



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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Startup Program Staff
Shoreham Nuclear Power Station - Unit 1
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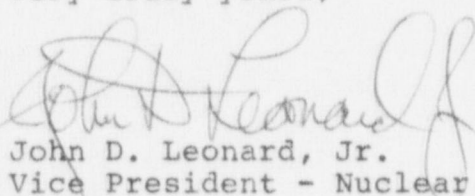
Gentlemen:

This letter transmits a future addition to the SNPS USAR to reflect the current SNPS startup organization. The attachment to this letter contains the proposed revised pages where the changes are indicated by revision bars in the right margins.

The startup organization described in the USAR Sections 14.1.1.1 and 14.2 was in effect only through preoperational testing and has since been changed. The new Startup Program Staff is reflected in the addition to USAR Section 14.1.4 and the addition of new USAR Section 14.3 which provides a list of the persons involved in power ascension testing and describes their responsibilities. Also included are appropriate Table of Contents updates. These additions to USAR Chapter 14 will also be reported in the transmittal of the next USAR update as required by 10 CFR 50.71(e).

Should you require any additional information concerning this submittal, do not hesitate to contact this office.

Very truly yours,



John D. Leonard, Jr.
Vice President - Nuclear Operations

AD/ap
Attachment

cc: S. Brown
W. T. Russell
F. Crescenzo

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Attachment to SNRC-1566

SNPS USAR Revisions
Update to Startup Program Staff
(7 pages)

SHOREHAM USAR

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INSERT A

INSERT A

- 14.3 Startup Program Staff for Fuel Loading and Power Ascension Testing
 - 14.3.1 Organization and Responsibilities for Startup Testing
 - 14.3.1.1 Plant Manager
 - 14.3.1.2 Reactor Engineer
 - 14.3.1.3 Operating Engineer
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 - 14.3.1.6 Watch Engineer
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 - 14.3.1.8 G.E. Operations Manager
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 - 14.3.1.11 Test Coordinator
 - 14.3.1.12 Startup, Test, Design and Analysis (STD&A) Engineer
 - 14.3.1.13 Stone & Webster Lead Advisory Engineer

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45. 69 kV system

46. 138 kV system

14.1.4 Fuel Load and Initial Operation

The startup phase commences with preparation for initial fuel loading and extends to the power ascension phase, concluding with the warranty demonstration. Fuel loading can take place only after the required preoperational tests (or required portions thereof) have been completed and approved by the JTG, acceptance of all necessary systems by LILCO operations has been effected, and access control has been established.

The startup phase is divided into the following five parts:

1. Preparation for initial fuel loading
2. Initial fuel loading and low power tests at atmospheric pressure
3. Initial heatup to rated temperature and pressure
4. Power testing from rated temperature and pressure to 100 percent power
5. Warranty demonstration

A list of startup tests is provided in Table 14.1.1-1 which gives the approximate order in which the tests are performed. This order may be rearranged, where appropriate, to allow for contingencies affecting availability of systems, equipment, and manpower. The specific test conditions as noted in Table 14.1.1-1 are also approximate and are based on a typical power ascension test program in which a full power license is issued. The noted test conditions for the performance of the specified tests may be varied to accommodate other types of operating licenses which may be granted so long as the plant conditions are compatible with the specified test method. A power flow map is provided on Figure 14.1.4-1 showing the approximate startup test conditions which are referred to in Table 14.1.1-1.

The JTG and ROC must give their joint approval before the Plant Manager approves that the test program can pass from the preoperational test phase to the initial fuel loading phase. The ROC must give its formal approval before the Plant Manager approves the escalation to the next major phase of the startup test program; i.e., before low power testing, before initial heatup to rated temperature, and prior to each major increase of power from one level to the next during the power ascension phase.

INSERT B

INSERT B

Following completion of preoperational testing, the plant startup program staff will be changed from the organization described in Section 14.2 to that described in Section 14.3.

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(new section)

14.3 **STARTUP PROGRAM STAFF FOR FUEL LOADING AND POWER
ASCENSION TESTING**

14.3.1 Organization and Responsibilities for Startup Testing

14.3.1.1 Plant Manager

The Plant Manager has overall responsibility for startup test preparation and execution. He provides approval for the startup test program to progress through the phases and plateaus as defined in Figure 14.1.4-1. Approval of the Plant Manager is required to exceed an approved hold condition.

14.3.1.2 Reactor Engineer

The Reactor Engineer is responsible for the preparation of the startup test schedule and the implementation and coordination of the daily startup program activities. He is responsible for the preparation of startup test procedures and for adjusting the on-going test schedule as required. He is responsible for ensuring adequate technical support is available and that personnel such as test engineers and technicians are available for shift coverage. He coordinates activities with the Lead Startup Test Design and Analysis Engineer, the Test Coordinator and the Stone and Webster Lead Advisory Engineer.

14.3.1.3 Operation Engineer

The Operating Engineer is responsible for ensuring that the Watch Engineers receive the necessary instructions for operating plant equipment during the startup test program. He ensures that adequate operating personnel are available and prepared to support the test performance.

14.3.1.4 Shift Test Director

The Shift Test Director is responsible for the overall performance of the individual Startup Tests on shift and ensures that they are executed in a safe and proper manner.

14.3.1.5 Shift Technical Advisor

The Shift Technical Advisor is primarily responsible for technical advise to the Watch Engineer in the event of a reactor transient. He may perform Startup Test steps, data evaluation and the administrative duties of the Shift Test Director.

14.3.1.6 Watch Engineer

The Watch Engineer has ultimate authority over shift test personnel in matters concerning safe plant operation.

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14.3.1.7 NQA Manager

The NQA Manager is responsible for ensuring compliance with all aspects of the quality assurance program. He provides audits and surveillances of startup test practices and procedures.

14.3.1.8 G. E. Operations Manager

The G. E. Operations Managers has overall General Electric responsibility for the execution and completion of the startup test program. He is responsible for G.E. site personnel assigned to the test program and for the review and G.E. approval of NSSS (G.E.) startup test procedures and results.

14.3.1.9 Lead Startup, Test, Design and Analysis (STD & A) Engineer

The Lead STD & A Engineer is responsible for assisting the Reactor Engineer in the planning and detailing of the startup test program. He supervises the activities of the STD & A shift engineers and provides technical advice to review and interpret test results and recommend their approval.

14.3.1.10 Shift Test Engineers (STE's)

Shift Test Engineers are responsible for collecting data, analyzing data and analyzing test results.

14.3.1.11 Test Coordinator

He is responsible for processing Test Exception Reports and for coordinating the activities of the Test Directors and shift support personnel. He prepares progress reports for management at the direction of the Reactor Engineer.

14.3.1.12 Startup, Test, Design and Analysis (STD & A) Engineer

The STD & A Engineer is responsible for assisting the Test Director in the performance of individual tests. He may provide technical advice to the test crew and assists in the preparation and review of startup test procedures.

14.3.1.13 Stone & Webster Lead Advisory Engineer

The Stone & Webster Lead Advisory Engineer is responsible for supervising and coordinating the activities of Stone & Webster personnel assigned to the startup program. He is also responsible for startup test procedures involving systems and disciplines for which Stone & Webster has responsibility.