



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

LONG ISLAND LIGHTING COMPANY
DOCKET NO. 50-322
SHOREHAM NUCLEAR POWER STATION
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 2
License No. NPF-36

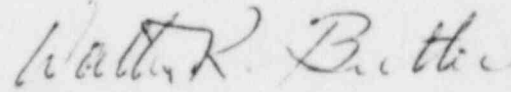
1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for an amendment filed by the Long Island Lighting Company, dated October 21, 1985 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-36 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 2, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This amendment is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
BWR Project Directorate No. 4
Division of BWR Licensing

Enclosure:
Changes to the Technical Specifications

Date of Issuance: MAR 04 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 2
FACILITY OPERATING LICENSE NO. NPF-36
DOCKET NO. 50-322

Replace the following pages of the Appendix "A" Technical Specifications with enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

REMOVE

3/4 3-71*
3/4 3-72
3/4 3-73*
3/4 3-74

INSERT

3/4 3-71
3/4 3-72
3/4 3-73
3/4 3-74

* These pages have not been revised by this amendment, but are included because the accompanying page on the other side of the sheet has been revised.

INSTRUMENTATION

ACCIDENT MONITORING INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.7.5 The accident monitoring instrumentation channels shown in Table 3.3.7.5-1 shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

With one or more accident monitoring instrumentation channels inoperable, take the ACTION required by Table 3.3.7.5-1.

SURVEILLANCE REQUIREMENTS

4.3.7.5 Each of the above required accident monitoring instrumentation channels shall be demonstrated OPERABLE by performance of the CHANNEL CHECK and CHANNEL CALIBRATION operations at the frequencies shown in Table 4.3.7.5-1.

TABLE 3.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>REQUIRED NUMBER OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>ACTION</u>
1. Reactor Vessel Pressure	2	1	80
2. Reactor Vessel Water Level	2	1	80
3. Suppression Pool Water Level	2	1	80
4. Suppression Pool Water Temperature	2/sector	1/sector	80
5. Drywell Pressure	2	1	80
6. Drywell Air Temperature	1	1	80
7. Drywell and Suppression Chamber Oxygen Concentration	2	1	80
8. Drywell and Suppression Chamber Hydrogen Concentration Analyzer and Monitor	2	1	80
9. Safety/Relief Valve Position Indicators	1/valve	1/valve	80
10. Primary Containment Gross Radiation Monitors	2	1	81
11. High Range Plant Vent Stack*	1	1	81
12. High Range Reactor Bldg. Standby Ventilation System*	1	1	81
13. Low Range Reactor Bldg. Standby Ventilation System*	1	1	81
14. Low Range Plant Vent Stack*	1	1	81

*Noble gas monitors.

TABLE 3.3.7.5-1 (Continued)

ACCIDENT MONITORING INSTRUMENTATION

ACTION STATEMENTS

ACTION 80 -

- a. With the number of OPERABLE accident monitoring instrumentation channels less than the Required Number of Channels shown in Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE requirements of Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

ACTION 81 - With the number of OPERABLE Channels less than required by the Minimum Channels OPERABLE requirement, either restore the inoperable channel(s) to OPERABLE status within 72 hours, or:

- a. Initiate the preplanned alternate method of monitoring the appropriate parameter(s), and
- b. Prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days following the event outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the system to OPERABLE status.

TABLE 4.3.7.5-1
ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Reactor Vessel Pressure	M	R
2. Reactor Vessel Water Level	M	R
3. Suppression Pool Water Level	M	R
4. Suppression Pool Water Temperature	M	R
5. Drywell Pressure	M	K
6. Drywell Air Temperature	M	R
7. Drywell and Suppression Chamber Oxygen Concentration	M	R***
8. Drywell and Suppression Chamber Hydrogen Concentration Analyzer and Monitor	M	Q*
9. Safety/Relief Valve Position Indicators	M	R
10. Primary Containment Gross Radiation Monitors	M	R**
11. High Range Plant Vent Stack#	M	R
12. High Range Reactor Bldg. Standby Ventilation System#	M	R
13. Low Range Reactor Bldg. Standby Ventilation System#	M	R
14. Low Range Plant Vent Stack#	M	R

*Using calibration sample gas containing:

- a. Zero volume percent hydrogen, balance nitrogen.
- b. Twenty-nine volume percent hydrogen, balance nitrogen.

**CHANNEL CALIBRATION shall consist of an electronic calibration of the channel, not including the detector for range decades above 10 R/hr and a one point calibration check of the detector below 10 R/hr with an installed or portable gamma source.

***Using calibration sample gas containing:

- a) Zero volume percent oxygen, balance nitrogen
- b) Twenty-nine volume percent oxygen, balance nitrogen.

#Noble gas monitors.