



# Exelon Generation®

Oyster Creek Nuclear Generating Station  
Route 9 South  
PO Box 388  
Forked River, NJ 08731

[www.exeloncorp.com](http://www.exeloncorp.com)

10 CFR 50.4

August 7, 2012

RA-12-091

US Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Oyster Creek Nuclear Generating Station  
Renewed Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Subject: Sea Turtle Incidental Take Report 2012-2

The attached report provides detailed information regarding the recent incidental take of a dead Kemp's ridley sea turtle at Oyster Creek Nuclear Generating Station (OCNGS) on July 9, 2012.

Please note that this is the second take of a Kemp's ridley sea turtle this year. As previously communicated in our initial notification, we have reached fifty percent of the "estimated annual take limit" of four Kemp's ridley sea turtle per year.

If you have any questions or require additional information, please do not hesitate to contact Malcolm Browne at (609) 971-4124.

Sincerely,

Michael J. Massaro  
Vice President  
Oyster Creek Nuclear Generating Station

Enclosures:

Incidental Take Report 2012-2 with photograph  
MMSC Stranding Report MMSC-12-065

IE23  
NRR

cc: Julie Crocker  
U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Marine Fisheries Service Northeast Region  
Protected Resources Division  
One Blackburn Drive  
Gloucester, MA 01930

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NJ Department of Environmental Protection  
Division of Fish, Game, and Wildlife  
P.O. Box 400  
Trenton, NJ 08625-0400

Regulatory Assurance File No. RA-12-091

	<b><u>Incidental Take 2012-2</u></b>
<b>OPERATIONS DEPARTMENT:</b>	
Observer's full name:	Douglas Hufford
Reporter's full name:	Brian Eagan
Species Identification (Key attached):	Kemp's ridley
Site of Impingement (CWS or DWS):	DWS
Bay Number:	2
Date animal observed:	9-July-12
Time animal observed:	13:09
Date animal collected:	9-July-12
Time animal collected:	13:10

	<b><u>Incidental Take 2012-2</u></b>
<b>CONDITIONS AT COLLECTION:</b>	
Tidal Stage:	Outgoing Tide
Cloud conditions:	Sunny
Precipitation:	None
Intake water temperature:	82 F / 27.8 C
Other conditions	None
Number of CW pumps running:	4
Number of DW pumps running:	2
Reactor power level at observation:	100%
Reactor power previous 48-hours:	100%
Date of last screen inspection:	9-July-12
Time of last screen inspection:	12:30
Date of last trash raking:	8-July-12
Time of last trash raking:	09:30

	<b>Incidental Take 2012-2</b>
<b>ENVIRONMENTAL DEPARTMENT:</b>	
Date Brigantine MMSC contacted:	9-July-12
Time Brigantine MMSC contacted:	13:45
Date Animal picked up by MMSC:	9-July-12
Time Animal picked up by MMSC:	18:00
State of animal when first observed:	Dead with minor scrapes and abrasions
State of animal when collected:	Dead
State of animal when picked up:	Dead
State of animal arriving at MMSC:	Dead

	<b><u>Incidental Take 2012-2</u></b>
Final disposition of animal:	Buried at Brigantine, NJ
Carapace Length - Curved	27.3 cm
Carapace Length - Straight	25.1 cm
Carapace Width - Curved:	27.9 cm
Carapace Width - Straight:	23.7 cm
Weight - lbs (kg)	11.2 lbs (5.1 kg)
Existing Tag Number	No tag
Photograph attached	Yes
Diagram of wounds, abnormalities, tag locations attached	No
Description of Animal	Female Juvenile Kemp's Ridley sea turtle
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	Yes







# SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

## OBSERVER'S NAME / ADDRESS / PHONE:

First Jay M.I.  Last Pagel

Affiliation Marine Mammal Stranding Center

Address PO Box 773, 3625 Brigantine Blvd., Brigantine, NJ 08203

Area code/Phone number (609) 266-0538

## STRANDING DATE:

Year 20\_12\_ Month 07\_ Day 09\_

Turtle number by day 02

Field ID # MMSC-12-065

Coordinator must be notified within 24 hrs; this was done by ☒ phone (609)266-0538

☐ email ☐ fax

## SPECIES: (check one)

- ☐ CC = Loggerhead  
☐ CM = Green  
☐ DC = Leatherback  
☐ EI = Hawksbill  
☒ LK = Kemp's Ridley  
☐ LO = Olive Ridley  
☐ UN = Unidentified

Check Unidentified if not positive. Do Not Guess.

