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 FACIL: 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 AUTHORITY AFFILIATION
 ODDY, C. O. Florida Power & Light Co.
 RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards results on nonradiological confirmatory
 measurements samples analysed during Insp Rept 50-335/87-24
 & 50-389/87-23, per WJ Ross request. Part of sample 86C sent
 to BNL. Results of analysis requested.

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FPL

DECEMBER 16 1987

L-87-512

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
Inspection Report 335/87-24 and 389/87-23

As requested by W.J. Ross, NRC Region II staff, attached are the results of the non-radiological confirmatory measurements samples analyzed during the subject inspection.

As requested by Mr. Ross, part of sample #86C was sent to the Brookhaven National Laboratory Safety and Environmental Protection Division in Upton, New York. FPL requests the results of their analysis.

There is no proprietary information in this report.

Very truly yours,

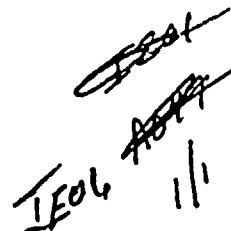

C. O. Woody
Group Vice President
Nuclear Energy

COW/GRM/gc

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator, Region II,
USNRC Senior Resident Inspector, USNRC, St. Lucie Plant

8712230032 871216
PDR ADDCK 05000335
Q PDR



Brookhaven National Lab Samples
analyzed by St. Lucie Plant

Week of November 3, 1987
(Results in units of ppb except Boron = ppm)

Sample I.D.	Test Method	Tech # 1	Tech # 2	Tech # 3	Tech # 4	Actual Value
86A	Cl- Dionex	18	23	22	--	20
	Cl- HgNO3	<50	--	--	--	20
	Cl- SpecIon	18	18	22	--	20
	F- Dionex	23	20	21	--	20
	SO4- Dionex	21	22	21	--	20
86B	Cl- Dionex	36	37	40	--	40
	Cl- HgNO3	<50	--	--	--	40
	Cl- SpecIon	41	46	34	--	40
	F- Dionex	43	39	46	--	40
	F- SpecIon	41	46	--	--	40
	SO4- Dionex	40	40	43	--	40
86C	Cl-(M) SpecIon	10000				
	F-(M) SpecIon	75				
86D	B- Titrate	960-A	--	--	--	1000
	E B- Titrate	2896-A	--	--	--	3000
	F B- Titrate	4800-A	--	--	--	5000
86G	Fe/Cu A/Aoven	3/4	5/5	4/5	--	5/5
H	Fe/Cu A/Aoven	6/8	9/10	9/11	--	10/10
I	Fe/Cu A/Aoven	9/12	12/15	13/16	--	15/15
86J	Na+ A/Aoven	8	10	5 B	5 B	5
K	Na+ A/Aoven	14	20	10 B	11 B	10
L	Na+ A/Aoven	50	60	16 B	16 B	15
86M	NH3+ ColMetr	120	140	120	--	94.5
N	NH3+ ColMetr	300	310	290	--	283.
O	NH3+ ColMetr	920	900	920	--	944.
86P	N2H4 ColMetr	22	22	20	--	20
Q	N2H4 ColMetr	56	56	55	--	50
R	N2H4 ColMetr	110	108	110	--	100
86S	SiO2 ColMetr	60	55	53	--	50
T	SiO2 ColMetr	100	100	100	--	100
U	SiO2 ColMetr	150	140	152	--	150

A = Not enough sample to do triplicate and results suspected low due to some std. material not transferred to test sol'n. A follow up sample will be sent to us for retest of Boron.

B = A second set of samples made up due to suspected contamination of samples analyzed by Tech's 1 & 2.

(M)= This sample analyzed in matrix of 700ppm Boron & 1.5ppm Lithium