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An Exelon Company

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

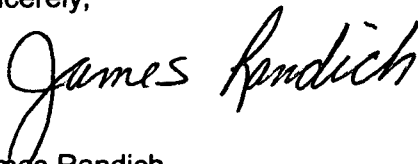
Oyster Creek Nuclear Generating Station
Facility Operating License No. DPR-16
NRC Docket No. 50-219

Subject: Sea Turtle Incidental Take Reports 2008-1 and 2008-2

This report provides detailed information regarding the recent incidental takes of two juvenile Kemp's ridley sea turtles at Oyster Creek Nuclear Generating Station on two separate occasions. The turtles were taken alive on June 27 and July 7, 2008, from the circulating water intake bays. As indicated on the attached incident reports, the turtles were promptly turned over to the custody of the Brigantine Marine Mammal Stranding Center (MMSC) for examination and tagging. Both animals were active with no major injuries.

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

Sincerely,



James Randich
Plant Manager, Oyster Creek Nuclear Generating Station

Enclosures:

1. Sea Turtle Incidental Take Report 2008-1 with photograph
2. MMSC-093 Sea Turtle Stranding and Salvage Network Stranding Report
3. Sea Turtle Incidental Take Report 2008-2 with photograph
4. MMSC-097 Sea Turtle Stranding and Salvage Network Stranding Report

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K1 PR

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cc: Julie Crocker
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National Marine Fisheries Service Northeast Region
Protected Resources Division
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Regulatory Assurance File No. 07024

OYSTER CREEK NUCLEAR GENERATING STATION

Sea Turtle Incidental Take Report 2008-1

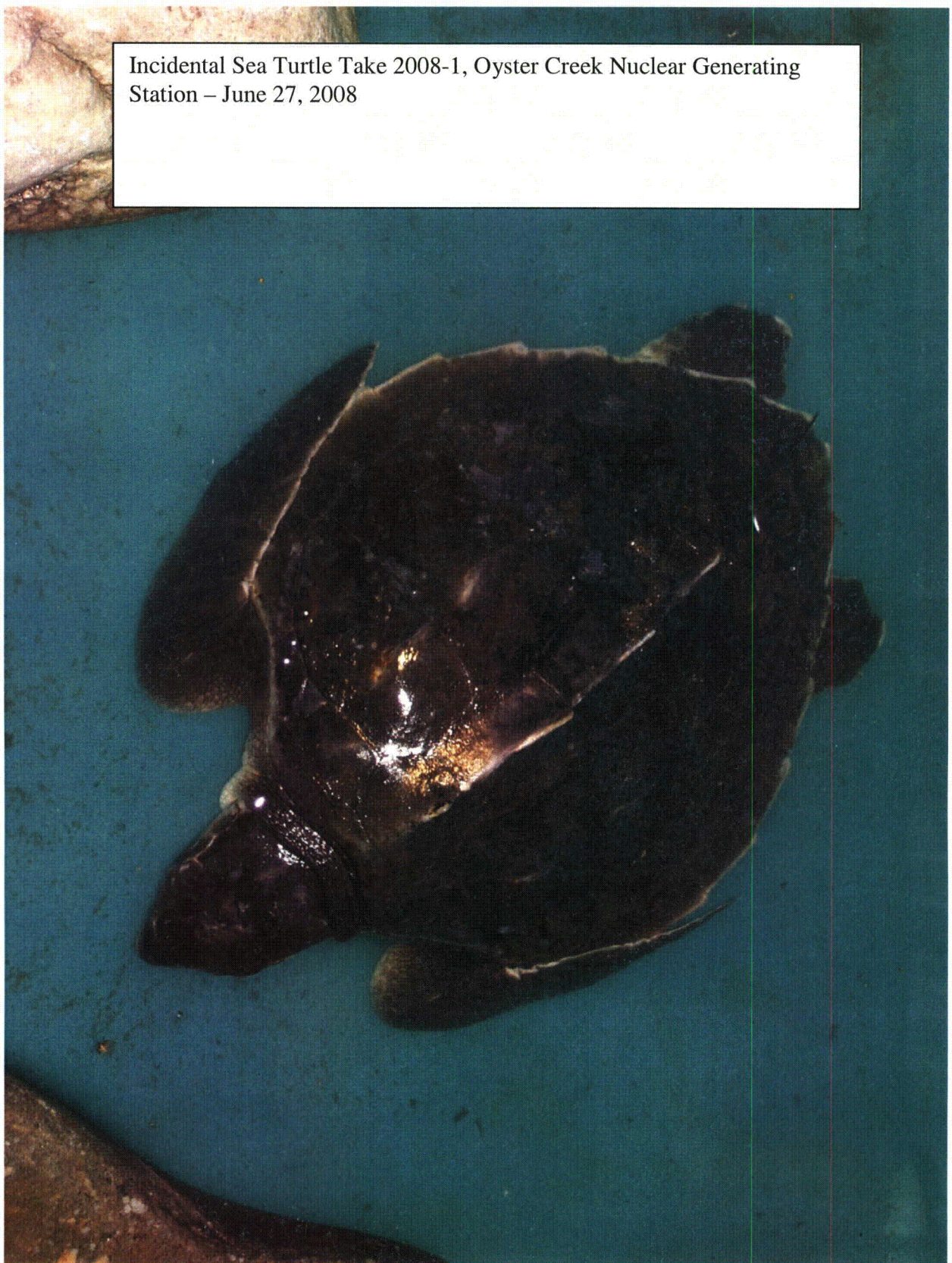
At approximately 0220 hours on Friday, June 27, 2008, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a live sea turtle with its head above water in Bay #1 of the circulating water intake. The water temperature at the time of the incidental take was approximately 78 degrees F (25.6 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy.

