Exelon Nuclear

Oyster Creek Generating Station
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October 13, 2009

RA-09-068

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 2009-6, 2009-7, 2009-8, and 2009-9

This report provides detailed information regarding the recent incidental takes of four sea turtles at Oyster Creek Nuclear Generating Station (OCNGS). The turtles were promptly turned over to the custody of the Marine Mammal Stranding Center (MMSC) in Brigantine, New Jersey for examination. The MMSC submitted Sea Turtle Stranding and Salvage Network Stranding Reports to the National Marine Fisheries Service for all four animals. Incidental Take Reports are provided for the four incidental takes. In addition a report from the MMSC (Sea Turtle Stranding and Salvage Network Stranding Report MMSC 09-114) for a previously reported incidental take (2009-4) on August 5 is enclosed.

The first two incidental takes were a live juvenile Kemp's ridley sea turtle on September 10 and a live juvenile Atlantic Green sea turtle on September 11, from intake bays of the dilution water system. The Kemp's ridley turtle had external evidence of a previous boat propeller injury when recovered and was transferred from MMSC to Riverhead Foundation for long term rehabilitation. The Green sea turtle had no evidence of external injuries.

The second two incidental takes were juvenile Kemp's ridley sea turtles, both on September 25 from intake bays of the dilution water system. The first was obviously dead and partially decomposed when recovered from dilution intake bay #6, and the second was unresponsive when recovered from intake bay #5 and was later pronounced dead by MMSC personnel.

With the incidental take of the Green sea turtle, OCNGS has reached 50% of the allowed incidental take limit of one (1) for Green turtles as specified in the 2006 Biological Opinion. With the incidental takes of September 25, OCNGS has exceeded the limits of three (3) dead sea turtles and total of eight (8) sea turtles of all species specified in the 2006 Biological Opinion.

IE23

NRR

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:

1. Sea Turtle Incidental Take Report 2009-6 with photograph
2. MMSC 09-130 Sea Turtle Stranding and Salvage Network Stranding Report
3. Sea Turtle Incidental Take Report 2009-7 with photograph
4. MMSC 09-131 Sea Turtle Stranding and Salvage Network Stranding Report
5. Sea Turtle Incidental Take Report 2009-8 with photograph
6. MMSC 09-138 Sea Turtle Stranding and Salvage Network Stranding Report
7. Sea Turtle Incidental Take Report 2009-9 with photograph
8. MMSC 09-139 Sea Turtle Stranding and Salvage Network Stranding Report
9. MMSC 09-117 Sea Turtle Stranding and Salvage Network Stranding Report

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

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Regulatory Assurance File No. 09024

