

16

From: <George_Madden@fpl.com> Florida Power & Light
To: <EAB1@nrc.gov> E. Brown, NRC
Date: Tuesday, January 07, 2003 8:09 AM
Subject: 2002 TURTLE CAPTURES

What is the status of the informal consultation between NRC & NMFS?

George Madden
St. Lucie Plant-Licensing
Florida Power & Light Company

Office: 772-467-7155
Fax: 772-467-7572
Cell: 772-370-3375
FPL Pager: 800-447-2433 Pager #:02053
----- Forwarded by George Madden/Psl/Nuclear/FplNuc on 01/07/2003 08:08 AM

Nick Whiting
Sent by: Nick Whiting To: William Korte/Psl/Nuclear/FplNuc@FplNuc, Donald
Jernigan/Ptn/Nuclear/FplNuc@FplNuc, Dick
Rose/Psl/Nuclear/FplNuc@FplNuc, George
Madden/Psl/Nuclear/FplNuc@FplNuc, Stacy
Foster/Psl/Nuclear/FplNuc@FplNuc, Michael
Bresette/Psl/Nuclear/FplNuc@FplNuc, Dave
Singewald/Psl/Nuclear/FplNuc@FplNuc, Rick
01/07/2003 07:58 Herren/Psl/Nuclear/FplNuc@FplNuc, Winifred
Perkins/GC/FPL@FPL
AM cc: Tom Abbatiello/Ptn/Nuclear/FplNuc@FplNuc
Subject: 2002 TURTLE CAPTURES

Below please find a summary of sea turtle captures in the St. Lucie intake canal for 2002. A total of 53 turtles were captured in December, bringing the total to 632 for 2002. During 2002 two green turtle mortalities were attributed to plant operation, which is well under the NMFS limit. A total of seventeen injured or diseased turtles were sent to rehabilitation facilities in 2002. These turtles were injured or diseased before they came into the canal.

Nick

(See attached file: TURTmortreh.xls)

CC: <Nick_Whiting@fpl.com>, <Kelly_Korth@fpl.com>

B/59

SEA TURTLES CAPTURED AT PSL - 1998

MONTH	GREEN	LOGGERHEAD	KEMPS RIDLEY	HAWKSBILL	LEATHERBACK	TOTAL
<i>Mortality Limit as per NMFS</i>	<i>3 or 1.5%, whichever is greater</i>	<i>2 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	
JANUARY	25	36	0	0	0	61
FEBRUARY	58	28	2	0	0	88
MARCH	30	60	0	0	0	90
APRIL	20	47	0	0	0	67
MAY	35	29	0	1	0	65
JUNE	16	26	0	0	1	43
JULY	7	57	0	0	0	64
AUGUST	22	44	0	0	0	66
SEPTEMBER	10	17	0	0	0	27
OCTOBER	27	25 (1)	0	1	0	53 (1)
NOVEMBER	10	10	0	0	0	20
DECEMBER	9	13	0	0	0	22
TOTAL TO DATE	269	392 (1)	2	2	1	666 (1)

() Mortalities

SEA TURTLES CAPTURED AT PSL - 1999

MONTH	GREEN	LOGGERHEAD	KEMPS RIDLEY	HAWKSBILL	LEATHERBACK	TOTAL
<i>Mortality Limit as per NMFS</i>	<i>3 or 1.5%, whichever is greater</i>	<i>2 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	
JANUARY	17	38	0	0	0	55
FEBRUARY	12 (1)	24	0	0	0	36 (1)
MARCH	8	14	0	0	1	23
APRIL	7	26	0	0	0	33
MAY	12	39	0	0	0	51
JUNE	7	29	0	0	0	36
JULY	10	41 (1)	0	0	0	51 (1)
AUGUST	15	25	0	0	0	40
SEPTEMBER	40 (3)	28	0	0	0	68 (3)
OCTOBER	21	11	0	1	0	33
NOVEMBER	17	13 (1)	0	0	0	30 (1)
DECEMBER	24 *	14	1	0	0	39
TOTAL TO DATE	190* (4)	302 (2)	1	1	1	495 (6)

