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 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
 AUTH. NAME AUTHOR AFFILIATION
 CONWAY, W.F. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: "Marine Turtle Removals St. Lucies Intake Canal," Jan-Mar 1989. W/890424 ltr.

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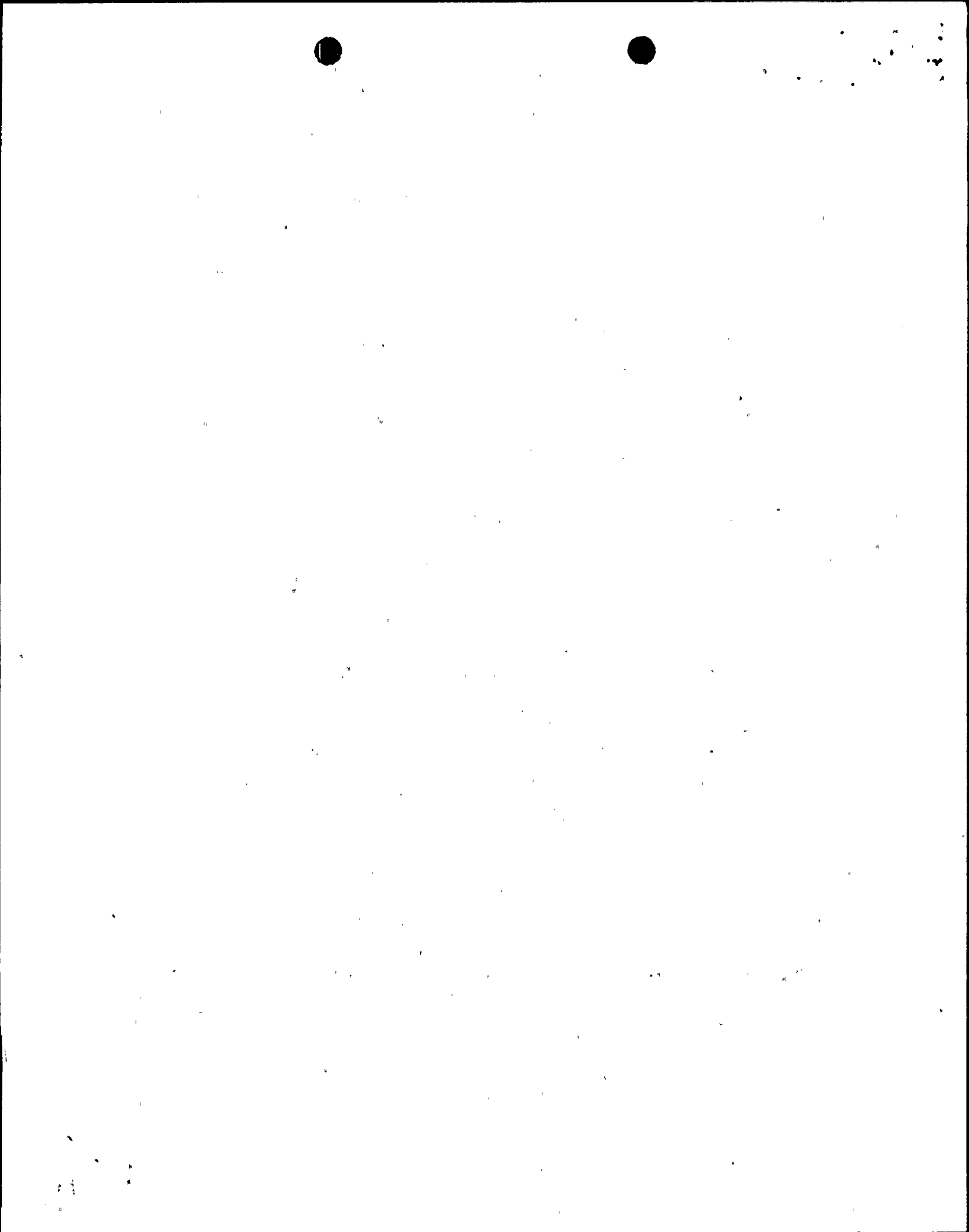
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MARINE TURTLE REMOVALS
ST. LUCIE PLANT INTAKE CANAL
JANUARY - MARCH 1989

