

Oyster Creek Generating Station
Route 9 South
PO Box 388
Forked River, NJ 08731

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50 CFR 402.14(i)(3)

December 30, 2010

RA-10-099

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

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

Subject: ANNUAL SEA TURTLE INCIDENTAL TAKE REPORT – 2010

Dear Mr. Scida:

Enclosed is a copy of the 2010 Annual Sea Turtle Incidental Take Report for the Oyster Creek Nuclear Generating Station. The report is submitted in accordance with Terms and Conditions No. 8 of the Incidental Take Statement of the 2006 Endangered Species Act Section 7 Consultation Biological Opinion.

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

Sincerely,



Michael J. Massaro
Vice President
Oyster Creek Nuclear Generating Station

Enclosure

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

JE25
NRC

Enclosure to RA-10-099

Annual Report of Sea Turtle Incidental Takes - 2010

Oyster Creek Nuclear Generating Station

Renewed Facility Operating License No. DPR-16

Docket No. 50-219

Prepared by:

**Malcolm Browne, Senior Environmental Scientist
Calvin Taylor, Principal Licensing Engineer**

Exelon Corporation

December 2010

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 Nuclear Generating Station (OCNGS) during the past year. The report is required by Terms and Conditions (T&C) # 8 of the Incidental Take Statement (ITS) of the OCNGS Endangered Species Act Section 7 Consultation Biological Opinion. This report covers all incidental takes and sightings of sea turtles that occurred during 2010.

Incidental Take Reports documenting the circumstances of incidental takes of sea turtles were completed following nine OCNGS juvenile sea turtle incidental takes during 2010 and were provided to the NMFS and USNRC within 30 days of each incidental take. Sea Turtle Incidental Take Reports 2010-1 through 2010-9 are summarized in Attachment 1. Photographs of the nine turtles have already been supplied with the individual reports and therefore are not included in this report.

<u>Take</u>	<u>Date / Time (condition and species)</u>
2010-1	Monday, June 14, 2010/ 1715 (Live juvenile loggerhead)
2010-2	Thursday, June 24, 2010 / 2155 (Live juvenile Kemp's ridley)
2010-3	Saturday, June 26, 2010 / 0820 (Live juvenile Kemp's ridley)
2010-4	Saturday, July 3, 2010/ 0036 (Live juvenile Kemp's ridley)
2010-5	Friday, July 9, 2010/ 0025 (D juvenile Kemp's ridley)
2010-6	Tuesday, October 5, 2010/ 0130 (Live juvenile green)
2010-7	Tuesday, October 5, 2010/0135 (Live juvenile Kemp's ridley)
2010-8	Monday, October 11, 2010/0030 (Live juvenile green)
2010-9	Saturday, October 30, 2010/0403 (Live juvenile green)

Comparison of Annual Sea Turtle Incidental Takes With Prior Years

Regarding trends in the number of incidental sea turtle takes at the OCNGS, a total of nine sea turtle incidental takes occurred during 2010. All but one of the sea turtles incidentally taken at OCNGS during 2010 were alive and in good condition when incidentally taken and were subsequently released after they were confirmed to be feeding well and moving about normally. The only sea turtle that was not alive when incidentally taken at the OCNGS was not decomposed when it was taken but the necropsy conducted on it was unable to determine a definite cause of death. Its death may or may not have been related to operation of OCNGS.

The nine OCNGS incidental takes during 2010 is greater than the long-term average of approximately three incidental takes per year recorded over the last nineteen years; however, the annual abundance of sea turtles in this vicinity appears to be highly variable, unpredictable, and unrelated to the operation of OCNGS. There are several factors that may influence the number of sea turtle incidental takes that occur at the OCNGS. 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 1990s. 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 OCNGS, and may partially explain the occurrence of the turtles.

