

December 28, 2006

2130-06-20443

2120-062-3003

National Marine Fisheries Service Northeast Region  
Protected Resources Division  
One Blackburn Drive  
Gloucester, MA 01930  
Attention: Pasquale Scida

Dear Mr. Scida:

Subject: OYSTER CREEK GENERATING STATION (OCGS)  
DOCKET NO. 50-219  
ANNUAL SEA TURTLE INCIDENTAL TAKE REPORT - 2006

Enclosed is a copy of the 2006 Annual Sea Turtle Incidental Take Report for the Oyster Creek Generating Station. The report is submitted in accordance with Condition 10 of the Incidental Take Statement of the OCGS Endangered Species Act Biological Opinion.

If you have any questions concerning this submittal, please contact Mr. Malcolm Browne, Environmental Specialist, at 609-971-4124.

Sincerely,

*James J. Rausch - Plant Manager*  
*FOR*

Tim Rausch  
Vice President  
Oyster Creek

TR/MEB

Enclosure

cc: NRC Document Control Desk  
Administrator, Region I  
NRC Project Manager  
Senior Resident Inspector

*IE25*  
*IE23*

**ANNUAL REPORT OF SEA TURTLE INCIDENTAL TAKES - 2006**

**OYSTER CREEK GENERATING STATION**

**LICENSE NO. DPR-16**

**DOCKET NO. 50-219**

**Prepared by:**

**AMERGEN ENERGY COMPANY**

**December 2006**

## Introduction

The Annual Report of Sea Turtle Incidental Takes provides a summary of the incidental takes of all species of sea turtles at the Oyster Creek Generating Station (OCGS) during the past year. The report is required by Condition 10 of the Incidental Take Statement of the OCGS Endangered Species Act, Section 7 Consultation, Biological Opinion. This report covers all incidental takes that occurred during 2006.

Incidental Take Reports documenting the circumstances of incidental takes of sea turtles are completed following any OCGS sea turtle incidental take and are provided to NMFS and USNRC. Incident reports concerning the taking of endangered sea turtles entitled "Sea Turtle Incidental Take Report 2006-1" through "Sea Turtle Incidental Take Report 2006-6" are provided as Attachment I. The circumstances surrounding the incidental takes that occurred during 2006 are summarized below. In each case the incidental take was reported to the Nuclear Regulatory Commission and the National Marine Fisheries Service within 24 hours of the incidental take. Inspections and cleaning of cooling water intake trash bars continues to be conducted in accordance with Conditions 1 and 4 of the Incidental Take Statement.

## Annual Summary of Sea Turtle Incidental Takes – 2006

### INCIDENTAL TAKE OF JUNE 30, 2006

At approximately 11:00 AM on Friday June 30, 2006, an OCGS Operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation, seaweed and debris removed from Bay # 1 of the dilution water intake structure. The turtle was retrieved as gently as possible using only a dipnet. It appeared to be alive and in good condition. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC) representative who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempfi). The water temperature at the time of the incidental take was approximately 25.6 °C (78.1 °F) and the OCGS was operating at 100 percent 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 dilution water trash racks had been inspected earlier the same day at approximately 5:00 AM. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured 27.3 cm (10.8 in) carapace length straight line and weighed 3.5 kg (7.7 lb). The turtle exhibited some small scrapes on the top and bottom of the carapace. No external tags were present on the turtle. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was taken to the MMSC in Brigantine, NJ during the early afternoon on June 30, 2006. At the MMSC, the turtle was examined, fed and measured and observed. After confirming that the turtle was feeding and moving normally, the turtle was released into the Atlantic Ocean by MMSC personnel at 38<sup>th</sup> Street Beach, Brigantine, NJ on July 5, 2006.

### INCIDENTAL TAKE OF JULY 17, 2006

At approximately 9:35 AM on Monday July 17, 2006, an OCGS Operator performing a routine cleaning of the trash racks noticed a sea turtle swimming below the water surface within Bay # 5 of the dilution water intake structure. The turtle was retrieved as gently as possible using only a dipnet. It appeared to be alive and moving about normally but slowly. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC) representatives who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempfi). The water temperature at the time of the incidental take was approximately 26.7 °C (80.1 °F) and the OCGS was operating at 100 percent 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 dilution water trash racks had been inspected earlier the same day. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured 25.2 cm (9.9 in) carapace length straight line and weighed 2.6 kg (5.7 lb). The turtle appeared to be in good health and moving about normally after its gentle retrieval from the water at OCGS. No external tags were present on the turtle. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was taken to the MMSC in Brigantine, NJ during the early afternoon of July 17, 2006. At the MMSC, the turtle was examined, photographed and held to ensure it was feeding well. After confirming that the turtle was healthy and feeding normally, MMSC personnel tagged and released the turtle at the north end of Brigantine, NJ on July 19, 2006.

#### INCIDENTAL TAKE OF JULY 19, 2006

At approximately 9:30 PM on Wednesday, July 19, 2006 an OCGS Operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation, seaweed and debris removed from Bay # 1 of the circulating water intake structure. The turtle appeared to be healthy, alert and moving about normally. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC) representatives 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 28.1 °C (82.5 °F) and the OCGS was operating at 100 percent 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 dilution water trash racks had been inspected earlier the same day at approximately 9:10 PM. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured 26.7 cm (10.5 in) carapace length straight line and weighed 3.2 kg (7.1 lb). The turtle had no obvious wounds but had a minor amount of bruising or scrapes along its plastron (the underside of the carapace). No external tags were present on the turtle. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was taken to the MMSC in Brigantine, NJ later the night of the incidental take. At the MMSC, the turtle was examined, fed, measured, observed and held for subsequent release. After confirming that the turtle was feeding and moving normally, the turtle was tagged and released into the Atlantic Ocean by MMSC personnel at the north end of Brigantine, NJ on July 23, 2006.

#### INCIDENTAL TAKE OF JULY 25, 2006

At approximately 4:25 AM on Tuesday July 25, 2006, an OCGS Operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation, seaweed and debris removed from Bay # 4 of the dilution water intake structure. The turtle appeared to be dead and moderately decomposed. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC) representative 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 27.9 °C (82.2 °F) and the OCGS was operating at 100 percent 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 dilution water trash racks had been inspected earlier the same day at approximately 3:00 AM. Furthermore, the dilution water trash racks had also been inspected at 1:50 AM the same morning and the turtle was not observed during either inspection.

