

Florida Power

CORPORATION
Crystal River Unit 3
Docket No. 50-302

December 5, 1990
3F1290-05

U.S. Nuclear Regulatory Commission, Region II
101 Marietta St. N.W.
Atlanta, GA 30323

Attn: Mr. D. M. Collins
Chief, Emergency Preparedness and Radiological Protection Branch

Subject: NRC Confirmatory Measurements Program

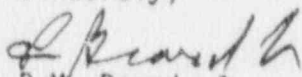
Dear Sir:

Florida Power Corporation on October 12, 1990 received liquid samples spiked with radionuclides as part of the NRC Confirmatory Measurements Program. The results of the analysis of these spiked samples are as follows.

<u>NUCLIDE</u>	<u>ACTIVITY</u>	<u>2-SIGMA</u>
Tritium	7.34 E-5 $\mu\text{Ci/ml}$	+/- 4.88 E-6 $\mu\text{Ci/ml}$
Iron 55	4.15 E-5 $\mu\text{Ci/ml}$	+/- 4.15 E-6 $\mu\text{Ci/ml}$
Strontium 89	4.57 E-5 $\mu\text{Ci/ml}$	+/- 5.03 E-6 $\mu\text{Ci/ml}$
Strontium 90	2.54 E-6 $\mu\text{Ci/ml}$	+/- 3.05 E-7 $\mu\text{Ci/ml}$

The analysis for tritium was performed by the Crystal River Unit 3 laboratory, and the analyses of the other radionuclides were performed by the current vendor laboratory.

Sincerely,


P.M. Beard, Jr.
Senior Vice President
Nuclear Operations

PMB:REF:

xc: Document Control Desk
Senior Resident Inspector
NRR Project Manager

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