* Possible hybrid counted as a Green Turtle

() Mortalities

SEA TURTLES CAPTURED AT PSL - 2000

MONTH	GREEN	LOGGERHEAD	KEMPS RIDLEY	HAWKSBILL	LEATHERBACK	TOTAL
<i>Mortality Limit as per NMFS</i>	<i>3 or 1.5%, whichever is greater</i>	<i>2 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	<i>1 or 1.5%, whichever is greater</i>	
JANUARY	21	23	0	0	0	44
FEBRUARY	28	23	0	0	0	51
MARCH	15	13 (1)	0	0	0	28 (1)
APRIL	29	27	0	0	0	56
MAY	39	39	0	0	0	78
JUNE	49	61	0	0	0	110
JULY	16	57	0	1	0	74
AUGUST	22	39	0	1	0	62
SEPTEMBER	16	10	0	0	0	26
OCTOBER	49	9	0	0	0	58
NOVEMBER	42 (2)	18 (1)	0	0	0	60 (3)
DECEMBER	20	24	0	0	0	44
TOTAL TO DATE	346 (2)	343 (2)	0	2	0	691 (4)

() Mortalities

SEA TURTLES CAPTURED AT PSL - 2001

* Causally related to plant operation

MONTH	GREEN			LOGGERHEAD			KEMPS RIDLEY			HAWKSBILL			LEATHERBACK			TOTAL		
NMFS Mortality/ Injury Limit*	and greens /year*			and greens /year*			2/year *			leatherback/ 2 yrs.*			leatherback/ 2 yrs.*					
	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities
JANUARY	61			16			0			0			0			77		
FEBRUARY	25	1		17	1		0			0			0			42	2	
MARCH	23		1*	22			0			0			0			45		1*
APRIL	23			15	2		1			0			0			39	2	
MAY	10			35	2		0			0			1			46	2	
JUNE	9			17	1		0			0			0			26	1	
JULY	16			45	1		0			1			0			62	1	
AUGUST	27	1		31			0			2			0			60	1	
SEPTEMBER	27			26	1		0			1			0			54	1	
OCTOBER	32			25			0			0			0			57		
NOVEMBER	50		4*	17	1	1*	0			2			0			69	1	5*
DECEMBER	18			5			0			0			1			24		
Total to Date	321	2	5*	271	9	1*	1			6			2			601	11	6*

SEA TURTLES CAPTURED AT PSL - 2002

* Causally related to plant operation

MONTH	GREEN			LOGGERHEAD			KEMPS RIDLEY			HAWKSBILL			LEATHERBACK			TOTAL		
<i>NMFS Mortality/ Injury Limit*</i>	<i>1% of Loggerheads and greens/year*</i>			<i>1% of Loggerheads and greens/year*</i>			<i>2/year*</i>			<i>1 hawksbill or leatherback/2 yrs.*</i>			<i>1 hawksbill or leatherback/2 yrs.*</i>					
	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities	total	sick or inj.	mort- alities
JANUARY	26	1		23	2		0			0			0			49	3	
FEBRUARY	27	1		34			0			0			0			61	1	
MARCH	38	1		51	4		0			0			0			89	5	
APRIL	15			40	1		0			1			0			56	1	
MAY	16		1*	42	2		0			0			0			58	2	1*
JUNE	40		1*	29			0			0			0			69		1*
JULY	21		1	37			0			1			0			59		1
AUGUST	17			27			0			0			0			44		
SEPTEMBER	18			13			0			1			0			32		
OCTOBER	22			10	2		0			0			0			32	2	
NOVEMBER	18			12	1		0			0			0			30	1	
DECEMBER	32			21	2		0			0			0			53	2	
Total to Date	290	3	2*+1	339	14		0			3			0			632	17	2*+1