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50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.			05000389
AUTH. NAME	AUTHOR AFFILIATION		
SAGER, D.A.	Florida Power & Light Co.		
RECIP. NAME	RECIPIENT AFFILIATION		
TICHLER, J.	Brookhaven National Laboratory		

SUBJECT: Provides requested verification of 1993 radioactive effluent release data for plant.

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April 27, 1995

L-95-132

Ms. Joyce Tichler  
Brookhaven National Laboratory  
Analytical Sciences Division  
Building 490D  
P.O. Box 5000  
Upton, NY 11973

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Response to Brookhaven National Laboratory  
Request for 1993 Radioactive Effluent Release  
Data Verification

This letter is being submitted in response to Brookhaven National Laboratory letter dated April 4, 1995, which requested verification of 1993 radioactive effluent release data for the St. Lucie Plant.

Attached are the marked-up data pages that require correction and/or additional information.

If there should be any questions please contact us.

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS/PTQ

cc: USNRC Document Control Desk, Washington, DC  
Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant  
Stephen Klementowicz, USNRC, Washington, DC

Attachments

9505090143 950427  
PDR ADCK 05000335  
R. PDR



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Corrections to Brookhaven National Lab  
for St. Lucie 1993 Effluent Summary

Reference Brookhaven Page Numbers:

-----  
Page 1 for Unit Number 1, the line Thermal Power...  
as found:

Thermal Power(MWH) 1.74E+07      Net Electrical Power(MWH) 5.43E+06

change to:

Thermal Power(MWH) 2.26E+07      Net Electrical Power(MWH) 7.14E+06  
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Page 1 for Unit Number 2, the line Thermal Power...  
as found:

Thermal Power(MWH) 1.56E+07      Net Electrical Power(MWH) 4.71E+06

change to:

Thermal Power(MWH) 1.73E+07      Net Electrical Power(MWH) 5.43E+06  
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Page 22 for line FE-59 should read:

Nuclide Released	Unit Ci	Continuous Mode		Batch Mode	
		Quarter	Quarter	Quarter	Quarter
FE-59		1	2	1	2
				5.74E-05	2.61E-03

-----  
Page 29 for line "5. Minimum Time Period for a Batch release(min) - "  
should read:

	First Six Months	Second Six Months
5. Minimum Time Period for a Batch release(min)-	2.65E+02	2.43E+02

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Page 41 for lines Y-92 and ZR-95(following SR-91):

as found on Brookhaven:

Nuclide Released	Unit Ci	Continuous Mode		Batch Mode	
		Quarter 1	Quarter 2	Quarter 1	Quarter 2
SR-91					7.27E-05
Y-92				1.74E-03	1.15E-02
ZR-95				2.84E-03	

Make changes as follows:

Delete the ZR-95 line with 2.84E-03, then

Change the symbol Y-92 to ZR-95 so that it reads:

Nuclide Released	Unit Ci	Continuous Mode		Batch Mode	
		Quarter 1	Quarter 2	Quarter 1	Quarter 2
SR-91					7.27E-05
ZR-95				1.74E-03	1.15E-02

-----  
Page 42 for lines ZR-97 and NB-97(following NB-95):

as found on Brookhaven:

Nuclide Released	Unit Ci	Continuous Mode		Batch Mode	
		Quarter 1	Quarter 2	Quarter 1	Quarter 2
NB-95				2.84E-03	1.94E-02
ZR-97				5.16E-04	
NB-97					4.42E-03
RU-103					3.17E-04

Make changes as follows:

Delete the ZR-97 line, then

Change the NB-97 line such that the sequence reads as follows:

Nuclide Released	Unit Ci	Continuous Mode		Batch Mode	
		Quarter 1	Quarter 2	Quarter 1	Quarter 2
NB-95				2.84E-03	1.94E-02
NB-97				5.16E-04	4.42E-03
RU-103					3.17E-04

-----  
Other items to convey to Brookhaven:

1. Pages 9, 10, and 11 describe the Abnormal Release Breakdown for Release Number 1, Type of Release Liquid etc.

Comment only: These Nuclides and their Activity Released quantities are already included in the summations of Page 21, and as Continuous Mode Quarter 3 Nuclide's Released on Pages 26 and 27. The Abnormal Release Breakdown quantities should be used for reference only.

2. Page 8 Line B. Gaseous etc, where one Abnormal Release was reported.

Comment only: It was noted that Brookhaven did not include an Abnormal Release Breakdown for this event. In case this was an oversight, St. Lucie provides:

- a) The Abnormal Release Breakdown for this event
- b) The comment that these Nuclides and their Activity Release quantities are already included in the summations of Page 12 and as Batch Mode Quarter 1 Nuclides Released on Page 14. The Abnormal Release Breakdown quantities that follow should be used for reference only.

If applicable to Brookhaven requirements, to be inserted after Page No. 11 as:

For St. Lucie Unit Number : 1

Abnormal Release Breakdown

Release Number 2

Type of Release Gaseous

Annual

Nuclide Released	Unit Ci	Activity Released
KR-85		4.78E-03
XE-131M		7.80E-04
XE-133		7.60E-02
XE-133M		7.89E-04
XE-135		1.36E-04

11-11-77  
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