Physical factors, such as an oceanic front or an oceanic eddy 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. 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, including crabs such as blue crabs, horseshoe crabs, and calico crabs, as well as sponges and various types of algae. The higher than average number of incidental takes in 2010 may have been an anomaly based on favorable physical conditions or prey abundance. However, an analysis of the number of incidental takes at OCNGS indicates that there has been a gradual increase in the average annual number of incidental takes in recent years in comparison to the previous decade. For example, a total of twenty sea turtle incidental takes occurred at OCNGS between 1992 and 2001 (an average of two takes per year) but 48 incidental takes occurred between 2002 and 2010 (an average of over five takes per year). This recent trend of increasing OCNGS incidental takes parallels a similar trend of generally increasing sea turtle strandings reported during that period by the STSSN network along the Atlantic coast. The conduct of operations at the OCNGS intakes have not been changed in any manner that would explain the recent increase in takes. However, the increase may reflect the longterm success of turtle legislative and conservation measures such as TED implementation, nest and egg protection at sea turtle nesting sites, and turtle headstarting programs.

The massive oil plume released into the Gulf of Mexico during 2010 following the fire on the BP offshore drilling rig may also have a future effect on the number of sea turtles incidentally taken at OCNGS. Although the BP oil plume was probably not an important factor in 2010 based on little or no oil escaping the Gulf this year, it remains to be seen whether it may ultimately slow the general trend of increasing numbers of Atlantic coast sea turtle sightings and incidental takes.

Many years of environmental sampling conducted near OCNGS 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 OCNGS from a minimum of zero to a maximum of eleven per year is not considered particularly significant. The ultimate goal of the considerable effort being put forward at OCNGS 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 OCNGS 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 OCNGS since 1992 (with some in distress prior to being taken) have subsequently

been rehabilitated and released alive and well, to the Atlantic Ocean in locations free from potential cold-shock owing to the efforts of OCNGS and MMSC personnel.

The nine incidental takes of sea turtles during 2010 at the OCNGS did exceed the ITS limit, which is currently a maximum of eight total turtles of per year. In addition, the incidental take of three Green turtles exceeded the ITS limit of one. There was only one lethal incidental take of a Kemp's ridley sea turtle at the OCNGS during 2010. The necropsy for that turtle was inconclusive as to whether the death was related to the operation of OCNGS.

OCNGS expects ongoing support from the Marine Mammal Stranding Center in Brigantine, New Jersey for both transfers of live sea turtles for rehabilitation and as the primary facility for necropsies. OCNGS has noted the exceptional efforts by the MMSC staff in the care and rehabilitation of sea turtles transferred to the Brigantine facility.

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.

Enclosure to RA-10-099

ATTACHMENT 1

2010 Incidental Take Reports

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	Incidental Take 2010-1	Incidental Take 2010-2	Incidental Take 2010-3
OPERATIONS DEPARTMENT:			
Observer's full name:	J. Liquori	D. Dye	T. Hutain
Reporter's full name:	A. Zuchowski	N. Fox	J. Sharkey
Species Identification (Key attached):	Loggerhead	Kemp's ridley	Kemp's ridley
Site of Impingement (CWS or DWS):	DWS	DWS	CWS
Bay Number:	5	6	5
Date animal observed:	14-Jun-10	24-Jun-10	26-Jun-10
Time animal observed:	17:15	21:55	8:20
Date animal collected:	14-Jun-10	24-Jun-10	26-Jun-10
Time animal collected:	17:25	21:55	8:20
CONDITIONS AT COLLECTION:			
Tidal Stage:	Ebb Tide	Flood Tide	High Tide
Cloud conditions:	Overcast	Clear	Clear
Precipitation:	None	None	None
Intake water temperature:	77.2°F	80.4°F	78.0°F
Other conditions	None recorded	None recorded	None recorded
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	14-Jun-10	24-Jun-10	26-Jun-10
Time of last screen inspection:	5:00 PM	8:20 PM	4:25 AM
Date of last trash raking:	13-Jun-10	23-Jun-10	25-Jun-10
Time of last trash raking:	9:16	2:29	1:16