OYSTER CREEK NUCLEAR GENERATING STATION

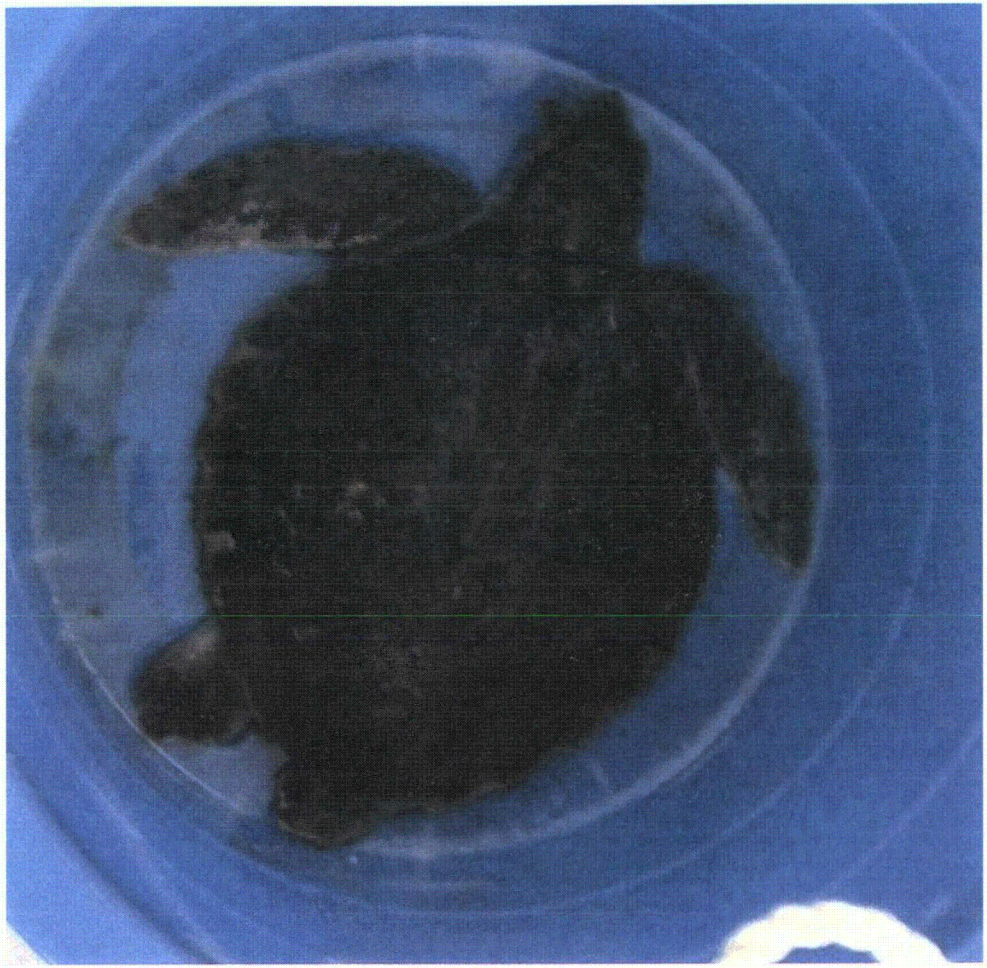
Sea Turtle Incidental Take Report 2009-6

At approximately 1030 hours on Thursday, September 10, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 67.4 degrees F (19.7 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was active and responsive when retrieved from the intake bay. The turtle's carapace had a crack over 10 cm in length extending laterally just behind the neck that appeared to be a pre-existing boat propeller wound. 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 dilution water trash racks had been inspected less than one hour earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 24.7 cm carapace length straight line and weighed only 4.8 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 later the same afternoon. The turtle was examined at MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-130 (enclosed). Due to the nature of its wounds associated with a deep boat propeller wound, it was determined that rehabilitation would be required at a facility specially equipped to provide long-term care and treatment. Therefore, MMSC personnel arranged for the transfer of the turtle to the Riverhead Foundation in Riverhead, Long Island for further rehabilitative care and treatment.



Incidental Take 2009-6; September 10, 2009

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 09 Month 09 Day 10
Turtle number by day 01
Field ID # MMSC-09-130
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
NPGS
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

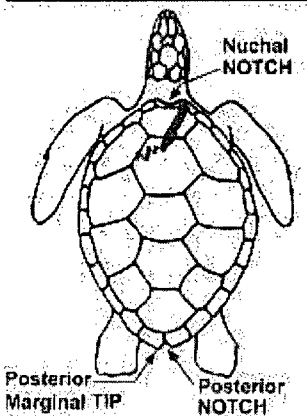
FINAL DISPOSITION: (check)
☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
☐ 2 = Buried: ☐ on beach / ☐ off beach;
carcass painted before buried? ☐ Yes* ☐ No
☐ 3 = Salvaged: ☐ all / ☐ part(s), what/why? ___
☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
☐ 6 = Alive, released
☒ 7 = Alive,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

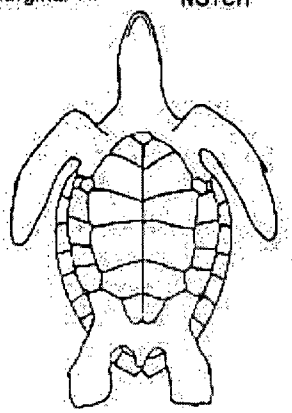
SEX:
☒ Undetermined
☐ Female ☐ Male
Does tail extend beyond carapace?
☐ Yes, how far? cm / in
☐ No
How was sex determined?
☐ Necropsy
☐ Tail length (adult only)

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)
Unable to check for
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)	24.7	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	23	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH-TIP)	25.8	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	27	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	4.8	☐ 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.**

The turtle was impinged on the power plant's water intake grate. It was very lethargic upon arrival at MMSC. There is a prop cut across the anterior portion of the carapace that measures 10.4 cm overall. The turtle was transferred to Riverhead Foundation for long term rehabilitation on 9/16/09.