Carcass necropsied? ☒ Yes ☐ No

Photos taken? ☒ Yes ☐ No

Species verified by coordinator?

☒ Yes ☐ No

## SEX:

- ☐ Undetermined  
☒ Female ☐ Male  
 Does tail extend beyond carapace?  
☐ Yes; how far? ☐ cm / ☐ in  
☒ No  
 How was sex determined?  
☒ Necropsy  
☐ Tail length (adult only)

## STRANDING LOCATION:

☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)

State New Jersey

County Ocean

Descriptive location (be specific) Forked River, Oyster Creek

NPGS

Latitude 39.81417°N

Longitude 74.20700°W

## CONDITION: (check one)

- ☐ 0 = Alive  
☐ 1 = Fresh dead  
☒ 2 = Moderately decomposed  
☐ 3 = Severely decomposed  
☐ 4 = Dried carcass  
☐ 5 = Skeleton, bones only

## FINAL DISPOSITION: (check)

- ☐ 1 = Left on beach where found; painted? ☐ Yes\* ☐ No(5)  
☒ 2 = Buried: ☐ on beach / ☒ off beach;  
 carcass painted before buried? ☒ Yes\* ☐ No  
☒ 3 = Salvaged: ☐ all / ☒ part(s), what/why? \_\_\_\_\_  
 Front flippers-aging, muscle-genetics  
☐ 4 = Pulled up on beach/dune; painted? ☐ Yes\* ☐ No  
☐ 6 = Alive, released  
☐ 7 = Alive, taken to rehab. facility, where? \_\_\_\_\_  
☐ 8 = Left floating, not recovered; painted? ☐ Yes\* ☐ No  
☐ 9 = Disposition unknown, explain \_\_\_\_\_

\*If painted, what color? RED

## TAGS: Contact coordinator before disposing of any tagged animal!!

Checked for flipper tags? ☒ Yes ☐ No

Check all 4 flippers. If found, record tag number(s) / tag location / return address

PIT tag scan? ☒ Yes ☐ No

If found, record number / tag location

Coded wire tag scan? ☐ Yes ☒ No

If positive response, record location (flipper)

Unable to check for \_\_\_\_\_

Checked for living tag? ☒ Yes ☐ No

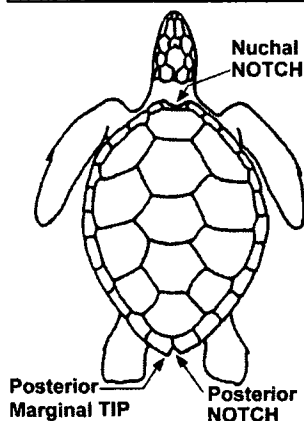
If found, record location (scute number & side)\

## CARAPACE MEASUREMENTS: (see drawing)

### Using calipers

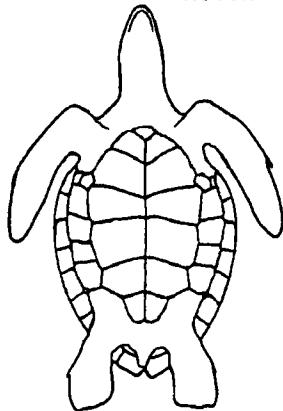
Straight length (NOTCH-TIP)	25.1	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	23.7	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Using non-metal measuring tape		
Curved length (NOTCH-TIP)	27.3	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	27.9	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in

