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 FACIL: 50-251 Turkey Point #4, Florida Power & Light Co.
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. FLORIDA POWER & LIGHT CO.
 RECIP. NAME RECIPIENT AFFILIATION
 SCHWENCER, A. ***OPERATING REACTORS BRANCH 1

DOCKET #
 05000251

SUBJECT: States acceptance criteria on rod worths is w/in .10% from design. For Cycle 4 the difference from Westinghouse design was 7.8%. Provides measured vs design values for rod worth in ppm boron concentrations.

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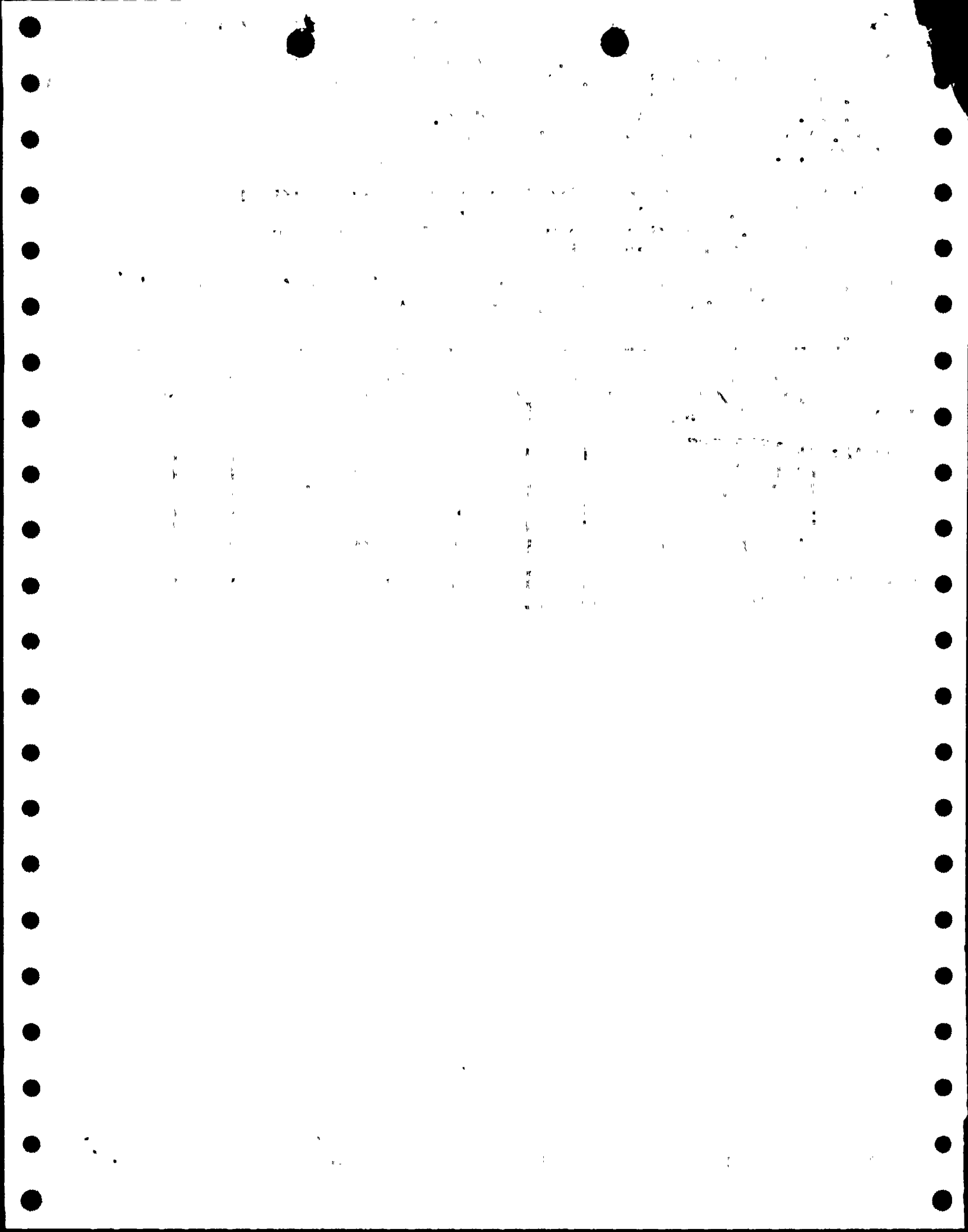
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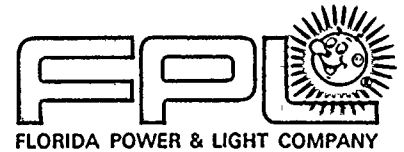
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December 14, 1978
L-78-385

Office of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch # 1
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Re: Turkey Point Unit 4
Docket No. 50-251
Cycle IV Rod Worths

The acceptance criteria on rod worths is $\pm 10\%$ from design. For the subject cycle, the difference from the Westinghouse design, which was the design used in the Reload Safety Evaluation, was 7.8%. The 13% difference referenced in your letter of September 19, 1978 was from an in-house design report.

The following table shows the measured vs. Westinghouse design values for rod worth in ppm boron concentrations:

<u>Rod Banks</u>	<u>Measured</u>	<u>Design</u>	<u>% Difference</u>
D & C	209 ppm	224 ppm	+7.1%
B & A	186 ppm	202 ppm	+8.6%
Total	395 ppm	426 ppm	+7.8%

The measured rod worths for Unit 4, Cycle IV were accepted based on the Westinghouse predicted values, which satisfied the $\pm 10\%$ criteria.

Very truly yours,

for 

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/MAS/paf

cc: James P. O'Reilly, Region II
Robert Lowenstein, Esquire

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