The turtle was transferred to the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ the same morning as the incidental take. At the MMSC, the turtle was examined and measured. The turtle measured 28.5 cm (11.2 in) carapace length straight line and weighed 3.3 kg (7.3 lb). The upper left portion of the carapace of the turtle had several scutes which were broken along a jagged break line on the left side of the turtle. Some of the scutes were peeling away from the internal body tissues. Additionally, there were some other broken scutes on the plastron (lower side of the carapace) and an area of bruising on the lower left portion of the turtle. The pattern of wounds observed on this turtle were not similar to those observed on any turtle previously taken at OCGS. The crushing wounds to the carapace and plastron of this turtle may have resulted from being struck by an object moving quickly and with great force, such as a boat. According to the necropsy performed by MMSC, the wounds observed may have occurred after the turtle was already dead (post-mortem). After completion of the necropsy, MMSC personnel buried the carcass of the turtle on the beach near the north end of Brigantine, NJ.

#### INCIDENTAL TAKE OF AUGUST 1, 2006

At approximately 5:07 AM on Tuesday, August 1, 2006 an OCGS Operator performing a routine cleaning of the trash racks noticed a large sea turtle under the water within Bay # 1 of the circulating water intake structure. It appeared to be alert, healthy and moving about normally when taken. In accordance with OCGS procedures, operators retrieved the turtle as gently as possible using a custom-designed dip net and lift net. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC) representative who took custody of the turtle confirmed it to be a subadult or adult loggerhead sea turtle (*Caretta caretta*). The water temperature at the time of the incidental capture was approximately 29.4 °C (85.0 °F) and the OCGS was operating at 100 percent 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 dilution water trash racks had been inspected earlier the same morning. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured 74.0 cm (29.1 in) carapace length straight line and weighed 50.4 kg (111 lb). There were no signs of scrapes, wounds or bruising on the turtle. There were numerous barnacles encrusting its carapace. 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 MMSC in Brigantine, NJ later the same morning that the incidental take occurred. At the MMSC, the turtle was examined, fed and measured and held for observation prior to release. After confirming that the turtle was feeding on its own and diving normally, MMSC personnel tagged and released the turtle into the Atlantic Ocean at Brigantine, NJ on August 2, 2006.

#### INCIDENTAL TAKE OF OCTOBER 6, 2006

At approximately 9:40 AM on Friday, October 6, 2006 an OCGS Operator performing a routine cleaning of the trash racks noticed a live sea turtle among the vegetation, seaweed and debris removed from Bay # 6 of the dilution water intake structure. The turtle appeared to be healthy, alert and moving about normally. The OCGS Environmental personnel and Marine Mammal Stranding Center (MMSC)

representative 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 capture was approximately 18.8 °C (65.8 °F) and the OCGS was operating at 92.5 percent 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 dilution water trash racks had been inspected earlier the same morning. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured 25.1 cm (9.9 in) carapace length straight line and weighed only 1.6 kg (3.5 lb). Due to a pre-existing injury, almost the entire right front flipper was missing except for a short section covered with scar tissue. No tags were present on the turtle when taken. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was taken to the MMSC in Brigantine, NJ at approximately 11:00 AM on October 6, 2006. At the MMSC, the turtle was examined, fed and measured and observed. Because the outer scar tissue on the turtle's right front flipper had developed a small open wound during its attempts to free itself, MMSC personnel determined that the turtle would be transferred to the Karen Beasley Sea Turtle Rescue and Rehabilitation Center in Topsail Island, NC for further treatment. It is anticipated that following medical treatment at the Beasley Center, the turtle will be released into the nearby Atlantic Ocean.

## Comparison of Annual Sea Turtle Incidental Takes With Prior Years

Regarding trends in the number of incidental sea turtle takes at the OCGS, six incidental takes occurred during 2006 which is somewhat higher than the longterm average of between two and three incidental takes per year recorded over the last decade. However, the annual abundance of sea turtles in this vicinity appears to be highly variable, unpredictable, and unrelated to the operation of the OCGS. There are several factors that may influence the number of sea turtle incidental takes that occur at the OCGS. Barnegat Inlet, the only tidal inlet in the vicinity of Oyster Creek, which provides access to Barnegat Bay from the Atlantic Ocean, was deepened during dredging operations in the early 1990's. Completion of the Barnegat Inlet dredging operation resulted in an increase in the tidal prism, or volume of water entering and exiting the inlet on a single tidal cycle, as well as a slightly greater tidal range at Oyster Creek. The deepening of Barnegat Inlet and associated waterway channels was completed immediately prior to 1992, when incidental takes of sea turtles began to occur at OCGS, and may partially explain the occurrence of the turtles.

It is likely that the local variability of sea turtle abundance is also related to biological factors including the abundance of organisms on which sea turtles prefer to feed, such as blue crabs, horseshoe crabs, and calico crabs. Blue crabs have been particularly abundant in Barnegat Bay in recent years, in contrast to other coastal bays along the Atlantic coast such as Chesapeake Bay. Physical factors, such as an oceanic front or an oceanic gyre occurring unusually close to Barnegat Inlet, may also play a part in the prevalence of sea turtles near Oyster Creek because oceanic fronts have been shown to be used as a migratory and forage habitat by sea turtles (Polovina et al, 2000). Experience has also shown that the passage of a severe storm or pressure system near Barnegat Inlet can cause major increases in winds, waves, tides and tidal prism in shallow estuarine waters such as Barnegat Bay. These events could increase the likelihood of slowly swimming organisms such as sea turtles occurring in the estuary.