OYSTER CREEK NUCLEAR GENERATING STATION

Sea Turtle Incidental Take Report 2009-7

At approximately 1050 hours on Friday, September 11, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 4 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 65.6 degrees F (18.7 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy with intermittent rain.

The turtle was alive and active after retrieval from the trash grates so resuscitation techniques were not performed by OCNGS personnel. The turtle's carapace was intact with no puncture wounds or signs of major injury but did have two minor shallow scrapes parallel to the midline of the ventral surface 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 less than twelve hours earlier without the turtle being observed. The previous dilution trash rack cleaning occurred late the prior morning and the turtle was likewise not observed during that cleaning.

The turtle measured only 26.5 cm straight carapace length and weighed 5.4 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The Marine Mammal Stranding Center (MMSC) was promptly notified of the incidental take and took custody of the turtle within approximately 1.5 hours of the incidental take. MMSC personnel confirmed it to be a juvenile Atlantic Green sea turtle (Chelonia mydas). At the MMSC, the turtle was examined, fed and observed and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report #MMSC-09-131 (enclosed). MMSC personnel noted that the turtle "...began eating, swimming and diving normally upon arrival at MMSC", and that it was "Bright, alert, responsive and active." Because of its very good physical condition, MMSC personnel tagged the turtle and released it offshore of Brigantine Island, NJ on September 18, 2009.

Incidental Take 2009-7; September 11, 2009

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 09 Month 09 Day 11
Turtle number by day 01
Field ID # MMSC-09-131
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 NPGS
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
- ☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
- ☐ 9 = Disposition unknown, explain ___

**If painted, what color?* ___

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

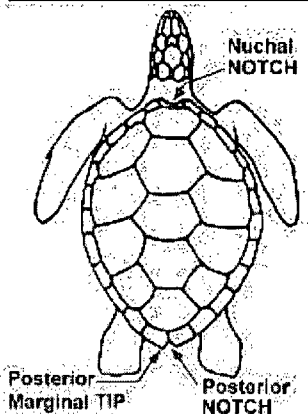
Does tail extend beyond carapace?
- ☐ Yes, how far? ___ cm / in
- ☐ No

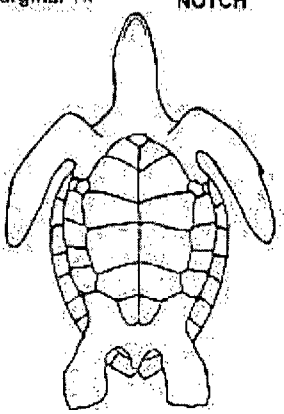
How was sex determined?
- ☐ Necropsy
- ☐ Tail length (adult only)

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)
Unable to check for
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)	26.5	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	20.8	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH-TIP)	27.5	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	23	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	5.4	☐ 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.**

This turle was impinged on the intake pipe at Oyster Creek Nuclear PGS. It was alive, bright, alert, responsive and active. There were no injuries, abnormalities, or epibiota on this animal. The turtle began eating, swimming and diving normally upon arrival at MMSC. Released 9/18/2009 in Brigantine, NJ.
Tags: RFF metal # SSL129 and LFF PIT # 472405150A

472405150A

OYSTER CREEK NUCLEAR GENERATING STATION

Sea Turtle Incidental Take Report 2009-8

At approximately 1420 hours on Friday, September 25, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 73 degrees F (22.8 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was not active when retrieved from the intake bay and was obviously dead. 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 dilution water trash racks had been inspected about three hours earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 21.4 cm carapace length straight line and weighed 3.5 pounds. 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 1530 hours on September 25, 2009. A necropsy was performed at the MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-138 (enclosed). MMSC personnel determined in the course of the necropsy that the animal was male and had no visible anomalies. Based on the post-mortem accumulation of gas that was present at the time of the incidental take, MMSC estimated that the turtle may have been dead for 1 to 2 days prior to the incidental take. According to the MMSC necropsy, no obvious cause of death could be determined. MMSC personnel buried the turtle on the beach of Brigantine Island, New Jersey following the necropsy.

