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FACIL: 50-000 Generic Docket 05000000

50-250 Turkey Point Plant, Unit 3, Florida Power and Light Co 05000250

50-251 Turkey Point Plant, Unit 4, Florida Power and Light Co 05000251

50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335

50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389

AUTH. NAME AUTHOR AFFILIATION
 WOODY, C.O. Florida Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Affirms that erosion/corrosion program meeting NUMARC guidelines implemented & maintained, per Generic Ltr 89-08.

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FPL

P.O. Box 14000, Juno Beach, FL 33408-0420

JULY 21 1989

L-89-265
10 CFR 50.54(f)

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Erosion/Corrosion Induced Pipe Wall Thinning
Generic Letter 89-08

Generic Letter 89-08 "Erosion/Corrosion-Induced Pipe Wall Thinning", issued by the NRC on May 2, 1989, requested that licensees provide assurances that a long term erosion/corrosion monitoring program, consisting of systematic measures to ensure erosion/corrosion does not lead to degradation of single phase and two phase high energy carbon steel systems, has been implemented. Florida Power & Light Company (FPL) has a long established two-phase wall thinning inspection program. Single phase inspections began immediately at Turkey Point Plant following the 1986 Surry 2 event. Your Staff reviewed our program at Turkey Point in August of 1988 in support of NUREG-1344 "Erosion/Corrosion-Induced Pipe Wall Thinning in U. S. Nuclear Power Plants", and determined that FPL met NUMARC guidelines for inspection of erosion/corrosion in single-phase lines. This program is now in place at St. Lucie.

In addition, a corporate procedure was developed to define the responsibilities within FPL for the continuation of this program for Turkey Point Units 3 and 4 and St. Lucie Units 1 and 2.

The program begins with FPL's engineering staff establishing the locations to be inspected. These locations are chosen in both single phase and two phase piping systems. Electric Power Research Institute's CHEC and CHECMATE computer programs, industry data, and previous inspection data are used as inputs and predictive tools, to calculate erosion rates and the expected remaining life for each location inspected. Using wall thickness data provided by inspections, locations found to be below the established minimum wall thickness, or predicted to violate that minimum during the

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an FPL Group company

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STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

C. O. Woody being first duly sworn, deposes and says:

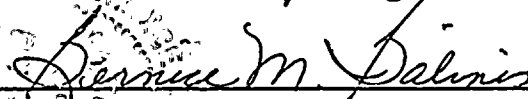
That he is Acting Senior Vice President - Nuclear, of Florida Power and Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information and belief, and that he is authorized to execute the document on behalf of said Licensee.



C. O. Woody

Subscribed and sworn to before me this
21st day of July, 1989.



NOTARY PUBLIC, in and for the County of
Palm Beach, State of Florida

My Commission expires _____
NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP SEPT 18, 1989
BONDED THRU GENERAL INS. UND.



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L-89-265
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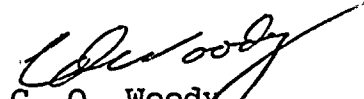
next operating cycle, are replaced. Due to the continuing effort necessary to ensure the integrity of high energy piping systems, and experience gained from previous inspection programs, FPL's engineering staff is upgrading its engineering standard for this process. The upgraded erosion/corrosion standard will be in place by January 1, 1990.

FPL's erosion/corrosion program also utilizes existing corporate NDE procedures for the execution of testing, data collection and management, and for the qualification of inspection personnel.

In accordance with Generic Letter 89-08, FPL affirms that an erosion/corrosion program which meets the NUMARC guidelines has been implemented and will be maintained for Turkey Point Units 3 and 4 and St. Lucie Units 1 and 2.

Should there be any questions please contact us.

Very truly yours,



C. O. Woody
Acting Senior Vice President - Nuclear

COW/RG/gp

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant
Senior Resident Inspector, USNRC, Turkey Point Plant



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