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NOVEMBER 26 1986

L-86-474

Mr. P. G. Stoddart, Acting Chief  
Radiological Effluents and Chemistry Section  
U. S. Nuclear Regulatory Commission, Region II  
101 Marietta Street, N.W., Suite 2900  
Atlanta, GA 30323

Dear Mr. Stoddart:

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Results of the NRC Confirmatory  
Measurements Program Samples

In response to NRC request dated August 29, 1986, below are the results of the spike sample analysis performed under the subject program.

The sample received by St. Lucie Plant was analyzed in accordance with the instructions that accompanied the sample. The results are corrected to January 11, 1986.

ST. LUCIE PLANT  
NRC SPIKED SAMPLE RESULTS

<u>Nuclide</u>	<u>Microcuries/Milliliter</u>	
H-3	1.752	E-5
Fe-55	1.12	E-5
Sr-89	<1.	E-5*
Sr-90	2.56	E-6

\*Minimum detectable activity for Sr-89 was <2.8 E-7 on October 1, 1986, the time of analysis. This MDA was back decayed to January 11, 1986.

Should you or your staff have any questions, please contact us.

Very truly yours,

*C. O. Woody*  
for C. O. Woody  
Group Vice President  
Nuclear Energy

COW/GRM/gp

cc: Dr. J. Nelson Grace, USNRC, Region II  
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