

AmerGen Energy Company
Oyster Creek
US Route 9 South, P.O. Box 388
Forked River, NJ 08731-0388

www.exeloncorp.com

50 CFR 402.14(i)(3)

August 22, 2008

RA-08-075

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

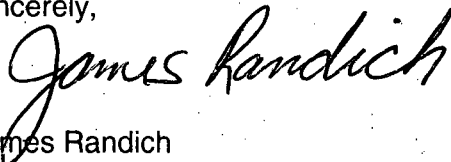
Oyster Creek Nuclear Generating Station
Facility Operating License No. DPR-16
NRC Docket No. 50-219

Subject: Sea Turtle Incidental Take Reports 2008-3, 2008-4, and 2008-5

The attached reports provide detailed information regarding the recent incidental takes of three live and active juvenile Kemp's ridley sea turtles at Oyster Creek Nuclear Generating Station (OCNGS). Two of the turtles were captured within twenty minutes of each other in the early morning of July 27, 2008. The third turtle was captured on July 31, 2008. This letter also serves as notification that OCNGS has reached 50% of the annual incidental take limit of eight for Kemp's ridley as established in the National Marine Fisheries Service 2005 Biological Opinion. As indicated on the attached incident reports, the turtles were promptly turned over to the custody of the Marine Mammal Stranding Center (MMSC) for examination and tagging. All three animals were active with no major injuries and have been transferred from the MMSC to Virginia Aquarium and Marine Science Center for further rehabilitation prior to release.

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

Sincerely,



James Randich
Plant Manager, Oyster Creek Nuclear Generating Station

Enclosures:

1. Sea Turtle Incidental Take Report 2008-3 with photograph
2. MMSC-103 Sea Turtle Stranding and Salvage Network Stranding Report
3. Sea Turtle Incidental Take Report 2008-4 with photograph
4. MMSC-104 Sea Turtle Stranding and Salvage Network Stranding Report
5. Sea Turtle Incidental Take Report 2008-5 with photograph
6. MMSC-105 Sea Turtle Stranding and Salvage Network Stranding Report

IE23
NR2

Page 2 of 2

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

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

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

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

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

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

Regulatory Assurance File No. 07024

OYSTER CREEK NUCLEAR GENERATING STATION
Sea Turtle Incidental Take Report 2008-3
(Field #: MMSC-08-103)

At approximately 0101 hours on Sunday, July 27, 2008, an Oyster Creek Nuclear Generating Station (OCNGS) Field Supervisor on a routine tour noticed a live sea turtle in Bay #1 of the circulating water intake. An operator was dispatched and recovered the turtle in accordance with station safe turtle handling procedure at 0109 hours. The water temperature at the time of the incidental take was approximately 81.6 degrees F (27.6 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 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 three hours prior to the take at 2205 hours the previous evening. The trash racks had last been cleaned approximately 24 hours prior to the take.

The turtle measured only 20.7cm carapace length straight line and weighed 3.2 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 0320 hours on July 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. A 3 cm laceration that was healing was observed on the left rear flipper and minor bruising on plastron and ventral surfaces of its flippers were observed. The animal began eating immediately upon arrival at MMSC. At the time of this report, the turtle is being held at the Virginia Aquarium and Marine Science Center until arrangements for its release are finalized.

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 08 Month 07 Day 27
 Turtle number by day 01
 Field ID # MMSC-08-103
 Coordinator must be notified within 24 hrs; this was done by phone (609)266-0538
 email fax

SPECIES: (check one)

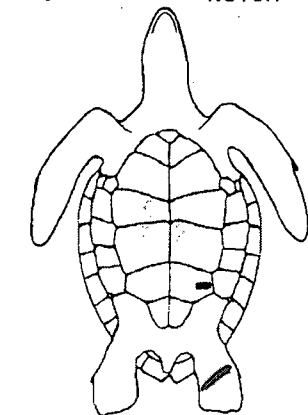
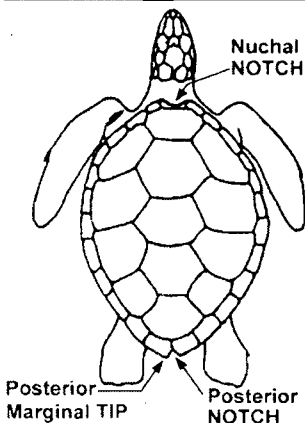
- CC = Loggerhead
 CM = Green
 DC = Leatherback
 EI = Hawksbill
 LK = Kemp's Ridley
 LO = Olive Ridley
 UN = Unidentified

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 & Transferred to Virginia Aquarium
 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)	<u>20.7</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	_____	<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	<u>19.4</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Using non-metal measuring tape		Circle unit
Curved length (NOTCH-TIP)	<u>21.2</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	_____	<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	<u>22</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
		Circle unit
Weight	<input checked="" type="checkbox"/> actual / <input type="checkbox"/> est.	<u>3.2</u> <input type="checkbox"/> kg <input checked="" type="checkbox"/> 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.**

Very active. 3cm laceration (healing) on ventral surface of LRF. 1cm cut on dorsal surface of LFF near shoulder. Several 0.5cm chips on posterior edge of carapace. Minor bruising on the plastron. 1cm cut on left posterior of plastron near LRF. No tags
 08/04/08: Transferred to VAMSC for further treatment with 08-104 and 08-105.
 Tagged LFF: Metal Tag SSL122
 PIT Tagged RFF #: 431343424B



OYSTER CREEK NUCLEAR GENERATING STATION
Sea Turtle Incidental Take Report 2008-4
(Field #: MMSC-08-104)

At approximately 0119 hours on Sunday, July 27, 2008, an Oyster Creek Nuclear Generating Station (OCNGS) Operator noticed a live sea turtle in Bay #1 of the circulating water intake while performing trash raking operations. Raking was immediately stopped and the turtle was recovered in accordance with the station's safe turtle handling procedure at 0119 hours. The water temperature at the time of the incidental take was approximately 81.6 degrees F (27.6 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 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 kempii). 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 three hours prior to the incidental take at 2205 hours the previous evening. The trash racks had last been cleaned approximately 24 hours prior to the take.