Many years of environmental sampling conducted near the OCGS have repeatedly demonstrated that the abundance of various marine organisms can vary considerably from year to year, often by orders of magnitude. This is particularly true for seasonal migrants, whose abundance in Barnegat Bay is highly dependent upon physical and biological factors along the migratory route. Therefore, the observed annual variation in sea turtle incidental takes at the OCGS from a minimum of zero to a maximum of eight per year is not considered particularly significant. The ultimate goal of the considerable effort being put forward at the OCGS for the protection of sea turtles is to protect the turtles that do arrive at the plant, and to release as many turtles as possible to safety. The OCGS program for the protection of threatened and endangered sea turtles can be considered to be quite successful because most of the sea turtles incidentally captured at OCGS since 1992 have subsequently been released alive and well, to the Atlantic Ocean in locations free from potential cold-shock, due to the efforts of OCGS personnel. This was particularly true during 2006, when four of the six turtles incidentally taken at OCGS were subsequently released alive and well, and the fifth is anticipated to be released after medical treatment is completed. The necropsy performed on the one dead sea turtle incidentally taken at OCGS during 2006 was unable to conclusively determine the cause of death or whether OCGS contributed to its death. However, it is considered highly plausible that a boat collision could have been the cause of death because of the heavy recreational boat traffic in Barnegat Bay near OCGS and the unusual and severe nature of the wounds to that turtle.

The five incidental takes of Kemp's ridley turtles during 2006 at the OCGS did not exceed the

Incidental Take Statement (ITS) limit, which is currently a maximum of eight Kemp's ridleys per year. Nor did the incidental take of one loggerhead turtle during 2006 exceed the OCGS ITS limit of two loggerheads per year. Likewise, the one lethal Kemp's ridley take at the OCGS during 2006 did not approach the ITS limit of up to four dead Kemp's ridley turtles per year. It was determined by necropsy that the lone 2006 lethal take at OCGS may possibly have been the result of a collision with a boat, or that turtle may have had wounds inflicted on it after it was already dead (post-mortem).

#### 2006 Endangered Species Act Section 7 Consultation

In a letter dated June 9, 2006, NRC requested the initiation of Section 7 consultation on the effects of the operation of OCGS under a renewed NRC license. The current OCGS NRC license expires on April 9, 2009. NRC is currently considering an extension of the term of the OCGS license for an additional 20 years, with the renewed license expiring on April 9, 2029. On November 21, 2006 NOAA's National Marine Fisheries Service (NMFS) issued its Biological Opinion (Opinion) and ITS on the impacts on endangered and threatened species of the NRC's proposal to renew the OCGS operating license. In this Opinion, NMFS concludes that the continued operation of OCGS under a renewed operating license may adversely affect but is not likely to jeopardize the continued existence of endangered Kemp's ridley, green, or threatened loggerhead sea turtles. The ITS exempts the annual take of up to 8 sea turtles at OCGS each year. NMFS anticipates that up to 3 of the 8 sea turtles may be dead; of the dead sea turtles, no more than 1 is likely to be a green sea turtle and no more than 1 is likely to be a loggerhead.

Note that NMFS is of the understanding that OCGS will operate under the limits of its current Biological Opinion and ITS (dated September 22, 2005) until such time as NRC renews the OCGS NRC Operating License. At the time NRC renews the license for OCGS, NMFS will consider the September 22, 2005 Biological Opinion and ITS withdrawn and the conditions of the November 21, 2006 ITS will become effective.

#### References

Polovina, J.J., D.R. Kobayashi, D.M. Ellis, M.P. Seki, and G.H. Balazs. 2000. Turtles on the edge: Movement of loggerhead turtles (*Caretta caretta*) along oceanic fronts in the central North Pacific, 1997-1998. *Fish. Oceanogr.*, 9: 71-82.

**ATTACHMENT I**

**SEA TURTLE INCIDENTAL TAKE REPORTS 2006-1 THROUGH 2006-6**

## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Capture Report 2006-1

At approximately 1100 hours on Friday June 30, 2006, an Oyster Creek Generating Station (OCGS) operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation and debris removed from Bay # 1 of the dilution water intake structure. The turtle appeared to be alive and in good condition when captured. OCGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kemp). The water temperature at the time of the incidental capture was approximately 78.1 F (25.6 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 dilution water trash racks had been inspected earlier the same day at 0500 hours. The turtle was not observed during that trash rack inspection.

The turtle measured 10.8 in (27.3 cm) carapace length straight line and weighed 7.7 lb (3.5 kg). Some small scrapes were observed on the dorsal and ventral (top and bottom) surfaces of the carapace. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the capture within 24 hours on June 30, 2006.

The turtle was taken to the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1300 hours on June 30, 2006. At the MMSC, the turtle was examined, fed and observed. After confirming that the turtle was feeding and moving normally, the turtle was released into the Atlantic Ocean by MMSC personnel at 38<sup>th</sup> Street Beach, Brigantine, NJ on July 5, 2006.

# 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 06 Month 06 Day 30  
 Turtle number by day 01  
 Field ID # MMSC-06-076  
 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.

**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 water intake  
 Latitude 39.81417°N Longitude 74.20700°W

Carcass necropsied?  Yes  No  
 Photos taken?  Yes  No  
 Species verified by coordinator?  
 Yes  No

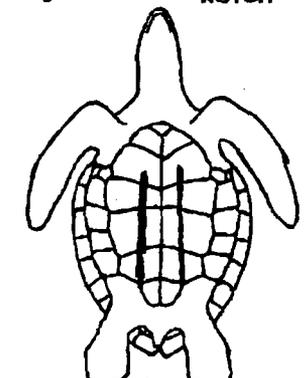
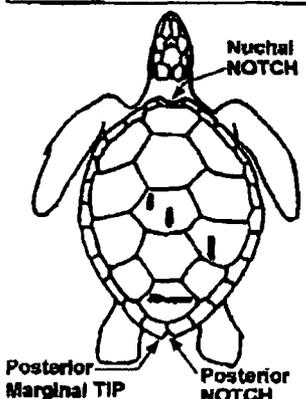
**CONDITION: (check one)**  
 0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

**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? \_\_\_\_\_  
 4 = Pulled up on beach/dune; painted?  Yes\*  No  
 6 = Alive, released  
 7 = Alive, taken to rehab. facility, where? MMSC  
 Released 07/05/2008  
 8 = Left floating, not recovered; painted?  Yes\*  No  
 9 = Disposition unknown, explain \_\_\_\_\_  
 \*If painted, what color? \_\_\_\_\_

