC staff was 1) promptly informed by LILCO that they had identified surface crack indications in each of the diesel generators in the area of the camshaft

block; and 2) that based on present information these surface cracks have no safety significance.

Respectfully submitted,

A handwritten signature in cursive script that reads "Bernard M. Bordenick".

Bernard M. Bordenick
Counsel for NRC Staff

Dated at Bethesda, Maryland
this 8th day of June, 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.)

)

AFFIDAVIT OF JAMES C. HIGGINS

REGARDING SHOREHAM DIESEL GENERATORS

STATE OF MARYLAND)

)

COUNTY OF MONTGOMERY)

I, James C. Higgins, being duly sworn, do depose and state as follows:

1. I am employed by the U. S. Nuclear Regulatory Commission as the Senior Resident Reactor Inspector at the Shoreham Nuclear Power Station, Unit 1.
2. As Senior Resident Reactor Inspector, I perform inspections and investigations and coordinate NRC activities at the site.
3. The purpose of my affidavit is to address the "Suffolk County Submission of Data Regarding Shoreham Diesel Generators," dated May 26, 1983, and stating in part:

" . . . Shoreham emergency diesel generator no. 103 has passed tests with a cracked engine block, and the NRC is not aware of the crack. According to the caller (anonymous), the crack is in the area of the camshaft bearing support; LILCo attempted to grind out the crack, but it was too deep; and, therefore, LILCo decided the crack is "normal" for the cast iron casting of the diesel."

4. On or about March 30, 1983, I was orally informed by LILCo about surface crack indications in the camshaft block area of each of the three Delaval

diesel generators. I was provided additional information by LILCo during the next few weeks, including that a crack had been ground on and was not ground out.

5. Subsequent to initial notification by LILCo, I and my present supervisor visually inspected the cracks.
6. I have reviewed the licensee's reports prepared by C. R. Isleib and Associates, and by Delaval, on surface indications in the diesel generator camshaft block area. At this time, I have no reason to disagree with the conclusions stated therein.
7. The information thus far provided to me indicates that the crack indications in the camshaft block area resulted from the manner of casting and cooling the block, not from preoperational testing, and that these surface cracks affect neither diesel serviceability nor safety.
8. The crack indications, and other diesel generator concerns, are being evaluated and reported on by a consultant retained by the NRC staff. That consultant has performed onsite inspection of the diesel generators and of associated records and reports.

James C. Higgins

Subscribed and Sworn to before
me this day of June 1983

Notary Public

My Commission expires: _____

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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)

CERTIFICATE OF SERVICE

I hereby certify that copies of "NRC STAFF RESPONSE TO SUFFOLK COUNTY SUBMISSION OF DATA REGARDING SHOREHAM DIESEL GENERATORS" in the above-captioned proceeding have been served on the following by deposit in the United States mail, first class or, as indicated by an asterisk, through deposit in the Nuclear Regulatory Commission's internal mail system, this 8th day of June, 1983:

Lawrence Brenner, Esq.*
Administrative Judge
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ralph Shapiro, Esq.
Cammer and Shapiro
9 East 40th Street
New York, NY 10016

Dr. James L. Carpenter*
Administrative Judge
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Howard L. Blau, Esq.
217 Newbridge Road
Hicksville, NY 11801

Dr. Peter A. Morris*
Administrative Judge
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

W. Taylor Reveley III, Esq. **
Hunton & Williams
P.O. Box 1535
Richmond, VA 23212

Matthew J. Kelly, Esq.
Staff Counsel
New York Public Service Commission
3 Rockefeller Plaza
Albany, NY 12223

Cherif Sedkey, Esq.
Kirkpatrick, Lockhart, Johnson
& Hutchison
1500 Oliver Building
Pittsburgh, PA 15222

**Also served, via telecopy, on June 8, 1983.

Stephen B. Latham, Esq.
John F. Shea, III, Esq.
Twomey, Latham & Shea
Attorneys at Law
P.O. Box 398
33 West Second Street
Riverhead, NY 11901

Atomic Safety and Licensing
Board Panel*
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Atomic Safety and Licensing
Appeal Board Panel*
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Docketing and Service Section*
Office of the Secretary
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Spence Perry, Esq.
Associate General Counsel
Federal Emergency Management Agency
Room 840
500 C Street, S.W.
Washington, D.C. 20472

Herbert H. Brown, Esq. **
Lawrence Coe Lanpher, Esq.
Karla J. Letsche, Esq.
Kirkpatrick, Lockhart, Hill,
Christopher & Phillips
1900 M Street, N.W.
8th Floor
Washington, D.C. 20036

Daniel F. Brown, Esq.*
Attorney
Atomic Safety and Licensing Board
Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

James B. Dougherty, Esq.
3045 Porter Street, N.W.
Washington, D.C. 20008

Stewart M. Glass, Esq.
Regional Counsel
Federal Emergency Management
Agency
26 Federal Plaza
Room 1349
New York, NY 10278

Bernard M. Bordenick

Bernard M. Bordenick
Counsel for NRC Staff

**Also served, via telecopy, on June 8, 1983.

COURTESY COPY LIST

Edward M. Barrett, Esq.
General Counsel
Long Island Lighting Company
250 Old County Road
Mineola, NY 11501

Mr. Brian McCaffrey
Long Island Lighting Company
175 East Old Country Road
Hicksville, New York 11801

Marc W. Goldsmith
Energy Research Group, Inc.
400-1 Totten Pond Road
Waltham, MA 02154

David H. Gilmartin, Esq.
Suffolk County Attorney
County Executive/Legislative Bldg.
Veteran's Memorial Highway
Hauppauge, NY 11788

Ken Robinson, Esq.
N.Y. State Dept. of Law
2 World Trade Center
Room 4615
New York, NY 10047

Mr. Jeff Smith
Shoreham Nuclear Power Station
P.O. Box 618
North Country Road
Wading River, NY 11792

MHB Technical Associates
1723 Hamilton Avenue
Suite K
San Jose, CA 95125

Hon. Peter Cohalan
Suffolk County Executive
County Executive/Legislative Bldg.
Veteran's Memorial Highway
Hauppauge, NY 11788

Mr. Jay Dunkleberger
New York State Energy Office
Agency Building 2
Empire State Plaza
Albany, New York 12223

Ms. Nora Bredes
Shoreham Opponents Coalition
195 East Main Street
Smithtown, NY 11787