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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

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 RECIP. NAME      RECIPIENT AFFILIATION  
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SUBJECT: Informs that new survey monument installed to replace missing Monument 80-B. Survey encl. R  
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FPL

DECEMBER - 8 1988

L-88-513  
10 CFR 50.36

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  
Beach Survey

By letter dated September 14, 1988 (L-88-415), Florida Power & Light Company (FPL) submitted the results of the 1988 St. Lucie Plant Beach Survey. In that report, FPL stated that Monument 80-B could not be located during this survey and that it would be resurveyed and submitted within 90 days.

A new survey monument has been installed to replace the missing monument. The data on averages, maxima and minima have been revised to include the new Monument 80-B. A copy of the survey is attached.

The St. Lucie Unit 1 Technical Specification 5.1.3. refers to the St. Lucie Unit 1 Updated Final Safety Analysis Report (UFSAR), Section 2.4.2.2, Flood Design Considerations. The description provided therein is summarized below:

Width at dune crest elev.: On the order of 5 ft.

Crest elev. (MLW ocean): 8 - 14 ft.

Width of dune at elev. of  
Old Dune Road: 40 - 50 ft.

The survey including Monument 80-B shows the following (data in feet):

	<u>MIN.</u>	<u>AVG.</u>	<u>MAX.</u>
Width at dune crest elev.:	10	29	50
Crest elev. (MSL ocean):	9.25	12.33	16.50
Width of dune at elev. of Old Dune Road:	34	80.5	156

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Since the parameters of the dune are greater than or within the range of those provided in the UFSAR referenced above, it is concluded that the dune condition is acceptable according to the criteria of Specification 5.1.3.

The distance from the centerline of the Old Beach Dune Road to Mean High Water is an average of 163.8' and the minimum is 94' which is greater than the previously established FPL acceptance criteria. It is therefore concluded that the dune survey results support the dune condition meeting or exceeding the conditions identified in the UFSAR.

In summary, the new Monument 80-B information does not change the conclusions of the dune survey reported in FPL's letter L-88-415 of September 14, 1988.

If there should be any questions regarding this subject, please contact us.

Very truly yours,



W. F. Conway  
Senior Vice President - Nuclear

WFC/EJW/cm

Attachment

cc: Malcolm L. Ernst, Acting Regional Administrator, Region II,  
USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

ST. LUCIE SITE - DUNE SURVEY

JUNE 7 THROUGH AUGUST 4, 1988

REVISED TO INCLUDE A NEWLY REPLACED MONUMENT 80-B

REF. NO.	CREST ELEVATION ABOVE MSL (FT.)	DUNE WIDTH AT CREST ELEVATION (FT.) (*)	WIDTH AT OLD DUNE ROAD ELEVATION (FT.) (**)
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76	11.30	13	55
77	9.92	46	36
78	11.60	15	99
79	10.14	27.5	83
80	12.00	30	74
80-A	12.02	10	N/A
80-B	16.50	24	N/A
81	13.98	37	N/A
81-A(FPL)	15.05	19	N/A
81-B(FPL)	14.29	36	N/A
82	13.91	48	56
82-A(FPL)	13.87	38	N/A
82-B(FPL)	13.76	12	140
83	13.63	14	34
84	11.31	26	N/A
85	10.31	30	N/A
86	9.25	48	N/A
87	9.66	50	156
88	11.77	23	72
AVERAGE:	12.33	28.76	80.5
MAXIMUM:	16.50	50	156
MINIMUM:	9.25	10	34

(\*) Measured one foot below the crest elevation. The crest elevation is a point which, of course, has no width.

(\*\*) Elevation taken at centerline of Old Dune Road.

N/A No apparent road visible.

Elevations shown here are based on NGV 1929 Datum.

ST. LUCIE SITE - DUNE SURVEY  
JUNE 7 THROUGH AUGUST 4, 1988  
REVISED TO INCLUDE A NEWLY REPLACED MONUMENT 80-B

<u>REF.</u> <u>NO.</u>	<u>DISTANCE FROM CENTER OF OLD</u> <u>DUNE ROAD TO MHW (FT.)</u>
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76	120.8
77	112
78	145
79	138
80	148
80-A	155.5
80-B	117.5
81	N/A
81-A	199
81-B	198
82	197
82-A	185
82-B	200
83	197
84	N/A
85	249
86	94
87	184
88	146

AVERAGE:	163.9
MAXIMUM:	249
MINIMUM:	94

N/A: NO APPARENT VISIBLE ROAD