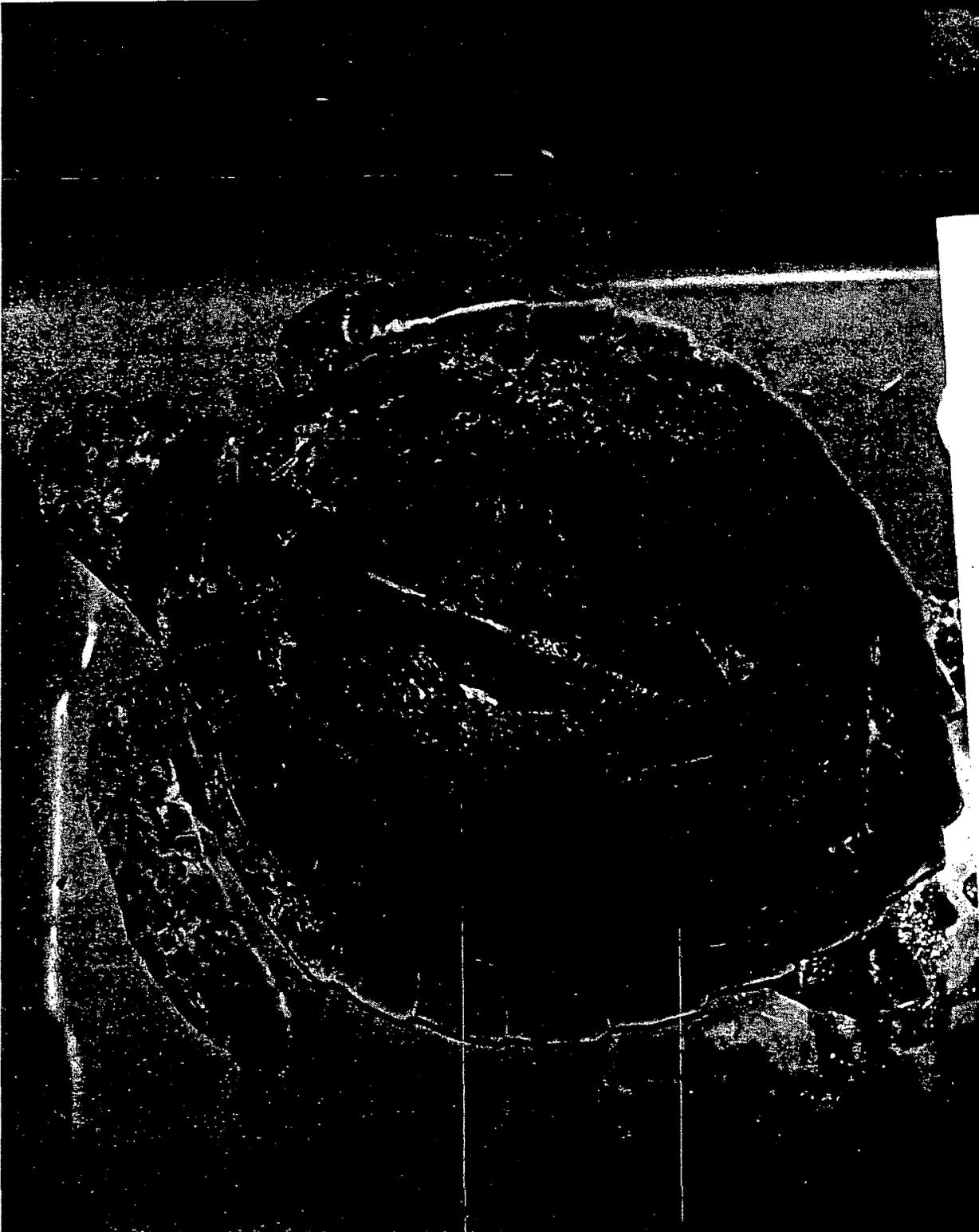
**SEX:**  
 Undetermined  
 Female  Male  
 Does tail extend beyond carapace?  
 Yes; how far? \_\_\_\_\_ cm / in  
 No  
 How was sex determined?  
 Necropsy  
 Tail length (adult only)

**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)  
 Checked for living tag?  Yes  No  
 If found, record location (scute number & side)

**CARAPACE MEASUREMENTS: (see drawing)**  
 Using calipers Circle unit  
 Straight length (NOTCH-TIP) 27.3  cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Straight width (Widest Point) 25.8  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. 7.7 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.  
minor abrasions on carapace and plastron from water intake grate;  
observed for several days; eating well on own and diving with out difficulty;  
tagged LFF with metal tag #SSL176; released 07/05/2006 at 38<sup>th</sup> St. beach,  
Brigantine, NJ Lat: 39.38917 °N Long: 74.38667 °W



OYSTER CREEK GENERATING  
STATION  
FORKED RIVER, NJ

6/30/2006 11:05 AM

LIVE JUVENILE KEMP'S RIDLEY  
11 INCHES SCL.

## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Take Report 2006-2

At approximately 0935 hours on Monday July 17, 2006, an Oyster Creek Generating Station (OCGS) operator performing a routine cleaning of the trash racks noticed a sea turtle under the water within Bay # 5 of the dilution water intake structure. The turtle appeared to be healthy and moving about normally but slowly. OCGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempfi). The water temperature at the time of the incidental take was approximately 80.1 F (26.7 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 dilution 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 9.9 in (25.2 cm) carapace length straight line and weighed 5.7 lb (2.6 kg). Minor abrasions and bruising were observed on the underside of the neck and flippers. 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 1230 hours on July 17, 2006. At the MMSC, the turtle was examined, measured, fed and held for observation prior to release. After confirming that the turtle was healthy and feeding normally, MMSC personnel tagged and released the turtle at the north end of Brigantine, NJ on July 19, 2006.

