

March 8, 1989

Docket No. 50-389

Mr. W. F. Conway
Senior Vice President-Nuclear
Nuclear Energy Department
Florida Power and Light Company
Post Office Box 14000
Juno Beach, Florida 33408-0420

Dear Mr. Conway:

SUBJECT: CORRECTION TO AMENDMENT NO. 39 - ST. LUCIE UNIT 2
(TAC NO. 59634)

Our letter dated February 7, 1989 transmitted to you Amendment No. 39 to Facility Operating License No. NPF-16 for St. Lucie Plant, Unit 2, which contained revised Technical Specifications for emergency diesel generators. Due to a typographical error, the last line of typing of Section 4.8.1.1.2.a.5 was omitted. Specifically, that section, which presently reads

"5. Verifying the generator is synchronized, loaded^{***} to greater than or equal to 3685 kW in less than or equal to 60 seconds, and"

should read

"5. Verifying the generator is synchronized, loaded^{***} to greater than or equal to 3685 kW in less than or equal to 60 seconds, and operates within a load band of 3450 to 3685 kW at least an additional 60 minutes, and"

Enclosed is the corrected page 3/4 8-4, as well as the corresponding page. We regret any inconvenience this omission may have caused.

Sincerely,

Original signed by

Jan A. Norris, Sr. Project Manager
Project Directorate II-2
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

[Letter9]
LA:PDII-2
D:Berker
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PM:PDNI-2
JNorris:jd
03/ 8 /89

D:PDII-2
HBerker
03/ 8 /89

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Mr. W. F. Conway
Florida Power & Light Company

St. Lucie Plant

cc:

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Transmitting Amendments (also Corrections to Amendments)

DATED: March 8, 1989

AMENDMENT NO. 39 TO FACILITY OPERATING LICENSE NO.

DISTRIBUTION

Docket File

NRC & Local PDRs

PDII-2 Reading

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T. Meek(4), P1-137

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ACRS (10)

GPA/PA

ARM/LFMB

Others as required

cc: Plant Service list

DFOI
1/1

ELECTRICAL POWER SYSTEMS

ACTION (Continued)

- d. With two of the required offsite A.C. circuits inoperable, demonstrate the OPERABILITY of two diesel generators by sequentially performing Surveillance Requirement 4.8.1.1.2a.4 on both diesels within 8 hours, unless the diesel generators are already operating; restore one of the inoperable offsite sources to OPERABLE status within 24 hours or be in at least HOT STANDBY within the next 6 hours. Following restoration of one offsite source, follow ACTION Statement a. with the time requirement of that ACTION Statement based on the time of initial loss of the remaining inoperable offsite A.C. circuit.
- e. With two of the above required diesel generators inoperable, demonstrate the OPERABILITY of two offsite A.C. circuits by performing Surveillance Requirement 4.8.1.1.1.a within 1 hour and at least once per 8 hours thereafter; restore one of the inoperable diesel generators to OPERABLE status within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. Following restoration of one diesel generator unit, follow ACTION Statement b. with the time requirement of that ACTION Statement based on the time of initial loss of the remaining inoperable diesel generator.
- f. With one Unit 2 startup transformer (2A or 2B) inoperable and with a Unit 1 startup transformer (1A or 1B) connected to the same A or B offsite power circuit and administratively available to both units, then should Unit 1 require the use of the startup transformer administratively available to both units, Unit 2 shall demonstrate the operability of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1a. and 4.8.1.1.2a.4 within 1 hour and at least once per 8 hours thereafter; restore the inoperable startup transformer to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.8.1.1.1 Each of the above required independent circuits between the offsite transmission network and the onsite Class 1E distribution system shall be:

- a. Determined OPERABLE at least once per 7 days by verifying correct breaker alignments, indicated power availability; and
- b. Demonstrated OPERABLE at least once per 18 months by transferring (manually and automatically) unit power supply from the normal circuit to the alternate circuit.

4.8.1.1.2 Each diesel generator shall be demonstrated OPERABLE:

- a. In accordance with the frequency specified in Table 4.8-1 on a STAGGERED TEST BASIS BY:

SURVEILLANCE REQUIREMENTS (Continued)

1. Verifying the fuel level in the engine-mounted fuel tank,
 2. Verifying the fuel level in the fuel storage tank,
 3. Verifying the fuel transfer pump can be started and transfers fuel from the storage system to the engine-mounted tank,
 4. Verifying the diesel starts from ambient condition and accelerates to approximately 900 rpm in less than or equal to 10 seconds**. The generator voltage and frequency shall be 4160 ± 420 volts and 60 ± 1.2 Hz within 10 seconds after the start signal**. The diesel generator shall be started for this test by using one of the following signals:
 - a) Manual.
 - b) Simulated loss-of-offsite power by itself.
 - c) Simulated loss-of-offsite power in conjunction with an ESF actuation test signal.
 - d) An ESF actuation test signal by itself.
 5. Verifying the generator is synchronized, loaded*** to greater than or equal to 3685 kW in less than or equal to 60 seconds, and operates within a load band of 3450 to 3685 kW at least an additional 60 minutes, and
 6. Verifying the diesel generator is aligned to provide standby power to the associated emergency busses.
- b. By removing accumulated water:
1. From the engine-mounted fuel tank at least once per 31 days and after each occasion when the diesel is operated for greater than 1 hour, and
 2. From the storage tank at least once per 31 days.

**The diesel generator start (10 sec) from ambient conditions shall be performed at least once per 184 days in these surveillance tests. All other diesel generator starts for purposes of this surveillance testing may be preceded by an engine prelube period and may also include warmup procedures (e.g., gradual acceleration) as recommended by the manufacturer so that mechanical stress and wear on the diesel generator is minimized.

***Generator loading in less than or equal to 60 seconds shall be performed at least once every 184 days; timing for this loading test shall start upon the closing of the diesel generator breaker. All other loading for the purpose of this surveillance test may be performed according to manufacturer's recommendations. The indicated load band is meant as guidance to avoid routine overloading. Variations in loads in excess of the band due to changing bus loads shall not invalidate this test.