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SUBJECT: "Turtle Activities Rept for Third Quarter 1989." W/891102 ltr.

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NOVEMBER 0 2 1989

L-89-398

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
Quarterly Turtle Activities Report

Attached for your information is a copy of the subject report for the third quarter 1989, which was submitted to the Florida Department of Natural Resources, Florida Marine Research Institute on October 2, 1989.

Very truly yours,

D. A. Sager
Vice President
St. Lucie Plant

DAS/MSD/gmp

Attachment

cc: Stewart D. Ebneter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

8911130073 891102
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ENVIRONMENTAL
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Applied Biology, Inc.
P.O. Box 974
Jensen Beach, FL 34958

RECEIVED
OCT 5 1989

October 2, 1989

Mr. J. Alan Huff
Florida Department of
Natural Resources
Florida Marine Research Institute
100 Eighth Avenue, SE
St. Petersburg, FL 33701-5095

Dear Alan:

Thirty-eight loggerhead turtles, two hawksbill turtles, one leatherback turtle and one Kemp's ridley turtle were removed from the St. Lucie Plant intake canal during the July - September quarter of 1989. One of the loggerheads was dead when removed. All forty-one live turtles were released into the ocean from Hutchinson Island. Measurements for all animals are attached.

As always, feel free to contact me if you have any questions concerning the enclosed information.

Sincerely,

Erik

R. Erik Martin
Senior Scientist

REM/mnm
enclosure

cc: J.R. Wilcox (FPL)
C.A. Oravetz (NMFS)
N.B. Thompson (NMFS)
R.G. Ernest (ABI)

MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
JULY - SEPTEMBER 1989

DATE CAPTURED	SPECIES	TAG NUMBERS	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	WEIGHT (lbs)
Live Removals									
070689	C. caretta	AAJ739/PPW375	83.6	84.5	89.3	86.8	69.5	64.3	201
070689	C. caretta[1]	AAJ740/PPW400	92.3	93.4	100.2	95.1	74.2	71.1	252
070689	C. caretta[1]	AAJ741/PPW376	87.2	88.9	94.4	85.5	65.7	66.7	192
070689	C. caretta	AAJ742/PPW377	52.8	54.1	58.4	55.2	44.9	42.4	49
070689	C. caretta	AAJ743/PPW378	61.2	62.5	66.5	65.0	52.1	47.5	74
071189	C. caretta	AAJ744/PPW379	54.9	56.5	60.5	58.4	46.7	43.1	58
071289	C. caretta	AAJ746/PPW382	66.7	67.7	72.1	68.7	59.5	52.3	97
071389	C. caretta	AAJ747/PPW383	71.6	72.8	78.6	75.5	62.7	57.9	121
071389	C. caretta[2]	AAJ748/PPW384 SI3382	96.3	100.0	104.8	91.0	69.5	73.6	268
071489	C. caretta	AAJ749/PPW385	84.4	86.4	93.0	89.5	69.3	67.1	218
071889	C. caretta[1]	AAJ750/PPW386	93.4	96.2	103.0	92.4	73.3	73.5	283
071898	C. caretta	AAJ751/PPW387	82.8	82.8	86.5	79.8	65.2	64.1	175
072189	C. caretta[3]	AAJ752/PPW388 PPD763	78.3	80.1	84.7	75.1	58.1	57.9	142
072189	C. caretta[1]	AAJ753/PPW389	95.9	97.5	104.8	94.0	77.4	77.1	287
072189	C. caretta[1]	AAJ754/PPW390	91.8	93.5	100.6	89.4	70.2	67.9	224
072489	L. kempi	AAJ755/PPW391	54.0	54.8	56.5	58.1	52.6	43.0	47
072589	C. caretta	PPW392/PPW393	57.7	59.1	62.8	60.5	52.0	46.4	71
072589	C. caretta[1]	AAJ756/PPW394	89.5	90.5	95.8	83.8	67.3	68.5	215
072689	C. caretta	AAJ757/PPW395	81.2	81.8	87.5	83.2	60.1	64.1	171
072789	C. caretta	PPW396/PPW397	49.3	49.8	54.0	51.2	41.9	39.0	41
072889	C. caretta	AAJ758/PPW398	60.2	61.2	66.2	64.2	53.6	47.0	71

DATE CAPTURED	SPECIES	TAG NUMBERS	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	WEIGHT (lbs)
080189	C. caretta[1]	AAJ759/PPW399	86.4	87.5	93.4	87.9	66.4	67.4	199
080189	C. caretta[1]	AAJ760/PPW401	88.8	89.7	95.3	90.3	69.3	68.1	233
080289	C. caretta[1]	AAJ761/PPW402	92.1	93.2	101.8	92.8	74.5	69.8	233
080389	C. caretta[1]	AAJ762/PPW403	86.5	87.8	93.0	89.8	69.4	67.1	219
080489	C. caretta	PPW404/PPW405	56.6	57.8	61.8	60.0	50.1	44.8	62
080889	C. caretta[4]	AAJ763/PPW406	76.1	76.9	80.8	77.9	59.4	55.2	145
080889	C. caretta[1]	AAJ764/PPW407	88.0	88.4	93.0	90.0	69.8	69.2	217
081089	C. caretta[1]	AAJ765/PPW408	94.2	94.8	102.0	92.1	65.4	70.0	243
081689	C. caretta	PPW409/PPW410	59.1	60.2	63.8	62.3	52.4	46.4	67
081789	C. caretta	AAJ766/PPW411	82.5	83.3	89.5	78.5	64.1	62.2	151
081889	C. caretta	PPW412/PPW415	60.4	61.1	65.3	61.2	51.8	48.8	74
081889	C. caretta[1]	AAJ767/PPW416	93.3	95.3	101.2	95.4	71.3	72.2	259
082289	C. caretta[1]	AAJ768/PPW417	91.0	91.9	98.8	90.0	69.9	70.8	235
082589	E. imbricata	PPW418/PPW419	62.1	65.7	69.7	61.2	48.7	52.0	73
082889	C. caretta[1]	AAJ769/PPW420	87.0	88.0	93.0	86.2	68.0	65.1	207
083189	C. caretta	AAJ770/PPW421	80.7	82.2	87.8	81.8	66.9	65.9	195
091289	C. caretta	AAJ771/PPW422	62.9	64.0	68.1	64.3	52.6	48.4	73
091389	D. coriacea[1]	PPW423/PPW424	NM	NM	158.5	144.3	85.1	NM	738
091889	C. caretta	PPW425/PPW426	53.9	55.0	59.9	58.5	46.9	42.8	56
091889	E. imbricata	PPW427/PPW428	39.2	39.2	41.0	36.3	28.0	30.8	15.9

Dead Removals

070989	C. caretta[1]	Not Tagged	92.7	94.6	100.7	89.8	72.2	NM	NM

[1] Female.

[2] Female. Previously tagged (SI3382) by Caretta Research; this tag removed on 13July 1989.

[3] ABI Tag return. This turtle was removed from the intake canal, tagged (AAJ416/PPD763) and released 2.5 km south of the intake on 16 April 1987.

[4] Male; tail length = 330 mm

SMCL = straight minimum carapace length
SSCL = straight standard carapace length
CSCL = curved standard carapace length
CMCW = curved maximum carapace width
SMCW = straight maximum carapace width
SMPL = straight midline plastron length

NM = not measured