# 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 06 Month 07 Day 17  
 Turtle number by day 01  
 Field ID # MMSC-06-081  
 Coordinator must be notified within 24 hrs; this was done by  phone (809)266-0538  
 email  fax

**SPECIES: (check one)**

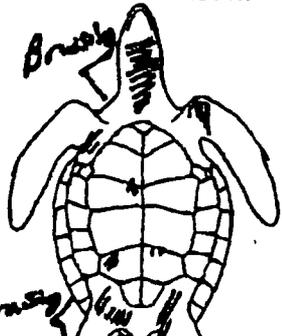
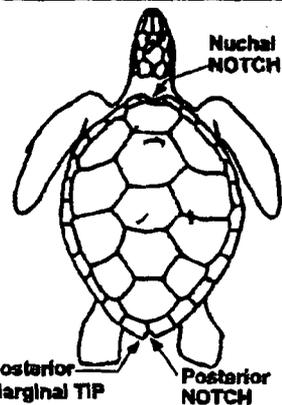
- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's Ridley
- LO = Olive Ridley
- UN = Unidentified

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 County  
 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)

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
- 5 = Alive, released
- 7 = Alive, taken to rehab. facility, where? MMSC,  
released 7/19/06
- 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) 25.2 cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Straight width (Widest Point) 24 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. 5.8 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.

Minor abrasions on carapace, plastron, and head. Severe bruising on neck and base of all four flippers. Had been trapped on power plant grate. Turtle was lethargic during transport, but it became alert and responsive at MMSC. Taken to MMSC for rehab. Observed for several days. Tagged RFF with metal tag #SSL115; released 07/19/2006 at the north end Brigantine, NJ Lat: 39.44361 °N Long: 74.33333 °W

INVESTIGATION  
FORWARD BY: NJ  
7/17/06 9:35 AM  
LIVE KIM'S BIBLE JOURNAL  
IN ENGLISH M.T.

OC 2006-2

## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Take Report 2006-3

At approximately 2130 hours on Wednesday July 19, 2006, an Oyster Creek Generating Station (OCGS) operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation and debris removed from Bay # 1 of the circulating water intake structure. The turtle appeared to be healthy, alert and moving about normally. OCGS Environmental personnel 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 82.5 F (28.1 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 at 2110 hours the same evening. The turtle was not observed during that trash rack inspection and cleaning.

The turtle measured only 10.5 in (26.7 cm) carapace length straight line and weighed 7.1 lb (3.2 kg). The turtle had no obvious wounds but had a minor amount of bruising or scrapes along its plastron (the underside of its carapace). 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 later the night of the incidental take. At the MMSC, the turtle was examined, measured, fed and held for subsequent release. After confirming that the turtle was healthy and feeding normally, MMSC personnel tagged and released the turtle at the north end of Brigantine, NJ on July 23, 2006.

# 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 06 Month 07 Day 19  
 Turtle number by day 01  
 Field ID # MMSC-06-082  
 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? 1 cm / in  
 No  
 How was sex determined?  
 Necropsy  
 Tail length (adult only)

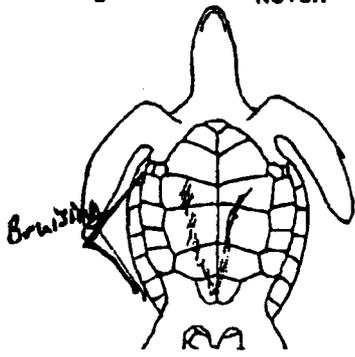
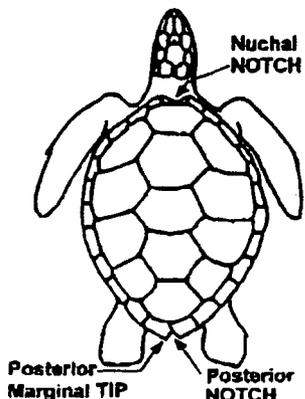
**STRANDING LOCATION:**  Offshore (Atlantic or Gulf beach)  Inshore (bay, river, sound, inlet, etc)  
 State New Jersey County Ocean County  
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Power Plant, Impinged on grate  
 Latitude 39.81417°N Longitude 74.20700°W

**CONDITION: (check one)**  
 0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

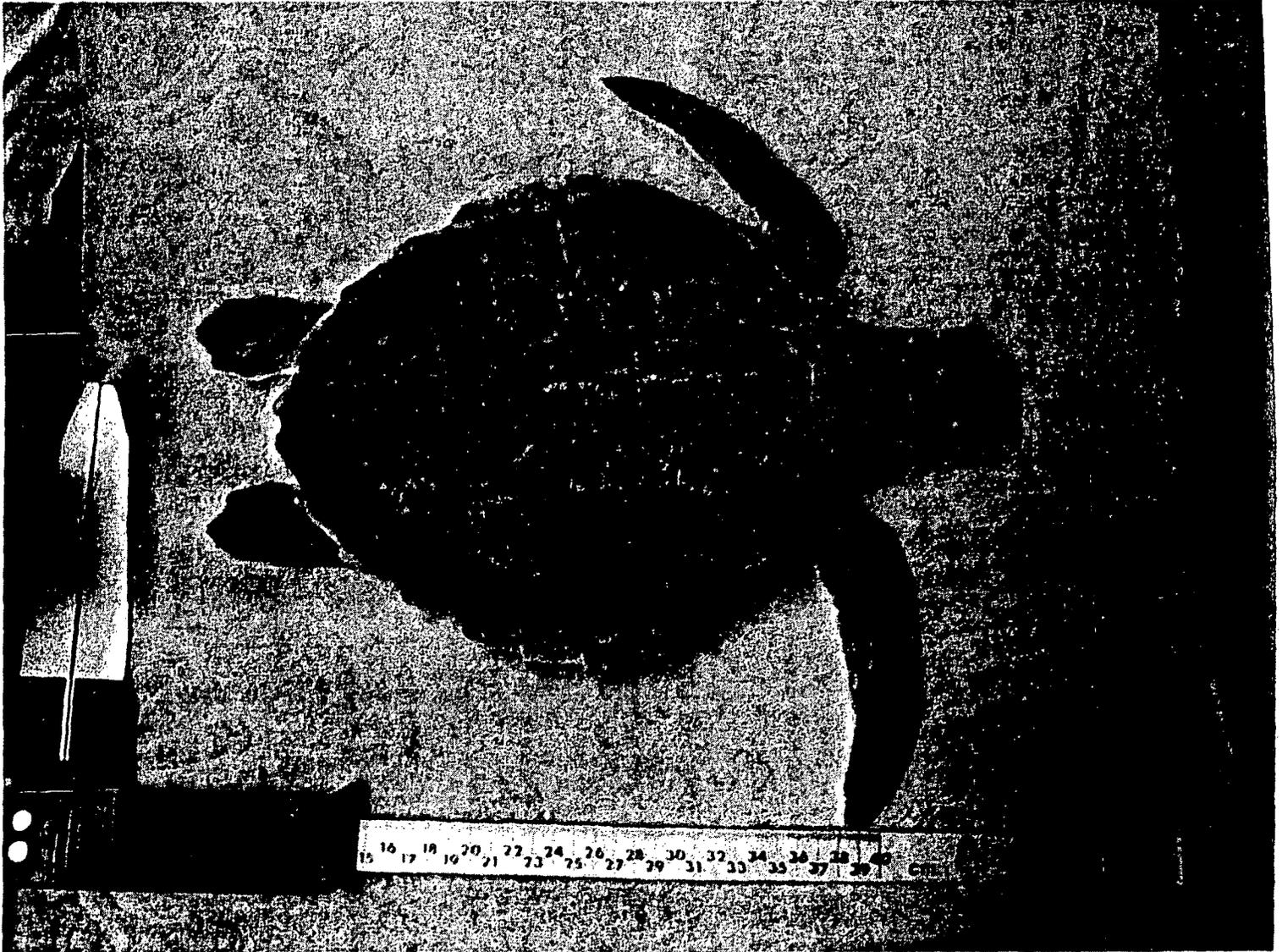
**FINAL DISPOSITION: (check)**  
 1 = Left on beach where found; painted?  Yes\*  No(5)  
 2 = Buried:  on beach /  off beach; carcass painted before buried?  Yes\*  No  
 3 = Salvaged:  all /  part(s), what/why? \_\_\_\_\_  
 4 = Pulled up on beach/dune; painted?  Yes\*  No  
 5 = Alive, released  
 7 = Alive, taken to rehab. facility, where? MMSC  
 8 = Left floating, not recovered; painted?  Yes\*  No  
 9 = Disposition unknown, explain \_\_\_\_\_  
 \*if painted, what color? \_\_\_\_\_