Weight ☒ actual / ☐ est. 5.1 ☐ kg ☒ lb



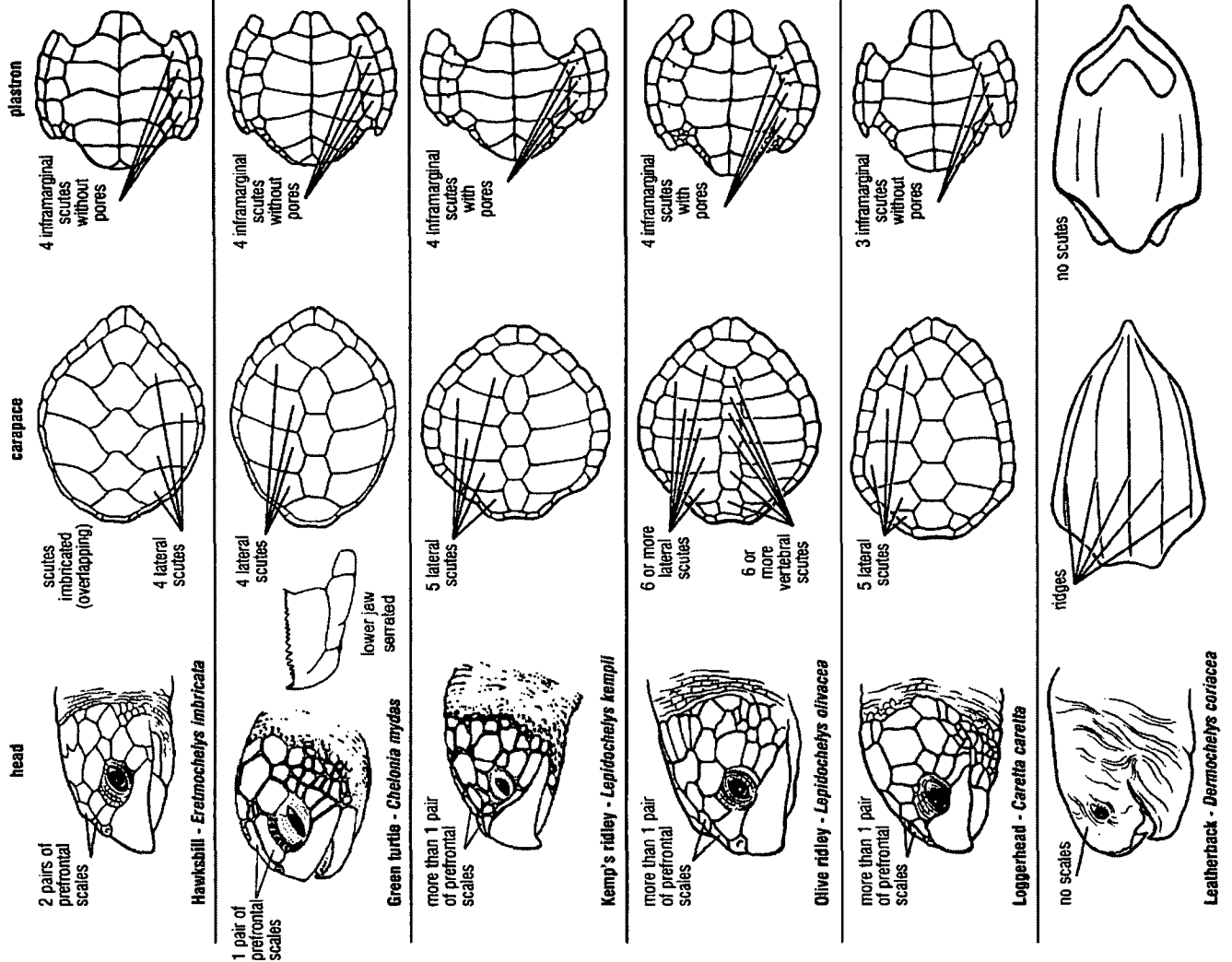
Mark wounds / abnormalities on diagrams at left and describe below (note tar or oil, gear or debris entanglement, propeller damage, epibiota, papillomas, emaciation, etc.). **Please note if no wounds / abnormalities are found.**

Carcass found on cooling intake at power plant. There was some bruising/hemorrhaging on the plastron and around the vent that would indicate that the animal was alive when it was impinged. Necropsy revealed that the animal was not as fresh as initially thought. There was no fluid or froth in the lungs or airways, nor did the lungs feel compressed to indicate that impingement was the cause of death. While the fat content was slightly below average the muscle condition was good. The stomach and intestines contained a variety of digested materials including crab parts, mussel shell fragments and plant material. No definitive cause of death could be identified.





# SPECIES IDENTIFICATION



NMFS's Acceptable minimum Straight Carapace Lengths (SCL) for adult sea turtles. Any animal with a SCL's less than these listed are considered a juvenile animals; therefore, sex can ONLY be determined via necropsy:

Leatherback	Unknown/undetermined minimum SCL
Loggerhead	SCL > 90 cm (35.43 inches)
Green	SCL > 95 cm (37.40 inches)
Kemp's Ridley	SCL > 60 cm (23.62 inches)

Please use an envelope and mail original form to:

MR. ROBERT SCHOELKOPF  
NEW JERSEY STSSN COORDINATOR  
MARINE MAMMAL STRANDING CENTER  
P.O. BOX 773  
BRIGANTINE, NJ 08203