The turtle appeared to be healthy and was very active. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). 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 21.7 cm carapace length straight line and weighed 3.4 lb. 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 handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 0515 hours on June 27, 2008. At the MMSC, the turtle was examined, measured, fed, and tagged. MMSC personnel reported that the animal was very active and suffered no major injuries. Only minor bruising was present on plastron and ventral surfaces of its flippers. The animal began eating immediately upon arrival at MMSC. At the time of this report, the turtle is still being held at the MMSC until arrangements for its release are finalized.

Incidental Sea Turtle Take 2008-1, Oyster Creek Nuclear Generating
Station – June 27, 2008



SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:

First Brandi M.I. 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 08 Month 06 Day 27
 Turtle number by day 01
 Field ID # MMSC-093
 Coordinator must be notified within 24 hrs; this was done by ☒ phone (609)266-0538
☐ email ☐ fax

SPECIES: (check one)

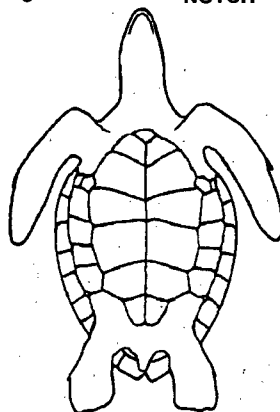
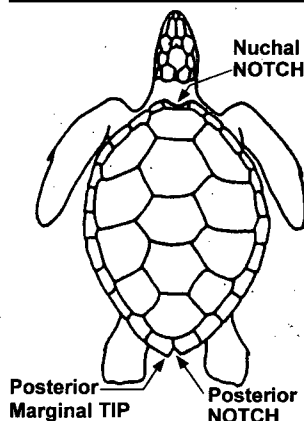
- ☐ CC = Loggerhead
☐ CM = Green
☐ DC = Leatherback
☐ EI = Hawksbill
☒ LK = Kemp's Ridley
☐ LO = Olive Ridley
☐ UN = Unidentified