**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)  
 Checked for living tag?  Yes  No  
 If found, record location (scute number & side)

**CARAPACE MEASUREMENTS: (see drawing)**  
 Using callipers Circle unit  
 Straight length (NOTCH-TIP) 26.7 cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Straight width (Widest Point) 24.8 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. 7.1 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.  
Turtle was taken to MMSC for observation after being impinged on grate. It was alert and responsive during transport and at the center. There was a small amount of algae on carapace, and minor bruising to the plastron. observed for several days; eating well on own and diving with out difficulty; tagged LFF with metal tag #SSL116; released 07/23/2006 at the North end of Brigantine, NJ Lat: 39.44361 °N Long: 74.33333°W



## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Take Report 2006-4

At approximately 0425 hours on Tuesday July 25, 2006 an Oyster Creek Generating Station (OCGS) operator performing a routine cleaning of the trash racks noticed a sea turtle among the vegetation and debris removed from Bay # 4 of the dilution water intake structure. The turtle appeared to be dead and moderately decomposed. OCGS 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 82.2 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 turtle was not observed during the previous trash rack cleaning, which occurred at 0300 hours the same morning. Furthermore, the dilution water trash racks had been inspected at 0150 hours the same morning and the turtle was not observed during that inspection. No tags or scarring from previous tags were present on the turtle when taken. USNRC and NMFS personnel were notified of the take within 24 hours.

The turtle was transferred to the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ the same morning as the incidental take. At the MMSC, the turtle was examined and measured. The turtle measured 11.2 in (28.5 cm) carapace length straight line and weighed 7.2 lb (3.3 kg). The upper left portion of the carapace of the turtle had several scutes, which were broken along a jagged break line on the left side of the turtle. Some of its scutes were peeling away from the internal body tissues. Additionally, there were some other broken scutes on the plastron (lower side of the carapace) and an area of bruising on the lower left portion of the turtle. The pattern of wounds observed on this turtle were not similar to those observed on any turtle previously taken at OCGS. The crushing wounds to the carapace and plastron of this turtle may have resulted from being struck by an object moving quickly and with great force, such as a boat. According to the necropsy performed by MMSC, the wounds observed may have occurred after the turtle was already dead (post-mortem). After completion of the necropsy, MMSC personnel buried the carcass of the turtle on the beach near the north end of Brigantine, NJ.

# 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 06 Month 07 Day 25  
 Turtle number by day 01  
 Field ID # MMSC-06-088  
 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 County  
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Power Plant, Impinged on grate  
 Latitude 39.81417°N Longitude 74.20700°W

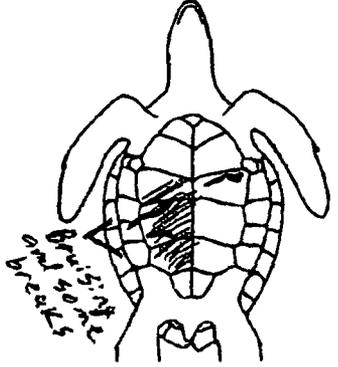
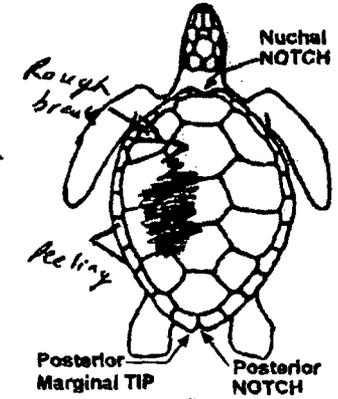
**CONDITION: (check one)**  
 0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

**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  
 = Alive, released  
 = Alive, taken to rehab. facility, where?       
 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) 28.5 cm / in  
 Minimum length (NOTCH-NOTCH)      cm / in  
 Straight width (Widest Point) 26 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. 7.2 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 found dead impinged on grate. It was moderately decomposed. Carapace and plastron show evidence of being crushed. (Possibly post mortem). Carapace has scutes peeling off of the left side. Stomach and intestines were full. Contents included crab claws and crab parts. Organs were discolored and becoming liquidy due to normal decomposition. Buried at the north end of Brigantine on the beach.