OYSTER CREEK NUCLEAR GENERATING STATION

Sea Turtle Incidental Take Report 2009-9

At approximately 1440 hours on Friday, September 25, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 73 degrees F (22.8 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was not active when retrieved from the intake bay but appeared to be alive. Resuscitation was attempted but no results were achieved other than a small amount of water was drained from the turtle. 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 dilution water trash racks had been inspected about three hours earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 27 cm carapace length straight line and weighed 6.1 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 1530 hours on September 25, 2009. A necropsy was performed at the MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-139 (enclosed). MMSC personnel determined in the course of the necropsy that the animal was female and that drowning was the likely cause of death. MMSC personnel buried the turtle on the beach of Brigantine Island, New Jersey following the necropsy.

Incidental Takes 2009-9 (6.1 lbs) and 2009-8 (3.5 lbs); September 25, 2009

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 09 Month 09 Day 25
Turtle number by day 01
Field ID # MMSC-09-138
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

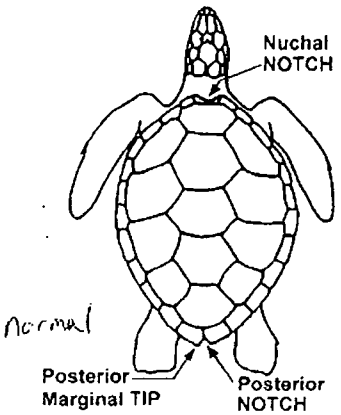
Check Unidentified if not positive. Do Not Guess.

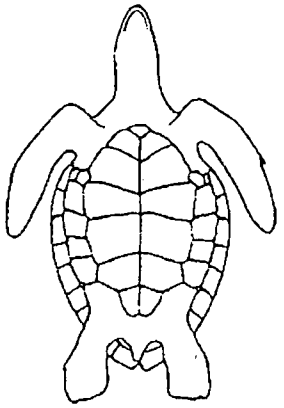
Carcass necropsied? ☒ Yes ☐ No
Photos taken? ☒ Yes ☐ No
Species verified by coordinator?
☒ Yes ☐ No

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

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? muscle for 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?*

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers	**Circle unit**
Straight length (NOTCH-TIP)	21.4 ☒ cm ☐ in
Minimum length (NOTCH-NOTCH)	☐ cm ☐ in
Straight width (Widest Point)	22.2 ☒ cm ☐ in
Using non-metal measuring tape	**Circle unit**
Curved length (NOTCH–TIP)	19.8 ☒ cm ☐ in
Minimum length (NOTCH-NOTCH)	☐ cm ☐ in
Curved width (Widest Point)	22.4 ☒ cm ☐ in
	Circle unit
Weight ☒ actual / ☐ est.	3.5 ☐ 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.**

The turtle was impinged on a water intake grate. The GI tract contained crab parts. There was no obvious COD. Necropsy was performed by MMSC Staff. Photos on file at MMSC. Buried on the beach.

OYSTER CREEK NUCLEAR GENERATING STATION

Sea Turtle Incidental Take Report 2009-9

At approximately 1440 hours on Friday, September 25, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 73 degrees F (22.8 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was not active when retrieved from the intake bay but appeared to be alive. Resuscitation was attempted but no results were achieved other than a small amount of water was drained from the turtle. 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 dilution water trash racks had been inspected about three hours earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 27 cm carapace length straight line and weighed 6.1 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 1530 hours on September 25, 2009. A necropsy was performed at the MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-139 (enclosed). MMSC personnel determined in the course of the necropsy that the animal was female and that drowning was the likely cause of death. MMSC personnel buried the turtle on the beach of Brigantine Island, New Jersey following the necropsy.

Incidental Takes 2009-9 (6.1 lbs) and 2009-8 (3.5 lbs); September 25, 2009

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 09 Month 09 Day 25
Turtle number by day 02
Field ID # MMSC-09-139
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

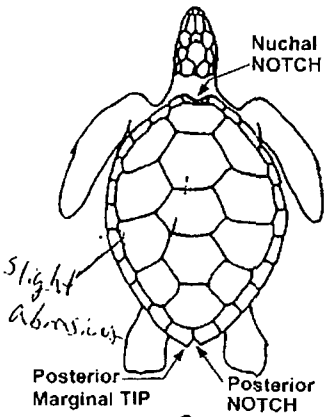
Check Unidentified if not positive. Do Not Guess.