The turtle measured only 25.5 cm carapace length straight line 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 turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 0320 hours on July 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. At the time of this report, the turtle is being held at the Virginia Aquarium and Marine Science Center until arrangements for its release are finalized.

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 08 Month 07 Day 27
 Turtle number by day 02
 Field ID # MMSC-08-104
 Coordinator must be notified within 24 hrs; this was done by phone (609)266-0538
 email fax

SPECIES: (check one)

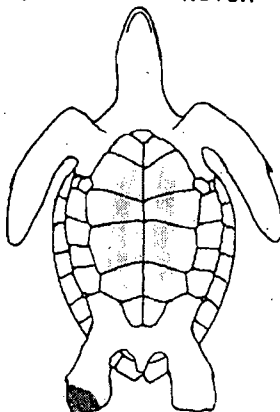
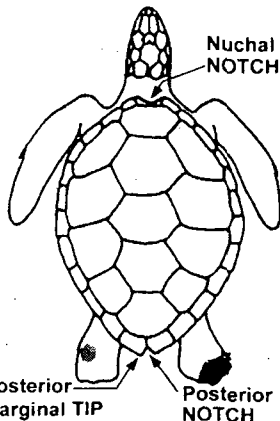
- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's Ridley
- LO = Olive Ridley
- UN = Unidentified

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 & transferred to Virginia Aquarium
- 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)	25.5	<input checked="" type="checkbox"/> cm	<input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm	<input type="checkbox"/> in
Straight width (Widest Point)	24.4	<input checked="" type="checkbox"/> cm	<input type="checkbox"/> in

Using non-metal measuring tape

Curved length (NOTCH-TIP)	26.4	<input checked="" type="checkbox"/> cm	<input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm	<input type="checkbox"/> in
Curved width (Widest Point)	28.5	<input checked="" type="checkbox"/> cm	<input type="checkbox"/> in

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.**

Very active. Minor 1cm laceration on dorsal surface of LRF. RRF missing a portion of the tip (old healed injury). Minor bruising and scrapes on plastron.
 08/04/08: Transferred to VAMSC for further treatment with 08-103 and 08-105.
 Tagged RFF: Metal Tag SSL123
 Pit Tagged LFF #: 4313375300



MAMMAL BIRD
STRANDING

OYSTER CREEK NUCLEAR GENERATING STATION
Sea Turtle Incidental Take Report 2008-5
(Field #: MMSC-08-105)

At approximately 1652 hours on Thursday, July 31, 2008, an Oyster Creek Nuclear Generating Station (OCNGS) Operator noticed a live sea turtle in Bay #6 of the dilution water intake. The turtle was recovered in accordance with the station's safe turtle handling procedure. The water temperature at the time of the incidental take was approximately 80.8 degrees F (27.1 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy and grass conditions were light.

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 kempii). 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 and raked two hours prior to the incidental take.

The turtle measured only 22.5 cm carapace length straight line and weighed 3.4 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 1915 hours on July 31, 2008. At the MMSC, the turtle was examined, measured, fed, and tagged. MMSC personnel reported that the animal was lethargic with minor abrasions on its skin and barnacles on its carapace and under its right eye. Minor bruising was present on plastron and ventral surfaces of its flippers. The turtle was transferred on August 4, 2008, along with two other turtles from OCNGS (2008-3 and 2008-4) to the Virginia Aquarium and Marine Science Center until rehabilitation is complete and arrangements for its release are finalized.

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 07 Day 31
 Turtle number by day 01
 Field ID # MMSC-08-105
 Coordinator must be notified within 24 hrs; this was done by phone (609)266-0538
 email fax

SPECIES: (check one)

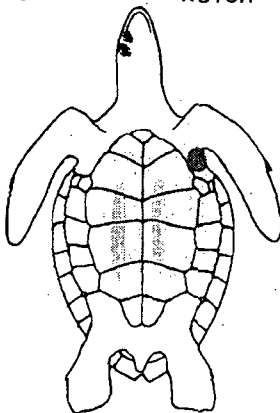
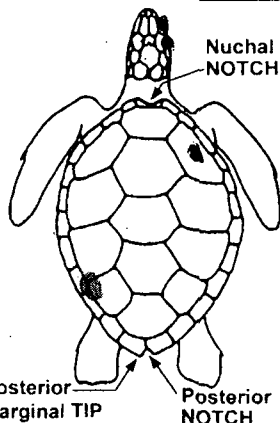
- CC = Loggerhead
 CM = Green
 DC = Leatherback
 EI = Hawksbill
 LK = Kemp's Ridley
 LO = Olive Ridley
 UN = Unidentified

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 & Transferred to Virginia Aquarium
 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)	<u>22.5</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	_____	<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	<u>20.8</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in

Using non-metal measuring tape

Curved length (NOTCH-TIP)	<u>23.2</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	_____	<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	<u>23.6</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> 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. Lethargic; minor abrasions on skin, large barnacle embedded under LFF, 2 barnacles under right eye, a few barnacles on carapace, minor bruising on plastron

08/04/08: Transferred to VAMSC for further treatment with 08-103 and 08-104.

39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

