

October 11, 2007

RA-07-030

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

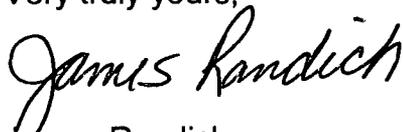
Oyster Creek Nuclear Generating Station  
Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Subject: Sea Turtle Incidental Take Report 2007-2

This report provides detailed information regarding the recent incidental take of a juvenile Kemp's ridley sea turtle at the Oyster Creek Nuclear Generating Station (OCNGS). The turtle was taken alive on September 16, 2007, from the dilution water intake structure trash bars. As indicated on the attached incident report, the turtle was promptly turned over to the custody of the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ for examination and subsequent release. After MMSC personnel confirmed the turtle was in good physical condition, they placed tags on the turtle and released it to the Atlantic Ocean near the MMSC on September 20, 2007.

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

Very truly yours,



James Randich  
Plant Manager

JR/MEB  
Enclosure

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

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

Samuel J. Collins, Administrator, Region 1  
US Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Edward G. Miller  
Senior Project Manager  
US Nuclear Regulatory Commission  
Mail Stop 8-B1  
Washington, DC 20555

Mark Ferdas  
Senior Resident Inspector  
Oyster Creek Generating Station  
PO Box 388  
Forked River, NJ 08731

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

Regulatory Assurance File No. RA-07-030

## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Take Report 2007-2

At approximately 0803 hours on Sunday September 16, 2007, an Oyster Creek Generating Station (OCNGS) operator noticed a live sea turtle among the materials being removed from the trash racks while performing a routine trash rack cleaning of Bay # 4 of the dilution water intake structure. The turtle appeared to be healthy and moving about normally. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempii). The water temperature at the time of the incidental take was approximately 69.8 F (21.0 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation.

Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, what is presumed to be the same turtle was spotted earlier that morning at approximately 0100 hours swimming away from the circulating water intake structure which is located on the opposite bank of the intake canal from the dilution water intake structure.

The turtle measured 11.5 in (29.3 cm) carapace length straight line and weighed 9.4 lb (4.3 kg). No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was taken to the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1130 hours on September 16, 2007. At the MMSC, the turtle was examined, measured, fed, and briefly held for observation prior to release. Because the turtle appeared to be in very good physical condition, it was released into the nearby Atlantic Ocean by MMSC personnel on September 20, 2007, after tagging.

# SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

**OBSERVER'S NAME / ADDRESS / PHONE:**

First Bill M.I.  Last Deerr  
 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 07 Month 09 Day 16  
 Turtle number by day 01  
 Field ID # MMSC-07-123  
 Coordinator must be notified within 24 hrs; this was done by  phone (609)266-0538  
 email  fax

**SPECIES: (check one)**

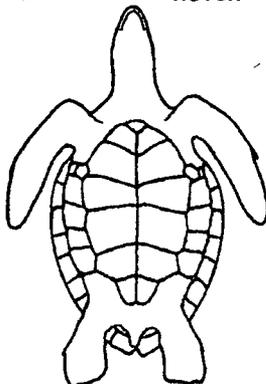
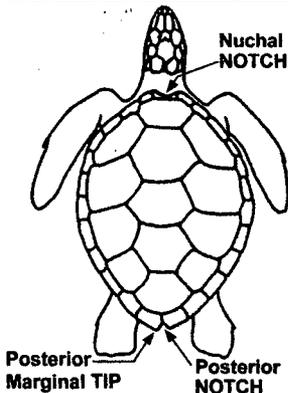
- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's Ridley
- LO = Olive Ridley
- UN = Unidentified

*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 Nuclear Power Plant, Impinged on grate  
 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

**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)

**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? \_\_\_\_\_
- 4 = Pulled up on beach/dune; painted?  Yes\*  No
- 6 = Alive, released
- 7 = Alive, taken to rehab. facility, where? MMSC
- 8 = Left floating, not recovered; painted?  Yes\*  No
- 9 = Disposition unknown, explain \_\_\_\_\_

*\*If painted, what color? \_\_\_\_\_*

**CARAPACE MEASUREMENTS: (see drawing)**

**Using calipers** Circle unit  
 Straight length (NOTCH-TIP) 29.3 cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Straight width (Widest Point) 27.8 cm / in  
**Using non-metal measuring tape** Circle unit  
 Curved length (NOTCH-TIP) \_\_\_\_\_ cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Curved width (Widest Point) \_\_\_\_\_ cm / in  
 Weight  actual /  est. 9.4 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.

Alive; lethargic during transport but body temp. was cool; slight bruising on plastron and underside of flippers; small wound on rear of carapace approx. 1/2 cm diameter almost completely healed; became active when placed in rehab. pen; swimming, diving, and eating normally; tagged and released on 9/20/07 at 38<sup>th</sup> Street and beach, Brigantine.  
Tagged RFF with metal tag # SSL119  
PIT Tagged LFF # 4360634A05