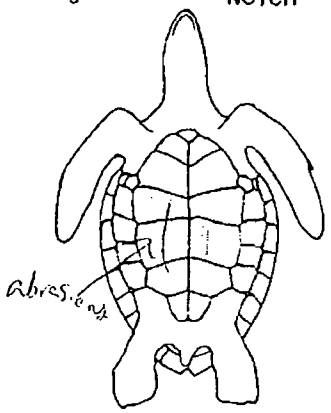
Carcass necropsied? ☒ Yes ☐ No
Photos taken? ☒ Yes ☐ No
Species verified by coordinator?
☒ Yes ☐ No

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

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? _____
  Muscle for 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?* _____

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers	**Circle unit**
Straight length (NOTCH-TIP)	27 ☒ cm ☐ in
Minimum length (NOTCH-NOTCH)	____ ☐ cm ☐ in
Straight width (Widest Point)	24.5 ☒ cm ☐ in
Using non-metal measuring tape	**Circle unit**
Curved length (NOTCH–TIP)	28.8 ☐ cm ☐ in
Minimum length (NOTCH-NOTCH)	____ ☐ cm ☐ in
Curved width (Widest Point)	28 ☐ cm ☐ in
	Circle unit
Weight ☒ actual / ☐ est.	6.1 ☐ 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.**

The turtle was impinged on a water intake grate. It was reported alive to MMSC, but when MMSC arrived on scene the turtle had died. It was necropsied by MMSC staff. There was a small amount of fluid in the lungs, and they felt compressed. The digestive tract was full of crab hard parts. The bladder had a small amount of urine. Drowning is likely COD.

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 09 Month 08 Day 05
Turtle number by day 01
Field ID # MMSC-09-114
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

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STRANDING LOCATION: ☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)
State New Jersey County Ocean
Descriptive location (be specific) Oyster Creek Power Plant, Forked River
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
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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
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****If painted, what color?*** ___

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? cm / in
- ☐ No

How was sex determined?
- ☐ Necropsy
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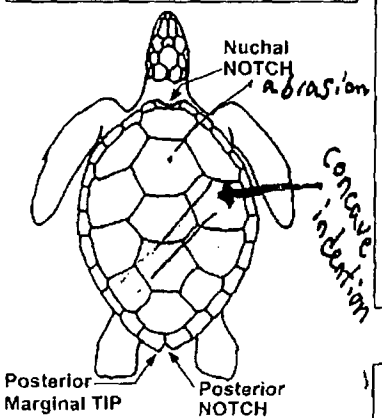
CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers	**Circle unit**
Straight length (NOTCH-TIP)	23 ☒cm ☐in
Minimum length (NOTCH-NOTCH)	___ ☐cm ☐in
Straight width (Widest Point)	21.1 ☒cm ☐in
Using non-metal measuring tape	**Circle unit**
Curved length (NOTCH–TIP)	24.2 ☒cm ☐in
Minimum length (NOTCH-NOTCH)	___ ☐cm ☐in
Curved width (Widest Point)	22.8 ☒cm ☐in
	Circle unit
Weight ☒ actual / ☐ est.	3.9 ☐kg ☒lb



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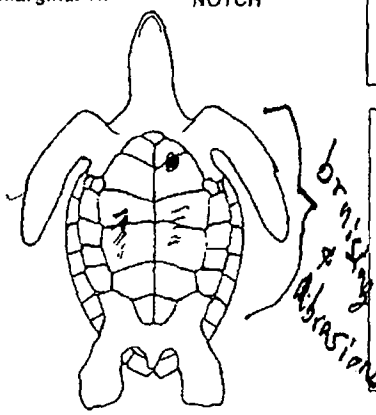

The turtle was picked up from Oyster Creek Power Plant after being impinged on water grate. It was lethargic during transport. The carapace was indented and appeared to be a birth defect or old injury. There were a few small abrasions on plastron. Animal was held for observation until 8/11/09. It was eating and diving regularly. The turtle was released in Brigantine, NJ weighing 4.1lbs. LFF was metal tagged #SSL124 and RFF was pit tagged # 4360797175.

4360797175