

October 31, 2002

Mr. J. A. Stall
Senior Vice President, Nuclear and
Chief Nuclear Officer
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

SUBJECT: ST. LUCIE PLANT, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION
REGARDING CORE OPERATING LIMITS REPORT (TAC NO. MB5178)

Dear Mr. Stall:

By letter dated May 22, 2002, Florida Power and Light Company submitted a request to revise Technical Specification (TS) Section 6.9.1.11.b, "Core Operating Limits Report" to add two topical reports to the list of approved Core Operating Limits Report methodologies and to delete several superseded topical reports. It also proposed to revise the method for referencing topical reports in the TS.

The U.S. Nuclear Regulatory Commission staff has reviewed your submittal and finds that a response to the enclosed request for additional information is needed before we can complete the review. This request was discussed with your staff on October 24, 2002. On October 30, 2002, Mr. George Madden of your staff agreed that a response would be provided by December 9, 2002.

If you have any questions, please feel free to contact Eva Brown at (301) 415-2315.

Sincerely,

/RA/

Brendan T. Moroney, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-335

Enclosure: As stated

cc w/encl: See next page

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Mr. J. A. Stall
Florida Power and Light Company

cc:

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Stuart, Florida 34997

REQUEST FOR ADDITIONAL INFORMATION (RAI)

CORE LIMITS OPERATING REPORT (COLR) REPORT UPDATE

FLORIDA POWER AND LIGHT (FPL)

ST. LUCIE UNIT 1, DOCKET NO. 50-335

1. The NRC's safety evaluation of Topical Report EMF-2328(P)(A), Revision 0, "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based" states a condition on the use of ANF-RELAP code that still applies to the use of S-RELAP5. The statement is:

"That while it has been shown in Reference 53 [Loomis, G.G., "Summary of the Semiscale Program (1965-1986)," NUREG/CR-4945, July 1987] that the thermal-hydraulic phenomena observed for breaks up to 10 percent of the cold leg flow area are the same, if the code is used for break sizes larger than 10 percent of the cold leg flow area additional assessments must be performed to ensure that the code is predicting the important phenomena which may occur."

FPL's submittal did not state the break size range intended to be used with the code. Provide information which states what break size range is intended to be used with the code, and whether the code will be used for breaks larger than 10 percent of the cold leg flow area, also provide the required additional assessments.

2. The NRC's safety evaluation of Topical Report EMF-2310(P)(A), Revision 0, "SRP Chapter 15 Non-LOCA Methodology for Pressurized Water Reactors" states in Section 5.0 "Evaluation of S-RELAP5:"

"The staff notes, however, that a generic topical report describing a code such as S-RELAP5 cannot provide full justification for each specific individual plant application. The individual applicant must still provide justification for the specific application of the code which is expected to include as a minimum, the nodalization, defense of the chosen parameters, any needed sensitivity studies, justification of the conservative nature of the input parameters, and calculated results."

Provide justification for the specific application of the code including the elements listed above.

Enclosure

PD II-2 DOCUMENT COVER PAGE

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML023040608.wpd

SUBJECT: St. Lucie Request for Additional Information Concerning COLR Update

ORIGINATOR: E. Brown

SECRETARY:

DATE: November 1, 2002

TIME SENSITIVE DATE: (If Applies)

●●● ROUTING LIST ●●●

	NAME	DATE
1.	<u>E. Brown</u>	<u>11/ /02</u>
2.	<u>B. Clayton</u>	<u>11/ /02</u>
3.	<u>F. Akstulewicz</u>	<u>11/ /02</u>
4.	<u>A. Howe</u>	<u>11/ /02</u>
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