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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

DOCKET #
05000389

SUBJECT: Forwards addl info re core exit thermocouples in response to request. Representative core exist temp will be selected from upper end of temp distribution.

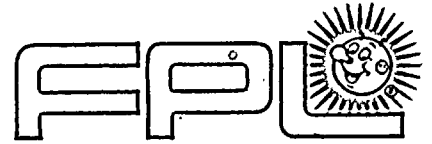
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FLORIDA POWER & LIGHT COMPANY

October 29, 1982

L-82-478

Office of Nuclear Reactor Regulations
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit No. 2
Docket No. 50-389
Core Exit Thermocouples Additional Information

Attached please find the additional information your staff requested on the St. Lucie Unit 2 Core Exit Thermocouples.

If you have any questions on this submittal, please contact us accordingly.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/RJS/JES/sms

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

Boo1

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A PDR

ATTACHMENT

QUESTION:

Describe how the representative core exit temperature is to be calculated.

RESPONSE:

During normal RCS conditions (saturation margin alarm not active), non-valid core exit thermocouples (CETs) will be detected with out-of-scale checks, tolerance checks, and statistical analysis. The representative core exit temperature will be selected from the upper end of the temperature distribution of the remaining valid CETs. While a saturation margin alarm is active, indicating abnormal RCS conditions, the same method will be used to select the representative core exit temperature from among the valid CETs determined during prior normal operation. The out-of-scale failure checks are still performed.