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 Generating Station.
 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
 Straight length (NOTCH-TIP) 21.7 ☒ cm ☐ in
 Minimum length (NOTCH-NOTCH) ☐ cm ☐ in
 Straight width (Widest Point) 20.5 ☒ cm ☐ in
 Using non-metal measuring tape
 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.**

Turtle was impinged on cooling intake. Animal was very active and suffered no major injuries. Only minor bruising present on plastron and ventral surfaces of flippers. Animal began eating immediately upon arrival at MMSC. Tagged right front flipper stainless steel tag #SSL120 and PIT tagged on left front flipper #43101A6518.

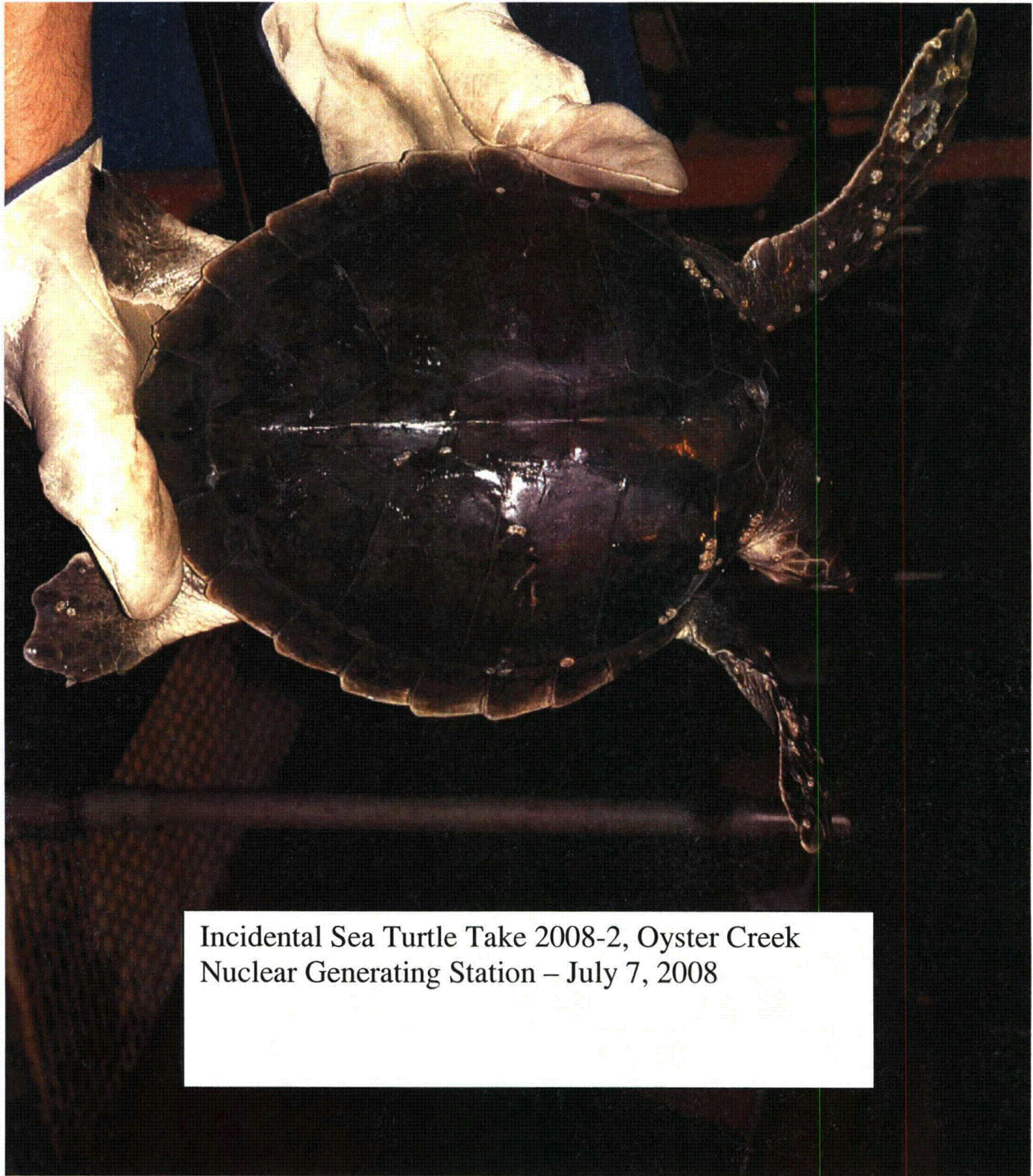
Sea Turtle Incidental Take Report 2008-2

