



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

December 21, 1980

SNRC-522

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Environmental Qualification of Safety-Related Equipment
NRC Information Request, Dated 10/1/80
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

Attached is the information which was requested regarding environmental qualification tests which have been authorized by LILCO for equipment to be used in safety-related applications at the Shoreham plant. We trust that this information will be of assistance to your long range planning and scheduling goals. If additional information is required, please do not hesitate to contact this office.

Very truly yours,

J. P. Novarro,
Project Manager
Shoreham Nuclear Power Station

RH/cc

Attachment

cc: Mr. B. Grier, Director
Office of Inspection and Enforcement

Mr. J. Higgins

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COGNIZANT LICENSING REPRESENTATIVE: Dr. Joan F. Etzweiler
Long Island Lighting Company
175 East Old Country Road
Hicksville, N. Y. 11801
(516) 733-4784

CURRENT EQUIPMENT QUALIFICATION TESTING

A. ASCO PRESSURE AND TEMPERATURE SWITCHES

1. Manufacturer

Automatic Switch Company (ASCO)
50-56 Hanover Road
Florham Park, New Jersey 07932

2. Equipment Description

ASCO Tri-Point Series SB11, SB21, and SB31 pressure and temperature switch assemblies (fixed deadband type) with associated pressure and temperature transducer assemblies.

3. Systems

These pressure and temperature switches are used in the following Shoreham Unit 1 systems:

System Serviced - (M50) - RBSVS + Control Rm. AC
Chilled Water
(P41) - RHR + Station Service Water
(P42) - Reactor Building Closed Loop
Cooling Water
(C71) - Reactor Protection
(N21) - Condensate + Feedwater
(R43) - Diesel Emergency Power
(Z91) - Spares

4. Test Location and Schedule

The test will be conducted at the manufacturer's facility (above) with the following anticipated completion dates:

<u>DESCRIPTION</u>	<u>ESTIMATED DATE</u>
Seismic Baseline Testing	January 30
Thermal Aging	April 3
Radiation Aging	April 10
Wear Aging	April 15
Vibration Aging	April 22
Seismic Event Simulation	May 27
Accident Radiation Simulation	June 3
Accident Steam Line Break Simulation	July 8
Final Inspection	July 13

B. ASCO AUTOMATIC TRANSFER SWITCHES

1. Manufacturer

Automatic Switch Company (ASCO)
50-56 Hanover Road
Florham Park, New Jersey 07932

2. Equipment Description

Automatic Transfer Switches catalog numbers 307A66AC
and 307A66BC.

3. System

This equipment is used in safety-related motor control
centers (R24).

4. Test Location and Schedule

Thermal testing of the devices is complete. Testing
of irradiated samples will resume shortly, though a
definitive schedule has not been developed at this
time. The test location is:

Acton Environmental Test Corporation
533 Main Street
Acton, Massachusetts 01720

C. AC AND DC DISTRIBUTION PANEL BOARDS

1. Manufacturer

Systems Control
P. O. Box 738
Iron Mountain, MI. 49801

C. AC AND DC DISTRIBUTION PANEL BOARDS (Cont.)

2. Equipment Description

These distribution boards are "engineered items", and accordingly, the manufacturer does not provide model numbers.

3. Systems

These panel boards are used in the 125v DC Battery Power (R42) and the AC Instrument Power (R35) systems.

4. Test Location and Schedule

The environmental testing schedule and requirements are currently being developed. Acton Environmental Test Corporation has been selected for the test facility.