## OYSTER CREEK GENERATING STATION

### Sea Turtle Incidental Take Report 2006-5

At approximately 0507 hours on Tuesday August 1, 2006, an Oyster Creek Generating Station (OCGS) operator performing a routine cleaning of the trash racks noticed a sea turtle under the water within Bay # 1 of the circulating water intake structure. The turtle appeared to be alert, healthy and moving about normally. In accordance with OCGS procedures, operators retrieved the sea turtle as gently as possible using a custom-designed dip net and lift net. OCGS Environmental personnel who took custody of the turtle confirmed it to be an adult loggerhead sea turtle (Caretta caretta). The water temperature at the time of the incidental take was approximately 85.0 F (29.4 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 dilution 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 29.1 in (74.0 cm) carapace length straight line and weighed 111 lb (50.4 kg). There was no sign of wounds or bruising on the turtle. There were numerous barnacles encrusting its carapace. 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 later the same morning that the incidental take occurred. At the MMSC, the turtle was examined, measured, fed and held for observation prior to release. After confirming that the turtle was feeding well on its own and diving normally, MMSC personnel tagged and released the turtle into the Atlantic Ocean at Brigantine, NJ on August 2, 2006.

# 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 06 Month 08 Day 01  
 Turtle number by day 01  
 Field ID # MMSC-06-093  
 Coordinator must be notified within 24 hours; this was done by  phone (809)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)

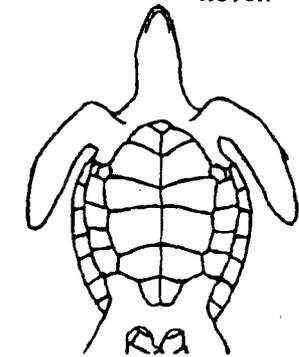
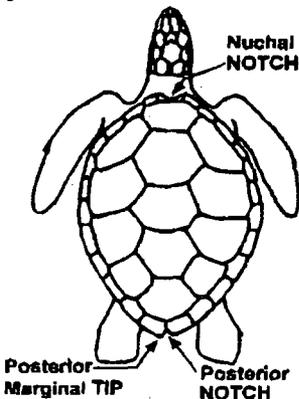
**STRANDING LOCATION:**  Offshore (Atlantic or Gulf beach)  Inshore (bay, river, sound, etc.)  
 State New Jersey County Ocean County  
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Power Plant, Impinged on grate  
 Latitude 39.81417°N Longitude 74.20700°W

**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)  
 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  
 5 = Alive, released  
 6 = Alive, taken to rehab. facility, where? MI  
 7 = Left floating, not recovered; painted?  Yes  No  
 8 = Disposition unknown, explain  
 \*If painted, what color?     

**CARAPACE MEASUREMENTS: (see drawing)**  
 Using calipers  
 Straight length (NOTCH-TIP) 74 mm / in  
 Minimum length (NOTCH-NOTCH)      mm / in  
 Straight width (Widest Point) 65 est. mm / in  
 Using non-metal measuring tape  
 Curved length (NOTCH-TIP)      mm / in  
 Minimum length (NOTCH-NOTCH)      mm / in  
 Curved width (Widest Point)      mm / in  
 Weight  actual /  est. 111 g / lb



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

Turtle was taken to MMSC for observation after being impinged on grate. It was alert and responsive during transport and at the center. Slight curvature of the spine. There were a small amount of barnacles, gooseneck barnacles, and leaches on carapace. He was observed for a day; eating well on and diving with out difficulty; pit tagged LFF with bar code: 4361077D68 and metal tagged RFF #SSL117; released 08/02/2006 at 38th Street and b Brigantine, NJ Lat: 39.38917 °N Long: 74.38667 °W. 4361077D



OC 2006-5

## **OYSTER CREEK GENERATING STATION**

### **Sea Turtle Incidental Take Report 2006-6**

At approximately 0940 hours on Friday October 6, 2006, 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 # 6 of the dilution 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 kempfi). The water temperature at the time of the incidental take was approximately 65.8 F (18.8 C) and OCGS was in operation at 92.5 % 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 dilution 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 9.9 in (25.1 cm) carapace length straight line and weighed 3.5 lb (1.6 kg). Due to a pre-existing injury, almost the entire right front flipper was missing except for a short section covered with scar tissue. 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 1100 hours on October 6, 2006. At the MMSC, the turtle was examined, measured, fed and held for observation prior to release. Because the outer scar tissue on the turtle's right front flipper had developed a small open wound during its attempts to free itself, MMSC personnel determined that the turtle would be transferred to the Karen Beasley Sea Turtle Rescue and Rehabilitation Center in Topsail Island, NC for further treatment. It is anticipated that following medical treatment at the Beasley Center, the turtle will be released into the nearby Atlantic Ocean.

2010  
SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

**OBSERVER'S NAME / ADDRESS / PHONE:**  
 First Andi M.I.  Last Blehl  
 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 06 Month 10 Day 06  
 Turtle number by day 01  
 Field ID # MMSC-06-134  
 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 Identified  
 Check  positive /  identified if not / Do Not Guess.

**STRANDING LOCATION:**  Offshore (Atlantic or Gulf beach)  Inshore (bay, river, sound, inlet, etc)  
 State New Jersey County Ocean County  
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Power Plant  
Impinged on grate  
 Latitude 39.81417 'N Longitude 74.20700 'W

Carcass  incriminated?  Yes  No  
 Photos  taken?  Yes  No  
 Species  identified by coordinator?  No

