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WOODY, C. O. Florida Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Forwards results of beach dune survey on 870609 per Tech Spec 4.7.6.1.1. Values currently being validated & corrected numbers will be forwarded to NRC in revised beach survey rept.

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L-87-332

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 & 50-389
Beach Survey

In accordance with Technical Specification 4.7.6.1.1, the St. Lucie Plant Beach Dune Survey was completed June 9, 1987. The results of the survey are attached. Also attached is a figure which locates the survey with respect to plant features.

St. Lucie Unit 1 Technical Specification 5.1.3 refers to the St. Lucie 1 FSAR, Section 2.4.2.2, Flood Design Considerations. The description provided therein is summarized below:

Width at Dune Crest Elevation:	On the order of 5 ft.
Crest Elevation (MLW Ocean):	8 - 14 ft.
Width of Dune Elevation of Old Beach Dune Road:	40 - 50 ft.

The survey conducted in June 1987 showed the following (data in feet):

	Min.*	Avg.*	Max.*
Width at Dune Crest Elevation:	14	34	85
Crest Elev. (MSL Ocean):	9.15	12.23	16.95
Width of Dune at Elevation of Old Dune Road:	10	72	104

* These values are currently being validated. Should any discrepancies be identified, the corrected numbers will be forwarded to NRC in a revised Beach Survey Report.

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1/1

Since the average value of the parameters of the dune is greater than or within the range of those provided in the FSAR referenced above, it is concluded that the dune condition is acceptable according to the criteria in specification 5.1.3.

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

Very truly yours,

for C. O. Woody
Group Vice President
Nuclear Energy

COW/MSD/cn
Attachments

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

St. Lucie Beach Dune Erosion Survey
June, 1987
(123 Rel. 2, File SLDUNSUR)

MONUMENT Ref. #	Cr. Elev. above MSL (FT)	Dune width at Crest Elev. (Ft.) (*)	Width at Old Dune Road Elev. (Ft.)(**)	Dist. from Centerline of Old Dune Rd. to MHW (Ft.)
76	11.23	30.00	53.00	116.00
77	10.34	36.00	49.00	109.00
78	11.30	28.00	90.00	132.00
79	9.84	39.00	81.00	127.00
80	11.72	37.00	68.00	137.00
80-A	11.86	28.00	66.00	148.00
80-B	16.95	21.00	10.00	NOT AVAIL.
81	14.11	37.00	68.00	N/A
81-A	15.01	18.00	N/A	N/A
81-B	13.71	42.00	N/A	N/A
82	14.57	43.00	N/A	N/A
82-A	13.85	24.00	N/A	N/A
82-B	NO MON.	NO MON.	NO MON.	NO MON.
83	13.61	14.00	N/A	N/A
84	11.22	31.00	104.00	165.00
85	11.01	17.00	103.00	156.00
86	9.15	52.00	94.00	134.00
87	9.26	85.00	N/A	N/A
88	11.31	33.00	81.00	134.00
SUM	220.05	615.00	867.00	1358.00
AVERAGE	12.23	34.17	72.25	135.80
MAXIMUM	16.95	85.00	104.00	165.00
MINIMUM	9.15	14.00	10.00	109.00

(*) 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.

NO MON.: Monument not found.

FLORIDA POWER & LIGHT COMPANY
ST.LUCIE PLANT

BEACH DUNE SURVEY

SCALE 1'' 1,400'
June, 1987

FIGURE 1

△ MONUMENT LOCATIONS
NOTE: DISTANCES SHOWN ARE FROM CENTER LINE OF BEACH DUNE ROAD TO MEAN HIGH WATER

N/A = No Apparent visible road