DATE CAPTURED	SPECIES	TAG NUMBERS	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	WEIGHT (lbs)
Live Removals									
010389	<u>C. caretta</u>	AAJ683/PPW285	64.3	65.4	69.8	67.4	53.5	47.5	85
011089	<u>C. mydas</u>	AAJ684/PPW286	71.6	72.1	76.8	68.3	57.2	59.2	103
011189	<u>C. caretta</u>	AAJ685/PPW287	56.5	57.4	60.8	59.0	49.9	46.1	58
011189	<u>C. caretta</u>	AAJ686/PPW288	56.4	57.5	62.9	58.8	48.5	46.0	65
011189	<u>C. caretta</u>	AAJ687/PPW289	55.3	56.7	61.2	59.2	49.8	42.8	52
011789	<u>C. caretta</u>	AAJ688/PPW290	66.2	67.9	73.0	71.0	58.5	52.2	103
011789	<u>C. caretta</u>	AAJ689/PPW291	61.7	63.0	66.8	66.0	54.0	48.7	82
011889	<u>C. caretta</u> ¹	AAJ690/PPW292	56.3	57.4	60.4	58.8	49.8	46.2	66
011989	<u>C. caretta</u>	AAJ691/PPW293	50.0	50.9	54.8	52.3	45.5	40.3	52
012089	<u>C. caretta</u>	AAJ692/PPW294	43.1	43.9	47.8	44.6	36.2	34.2	27
012089	<u>C. caretta</u> ²	PPW295	64.2	64.8	69.9	64.6	52.4	48.6	90
012489	<u>C. caretta</u>	AAJ693/PPW296	52.9	53.9	59.0	55.3	46.1	42.7	54
012589	<u>C. caretta</u> ³	AAJ590/PPN477 PPW297	58.2	58.6	64.2	61.5	50.0	45.5	62
012889	<u>C. mydas</u>	PPW301/PPW302	30.2	30.6	31.8	28.1	25.2	25.4	7.5
013189	<u>C. caretta</u>	AAJ700/PPW298	57.6	58.4	61.7	59.0	48.7	45.9	64
020189	<u>C. caretta</u>	AAJ694/PPW303	50.5	51.6	54.4	54.4	46.6	41.7	52
020389	<u>C. caretta</u>	AAJ695/PPW304	59.1	60.3	66.0	63.8	49.9	45.2	69
020789	<u>C. caretta</u>	AAJ696/PPW305	59.4	60.9	65.3	61.6	50.5	45.6	65
020789	<u>C. caretta</u>	AAJ697/PPW306	52.6	53.8	59.0	53.8	46.1	42.1	48
021689	<u>C. caretta</u>	AAJ698/PPW307	57.8	58.9	62.4	58.5	49.4	45.6	58
022089	<u>C. caretta</u>	AAJ699/PPW308	68.7	70.1	74.1	69.8	53.9	54.1	89
030889	<u>C. mydas</u>	PPW309/PPW310	28.5	28.6	30.3	25.7	22.9	23.8	6.8
030989	<u>C. mydas</u>	PPW311/PPW312	26.5	26.8	28.6	25.1	22.5	22.7	5.7
031389	<u>C. mydas</u>	PPW313/PPW314	33.2	33.9	35.6	29.3	25.8	27.6	10.6
031489	<u>C. mydas</u>	PPW315/PPW316	32.0	32.6	34.0	29.8	25.8	26.4	8.4
031589	<u>C. caretta</u> ⁴	AAJ701/PPW317	48.7	49.5	53.7	51.4	43.7	39.1	41

8905010057 890331
PDR ADUCK 05000335
R PDC

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DATE CAPTURED	SPECIES	TAG NUMBERS	SMCL (cm)	SSCL (cm)	CSCL (cm)	CMCW (cm)	SMCW (cm)	SMPL (cm)	WEIGHT (lbs)
Live Removals (cont'd)									
032489	<u>C. mydas</u>	PPW318/PPW319	34.7	35.5	37.1	34.1	30.0	29.8	14.1
033089	<u>C. caretta</u> ⁵	AAJ702/PPW320	94.0	95.4	99.0	90.4	73.1	69.6	256
033089	<u>C. mydas</u>	PPW321/PPW322	31.7	32.1	33.3	28.6	25.5	25.3	7.8
Dead Removals									
013189	<u>C. mydas</u>	Not Tagged	34.4	34.6	36.1	30.0	26.1	26.7	NR
031989	<u>C. caretta</u>	Not Tagged	60.9	61.6	65.5	62.5	50.7	46.4	NR
032789	<u>C. caretta</u> ⁶	Not Tagged	91.4	92.6	95.8	88.9	70.6	NR	NR

¹Tar on ventral portions of front flippers and neck.

²Monofilament line wrapped around right front flipper. Examined by veterinarian. Released on 1/20/89.

³ABI tag return. This turtle was removed from the intake canal, tagged (AAJ590/PPN477) and released 2.5 km south of the intake on 5 MAY 88. Tag PPW297 was applied on 25 JAN 89.

⁴Tar in mouth.

⁵Male.

⁶Male. Monofilament fishing line coming out of mouth and wrapped around both front flippers and neck. Deep laceration around base of right front flipper due to fishing line.

NR = Not Recorded

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



APRIL 24 1989

L-89-160


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 first quarter 1989, which was submitted to the Florida Department of Natural Resources, Bureau of Marine Research on April 5, 1989.

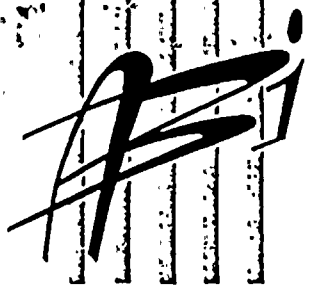
Very truly yours,


W. F. Conway
Senior Vice President - Nuclear

WFC/MSD/gp

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

TRB5
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APR 1 1989

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

ENVIRONMENTAL
H E A L T H
SPECIALISTS

April 5, 1989

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

Dear Alan:

Twenty-three loggerhead turtles and nine green turtles were removed from the St. Lucie Plant intake canal during the January-March quarter of 1989. Two loggerheads and one green were dead when removed.

Measurements for all animals are attached. All twenty-nine live turtles were released into the ocean from Hutchinson Island.

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

Sincerely,

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)



Handwritten marks and scribbles in the top right corner.