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-1</u>	<u>Incidental Take 2010-2</u>	<u>Incidental Take 2010-3</u>
ENVIRONMENTAL DEPARTMENT:			
Date Brigatine MMSC contacted:	14-Jun-10	24-Jun-10	26-Jun-10
Time Brigatine MMSC contacted:	17:35	22:05	8:25
Date Animal picked up by MMSC:	14-Jun-10	24-Jun-10	26-Jun-10
Time Animal picked up by MMSC:	19:15	23:30	11:00
State of animal when first observed:	Alive	Alive	Alive
State of animal when collected:	Alive	Alive and kicking	Good health with a scar on the shell, which appeared to be a boat prop strike or scrape
State of animal when picked up:	Several old and healing scrapes on the <i>posterior of the carapace</i> and plastron. Small amount of algal growth on the carapace.	Several small abrasions on plastron and carapace, small amount of scarring on flippers	Minor gauges on ridge of carapace that are old and healing
State of animal arriving at MMSC:	The turtle was active, swimming and diving normally, eating well, and passing waste.	The turtle was active, swimming and diving normally, eating well, and passing waste	The turtle was very active, swimming and diving normally.

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-1</u>	<u>Incidental Take 2010-2</u>	<u>Incidental Take 2010-3</u>
Final disposition of animal:	Tagged and released alive at the north end of Brigantine. Tagged RFF metal tag # SSL130 PIT tagged LFF # 4A4F39114A	Released on north end of Brigantine on 6/28/2010, Tagged LFF metal tag # SSL131 PIT tagged RFF # 4A4E665346	Tagged and released alive at the north end of Brigantine 6/28/10. Tagged RFF metal tag # SSL132 PIT tagged LFF # 497F611621
Carapace Length - Curved	not measured	26.5 cm	29 cm
Carapace Length - Straight	48.7 cm	25.5 cm	27.5 cm
Carapace Width - Curved:	not measured	26.5 cm	30 cm
Carapace Width - Straight:	42.1 cm	23.3 cm	26.6 cm
Weight - lbs (kgs)	44.6 lbs	4.9 lbs	8.2 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	Stranding Report MMSC-10-122	Stranding Report 10-125 MMSC	Stranding Report 10-128 MMSC
Description of Animal	Sub-adult Loggerhead of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	15-Jun-10, 09:10 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle on 6/14 to NMFS Endangered Species Coordinator	25-Jun-10, 11:30 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle on 6/24 to NMFS Endangered Species Coordinator	26-Jun-10, 12:15 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle to NMFS Endangered Species Coordinator

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
OPERATIONS DEPARTMENT:			
Observer's full name:	J. Liquori	G Sherrier	J. Labant
Reporter's full name:	A. Zuchowski	D Schaffer	J Williams
Species Identification (Key attached):	Kemp's ridley	Kemp's ridley	Green
Site of Impingement (CWS or DWS):	CWS	DWS	CWS
Bay Number:	5	6	4
Date animal observed:	3-Jul-10	9-Jul-10	5-Oct-10
Time animal observed:	0:36	0:25	1:30
Date animal collected:	3-Jul-10	9-Jul-10	5-Oct-10
Time animal collected:	0:40	0:25	1:30
CONDITIONS AT COLLECTION:			
Tidal Stage:	Flood Tide	Ebb Tide	Ebb Tide
Cloud conditions:	Clear	Clear	Overcast
Precipitation:	None	None	Rain
Intake water temperature:	78.6°F	87.9°F	62.3°F
Other conditions	Heavy debris loading, wind 4.8 mph at 247.9 degrees	Heavy debris loading	Light debris, steady rain for preceeding 48-hours, high intake water level two hours prior to low tide
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	78%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	2-Jul-10	8-Jul-10	5-Oct-10
Time of last screen inspection:	21:47:00 AM	17:10:00 AM	0:44:00
Date of last trash raking:	2-Jul-10	8-Jul-10	5-Oct-10
Time of last trash raking:	21:47:00 AM	1:41	0:44:00

