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 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

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 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: Forwards results of 890720 test samples for confirmatory measurements program.

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SEPTEMBER 22 1989

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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Confirmatory Measurements Program

As requested by NRC Letter dated June 12, 1989, Florida Power & Light Company (FPL) has analyzed the unknown spiked samples received on July 20, 1989, at the Turkey Point Plant Chemistry Department. As instructed, the attached results were back-decay corrected to January 3, 1989.

As discussed by telephone on September 18, 1989 with Ms. Adamovitz of your staff, the results for Strontium-89 and 90 have been omitted, and will be provided by separate correspondence by October 31, 1989. The reason for omitting these results is discussed in the attachment.

Should there be any additional information needed, please contact us.

Very truly yours,

J. H. Goldberg  
Executive Vice President

JHG/JRH/gmp

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Mr. D. M. Collins, Chief Emergency Preparedness and  
Radiological Protection Branch, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

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Attachment:

The following are the results of test samples received on July 20, 1989. The results are decay corrected to January 3, 1989.

<u>Nuclide</u>	<u>Value</u>	<u>% Uncertainties</u>
Tritium	2.35 E-5	10%
Fe 55	2.87 E-5	10%

As a part of the routine analysis program for Strontium determination, Quality Control (QC) samples are frequently analyzed with the sample of interest in order to validate the results. This methodology was applied for this test sample. The results of the QC sample indicated a mismatch between the expected and the measured values. A new standard (QC sample) is being prepared for reanalysis with the test sample in order to ensure the accuracy of the results. This analysis takes 2-4 weeks to perform. An amended report will be issued following reanalysis with the validated results.



*(continued)*