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50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Licensing

SUBJECT: Advises of initiation of development of plant-specific procedures & performance of fuel cycle-specific calculations to utilize Westinghouse rod swap methodology outlined in WCAP-9863 & WCAP-9864.

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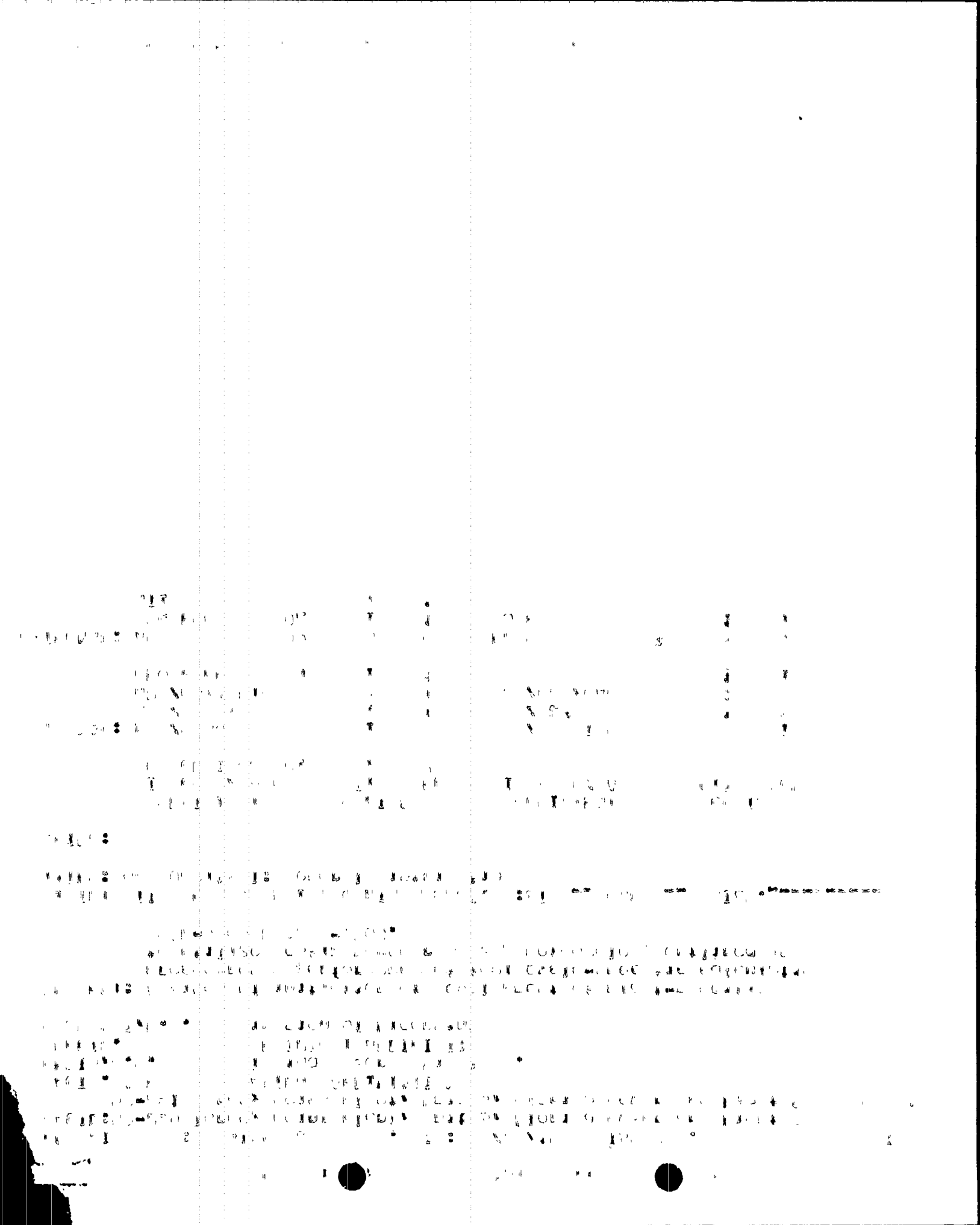

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FLORIDA POWER & LIGHT COMPANY

April 15, 1983
L-83-232

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: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Rod Swap Methodology

Westinghouse has submitted to the NRC for review "Rod Bank Worth Measurements Utilizing Bank Exchange - May 1982," WCAP-9863 (proprietary) and WCAP-9864 (non-proprietary), which describes a rod swap methodology. This rod swap methodology is an improved method for measuring control rod worth over the present boron dilution method by: 1) reducing the refueling outage time by approximately 24 to 36 hours, 2) reducing the amount of water processing during startup, and 3) increasing the shutdown margin. It is Florida Power and Light's understanding that the NRC will complete its review of WCAP-9863 and issue its final evaluation in early 1983.

Florida Power and Light has initiated the development of plant specific procedures and the performance of fuel-cyle specific calculations to utilize the rod swap methodology specified in WCAP-9863. The methodology will be followed for Cycle 9 at Turkey Point Unit 4 which is scheduled to startup in mid to late April 1983.

Florida Power and Light has reviewed the benefits of the new rod swap methodology and has determined that it offers a better way to measure rod bank worth. It should be noted that this methodology has been reviewed and approved by the Plant Nuclear Safety Committee. During measurement of rod bank worth, the capability for greater shutdown margin and an increased margin of safety is accomplished through the use of the rod swap methodology by maintaining greater concentrations of boron in the reactor coolant system. Therefore, the application of the methodology represents an improvement in overall plant safety at the Turkey Point Units.

Yours truly,

Robert E. Uhrig

A001

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/SAV/cab

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