

August 31, 2007

RA-07-023

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 2007-1

This report provides detailed information regarding the recent incidental take of a juvenile Kemp's Ridley sea turtle at the Oyster Creek Generating Station. The turtle was taken alive on August 9, 2007, from the circulating 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 and placed tags on the turtle, they released it to the Atlantic Ocean near the MMSC later the same afternoon.

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, Oyster Creek Nuclear Generating Station

JR/MEB

Enclosures

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Regulatory Assurance File No. 07011

OYSTER CREEK GENERATING STATION

Sea Turtle Incidental Take Report 2007-1

At approximately 0925 hours on Thursday August 9, 2007, an Oyster Creek Generating Station (OCGS) 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 circulating water intake structure. The turtle appeared to be healthy and moving about normally. OCGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). The water temperature at the time of the incidental take was approximately 82.8 F (27.9 C) and OCGS 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, the circulating water trash racks had been inspected and cleaned earlier the same morning. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured only 10.0 in (25.4 cm) carapace length straight line and weighed 6 lb (2.7 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 1115 hours on August 9, 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 later the same afternoon.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:

First Brandi M.I. N Last Biehl
 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 8 Day 9
 Turtle number by day 01
 Field ID # MMSC-07-106
 Coordinator must be notified within 24 hrs; this was done by phone (609)266-0538
 email fax

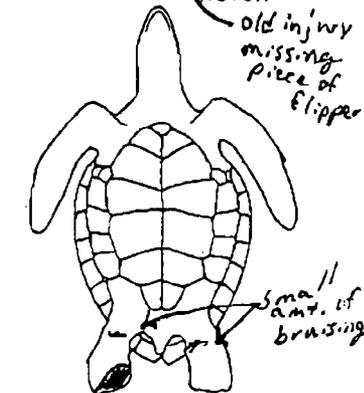
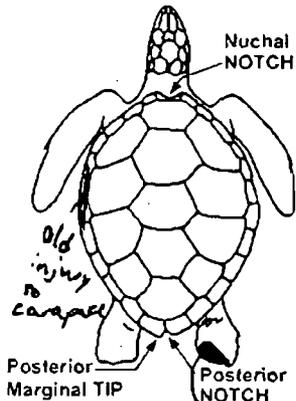
SPECIES: (check one)

- 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 NJ County Ocean
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Power Plant
 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? Monitored at MMSC for several hours before release.
- 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) 25.4 cm / in
 Minimum length (NOTCH-NOTCH) _____ cm / in
 Straight width (Widest Point) 24.4 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. 6 lbs 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.

Turtle was impinged on grate. There was a small amount of bruising on the rear flippers. Animal was lethargic during transport, but it became active upon arrival at MMSC. It was observed swimming and diving normally in observation. There were old injuries on the carapace and RRF. It was released on Brigantine Beach the same day of rescue (8/9/07). Animal was tagged on LFF # SSL118(metal tag) and pit tagged on RFF # 430F501851.