**CONDITION:** (check one)  
 0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

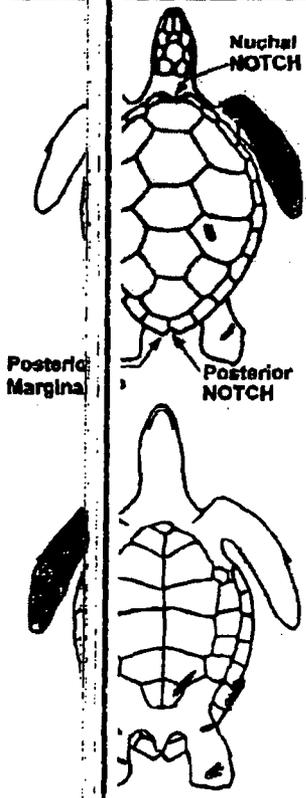
**FINAL DISPOSITION:** (check)  
 1 = Left on beach where found; painted?  Yes\*  No(5)  
 2 = Buried:  on beach /  off beach; carcass painted before buried?  Yes\*  No  
 3 = Salvaged:  all /  part(s), what/why? \_\_\_\_\_  
 4 = Pulled up on beach/dune; painted?  Yes\*  No  
 6 = Alive, released  
 7 = Alive, taken to rehab. facility, where? Topsail Is., NC  
The Karen Beasley Sea Turtle Rescue and Rehabilitation Center  
 8 = Left floating, not recovered; painted?  Yes\*  No  
 9 = Disposition unknown, explain \_\_\_\_\_  
 \*If painted, what color? \_\_\_\_\_

**SEX:**  
 Undetermined  
 Female  
 Male  
 Does tag extend beyond carapace?  Yes  No  
 How was sex determined?  Necropsy  Tag length (adult only)

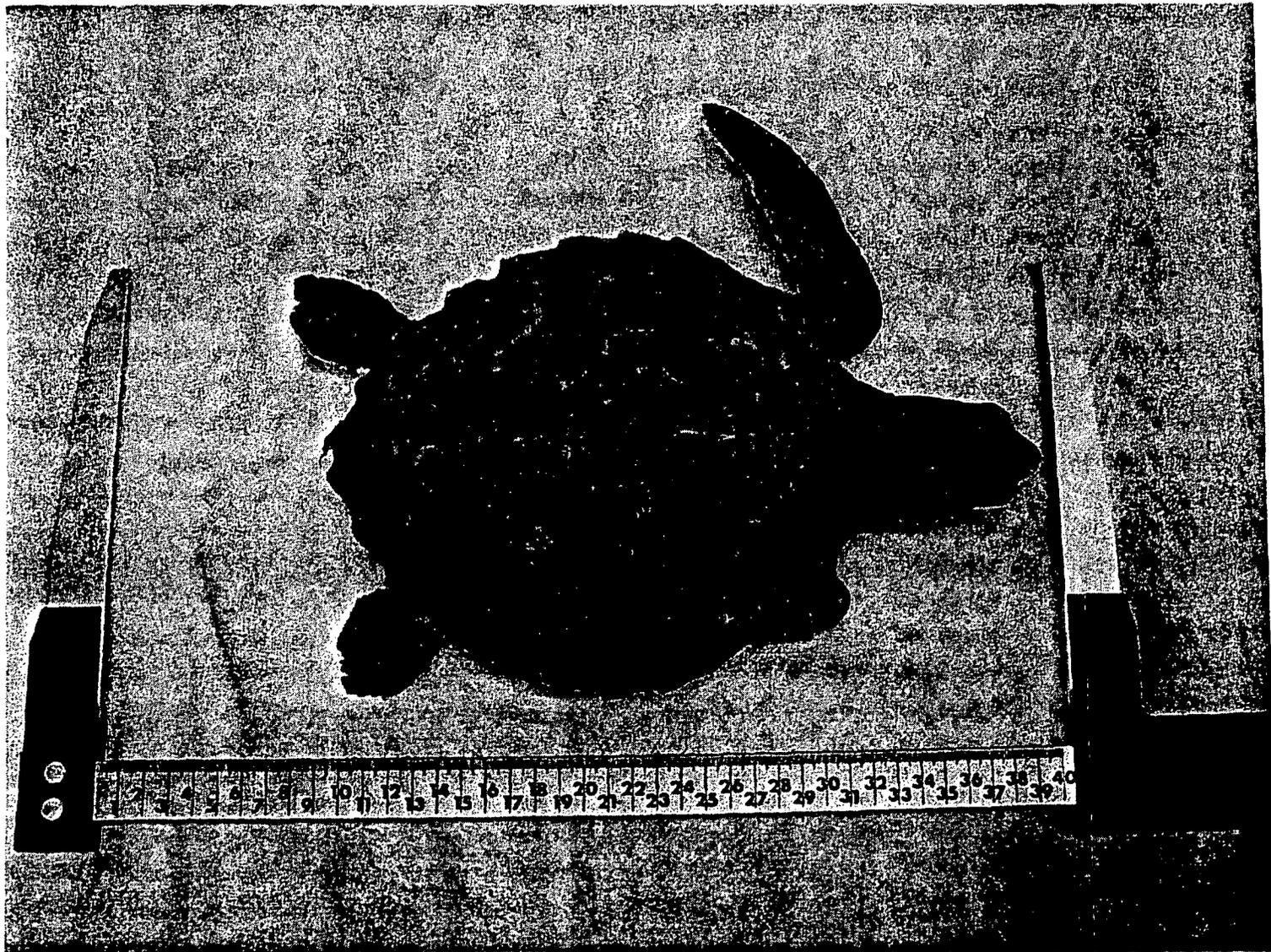
**TAGS:** Contact coordinator before disposing of any tagged animal!  
 Checked for flipper tags?  Yes  No  
 Check all 4 flippers. If found, record tag number(s) / tag location / return address: \_\_\_\_\_

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): \_\_\_\_\_

**CARAPACE MEASUREMENTS:** (see drawing)  
 Using callipers Circle unit  
 Straight length (NOTCH-TIP) 25.1 cm / in  
 Minimum length (NOTCH-NOTCH) \_\_\_\_\_ cm / in  
 Straight width (Widest Point) 19.6 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. 3.4 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; bright, alert, responsive; RRF has been cleanly severed just before the socket/joint connection; abrasions on all four flippers; RRF has 1/2 inch cut on ventral surface with healed area on dorsal surface; some scaring on plastron; taken to MMSC for treatment.  
10-7-06 Transferred to Topsail Turtle Hospital - The Karen Beasley Sea Turtle Rescue and Rehabilitation Center for surgery and Rehabilitation



**AmerGen**<sup>™</sup>

An Exelon Company

---

**AMERGEN ENERGY COMPANY**  
P.O. BOX 388, ROUTE 9  
FORKED RIVER, NJ 08731-0388

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

RETURN POSTAGE GUARANTEED      AG2163 (3/00)

