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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
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 WOODY, C. D. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 THADANI, A. C. PWR Project Directorate 8

SUBJECT: Forwards addl info re mods required to support bypass flow measurements of certain pumps. Extension of interim relief from parts of ASME Section XI requested for duration of Cycle 3.

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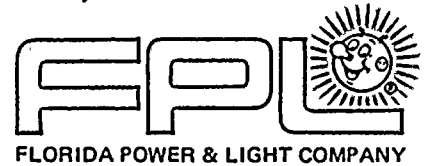
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April 14, 1986
L-86-162

Office of Nuclear Reactor Regulation
Attention: Mr. Ashok C. Thadani, Director
PWR Project Directorate #8
Division of PWR Licensing - B
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555


Dear Mr. Thadani:

RE: St. Lucie Unit 2
Docket No. 50-389
Extension of Interim Relief From Parts of ASME Section XI

By letter dated March 11, 1986, Florida Power & Light Company (FPL) requested an extension of the Interim Relief granted in your January 13, 1986 letter, which directs modification of St. Lucie Unit No. 2 this outage to provide for flow measurement of certain pumps. At the request of NRC staff, a telephone conference was held March 27, 1986 to discuss and describe the modifications and schedules involved.

The purpose of this letter is to provide additional information (see Table 1 attached) on the modifications that would be needed to support bypass flow measurements on the pumps in question. FPL requests that NRC grant relief from the testing requirements for the duration of Cycle 3. In order to support unit start-up for Cycle 3, we request NRC approval by April 30, 1986.

FPL check number 0985 is attached as remittance for the review fee specified in 10CFR170.21.


C. O. Woody
Group Vice President
Nuclear Energy

COW/eh

Attachments

cc: Dr. J. Nelson Grace, USNRC, Region II
Harold Reis, Esquire, Newman & Heltzinger

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PDR ADDCK 05000389
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w/ check #0985
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Florida Power & Light

St. Lucie Unit #2
Docket No. 50-389

Table 1

Modification
Location

Pumps

Description

1

AFW
(2A, 2B, 2C)

Install a common flow measurement device in the existing bypass line to the Condensate Storage Tank. This pipe run is mostly underground, but a short section is accessible under a missile-shield in the pump area. However, there is not enough room in the pipe trench to install equipment, so a new missile-shielded pipe would have to be run outside the trench. A 30-ft pipe run would be needed for flow stability, and would contain the necessary flanges, valves, instruments, etc.

Design lead time 72 mandays
Procurement lead time 24 - 26 weeks
Time to perform modifications 27 mandays

2

HPSI (2A, 2B)
LPSI (2A, 2B)
CS (2A, 2B)

Install a common flow measurement device in the existing 6-in recirculation line to the Refueling Water Tank. However, this 6-in line is too large to measure the flows in question (~ 50 gpm), so a new 2-in bypass line (and associated flanges, valves, instrumentation, etc.) would have to be installed. The most likely location would be the pipe tunnel in the Auxiliary Building.

Design lead time 72 mandays
Procurement lead time 24-26 weeks
Time to perform modifications 42 mandays

Florida Power & Light Company

St. Lucie Unit #2
Docket No. 50-389

Table 1 (continued)

Modification
Location

Pumps

Description

3

Diesel Oil
Transfer
(2A, 2B)

The existing common 2-in cross-tie may be long enough to install the necessary flanges, valves, instrumentation, etc. However, instrumentation procurement lead times are too long to support installation in the short term.

Design lead time 24 mandays
Procurement lead time 24-26 weeks
Time to perform modification 13 mandays

4

BAM
(2A)

A flow measurement device could be installed at the Boric Acid Makeup Station in the Auxiliary Building. However, the piping is insulated and heat traced (20,000 ppm boron acid solution), which complicates the modification process.

Design lead time 72 mandays
Procurement lead time 24-26 weeks
Time to perform modifications 51 mandays

5

BAM
(2B)

Separate location, but same description as Location 4.



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