At approximately 0131 hours on Monday, July 7, 2008, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a live sea turtle during trash removal activities in Bay #3 of the circulating water intake. The water temperature at the time of the incidental take was approximately 77.1 degrees F (25.0 C) and OCNGS was in operation at 100 % power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy.

The turtle appeared to be healthy and was active. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been in the intake bay prior to removal, the circulating water trash racks had been inspected four hours prior to the take at 21:19 hours the previous evening. The trash racks had last been cleaned approximately 24 hours prior to the take.

The turtle measured only 25.9 cm carapace length straight line and weighed 5.9 lb. 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 handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 0425 hours on July 7, 2008. At the MMSC, the turtle was examined and measured. MMSC personnel reported that the animal was active during transport to MMSC but had numerous small barnacles present on its flippers, head, carapace, and plastron. Only minor bruising was present on plastron and ventral surfaces of its flippers. At the time of this report, the turtle is still being held at the MMSC due to their concern regarding pre-existing heavy barnacle infestation and abnormal blood work. The turtle is presently being treated with antibiotics and will be held at MMSC until such time as they determine release is appropriate.



Incidental Sea Turtle Take 2008-2, Oyster Creek
Nuclear Generating Station – July 7, 2008

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 08 Month 07 Day 07

Turtle number by day 01

Field ID # MMSC-097

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?

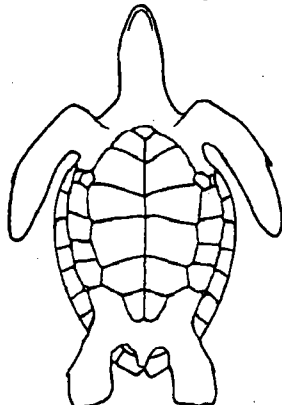
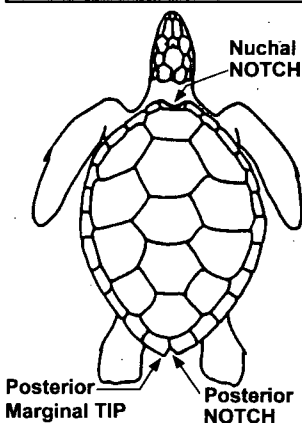
☐ Yes; how far? cm / in

☒ 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 Generating Station.

Latitude 39.81417°N

Longitude 74.20700°W

CONDITION: (check one)

- ☒ 0 = Alive
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☐ 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

☐ 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)

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) 25.9 ☒ cm ☐ in

Minimum length (NOTCH-NOTCH) ☐ cm ☐ in

Straight width (Widest Point) 23.8 ☒ cm ☐ in

Using non-metal measuring tape

Curved length (NOTCH-TIP) ☐ cm ☐ in

Minimum length (NOTCH-NOTCH) ☐ cm ☐ in

Curved width (Widest Point) ☐ cm ☐ in

Circle unit

Weight ☒ actual / ☐ est. 5.9 ☐ kg ☒ lb

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

Turtle was impinged on cooling intake. Animal was active during transport to MMSC, but had numerous small barnacles present on its flippers, head, carapace and plastron. Only minor bruising present on plastron and ventral surfaces of flippers.