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
ENVIRONMENTAL DEPARTMENT:			
Date Brigatine MMSC contacted:	3-Jul-10	9-Jul-10	5-Oct-10
Time Brigatine MMSC contacted:	1:15	1:40	2:35
Date Animal picked up by MMSC:	3-Jul-10	9-Jul-10	5-Oct-10
Time Animal picked up by MMSC:	2:15	3:30	6:00
State of animal when first observed:	Alive	Dead	Alive with no visible damage
State of animal when collected:	Good condition with normal behaviour, small scratches on carapace, no other visible signs of injury	Dead	Alive
State of animal when picked up:	Sea turtle healthy and exhibiting normal behavior; no injuries noted; few small scratches on carapace.	Turtle had scrapes on shell (minor) underside had small puncture wound in middle of chest. Unresponsive.	Alive
State of animal arriving at MMSC:	Several old scrapes and injuries on the plastron. A few minor scrapes on the carapace. Approx 1-inch wound under LFF near joint and approx 1/2-inch wound just above joint. Approx 1/2-inch wound under RFF. All wounds are old and partially healed. This turtle was active and eating well.	Dead	Alive

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
Final disposition of animal:	Tagged and released alive at the north end of Brigantine 7/9/10. Tagged RFF metal tag # SSL133 PIT tagged LFF # 4A2408150C	Transferred to MMSC at Brigantine, NJ; buried on beach with parts salvaged	Released 10/6/10 in Cape May Point State park
Carapace Length - Curved	32.5 cm	34.3 cm	32.3 cm
Carapace Length - Straight	31.8 cm	33 cm	30.6 cm
Carapace Width - Curved:	33 cm	31.8 cm	27.0 cm
Carapace Width - Straight:	28.9 cm	30.5 cm	24.8 cm
Weight - lbs (kgs)	10.2 lbs	13 lbs (est)	7.0 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	Stranding Report MMSC 10-131	yes	yes
Description of Animal	Juvenile Kemp's ridley of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex	Juvenile Green sea turtle of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	3-Jul-10, 9:52 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle to NMFS Endangered Species Coordinator	9-Jul-10, 15:15 Notified NMFS Endangered Species Coordinator	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01929

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-7</u>	<u>Incidental Take 2010-8</u>	<u>Incidental Take 2010-9</u>
OPERATIONS DEPARTMENT:			
Observer's full name:	J. Labant	P Barnes	LaBant
Reporter's full name:	J Williams	P Barnes	LaBant
Species Identification (Key attached):	Kemp's ridley	Green	Green
Site of Impingement (CWS or DWS):	CWS	CWS	CWS
Bay Number:	4	5	1
Date animal observed:	5-Oct-10	11-Oct-10	30-Oct-10
Time animal observed:	1:35	0:30	4:02
Date animal collected:	5-Oct-10	11-Oct-10	30-Oct-10
Time animal collected:	1:35	0:30	4:03
CONDITIONS AT COLLECTION:			
Tidal Stage:	Ebb Tide	Flood Tide	Flood Tide
Cloud conditions:	Overcast	Clear	Clear
Precipitation:	Rain	None	None
Intake water temperature:	62.3°F	65.1 F / 18.4 C	59.3 F / 15.2 C
Other conditions	Light debris, steady rain for preceeding 48-hours, high intake water level two hours prior to low tide	Light debris, increasing intake water level two hours prior to high tide	Low tide, clear skies
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	5-Oct-10	11-Oct-10	30-Oct-10
Time of last screen inspection:	0:44:00	0:15:00	0:05:00
Date of last trash raking:	5-Oct-10	10-Oct-10	29-Oct-10
Time of last trash raking:	0:44:00	0:05:00	15:29

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	Incidental Take 2010-7	Incidental Take 2010-8	Incidental Take 2010-9
ENVIRONMENTAL DEPARTMENT:			
Date Brigatine MMSC contacted:	5-Oct-10	11-Oct-10	30-Oct-10
Time Brigatine MMSC contacted:	2:35	1:30	4:54
Date Animal picked up by MMSC:	5-Oct-10	11-Oct-10	30-Oct-10
Time Animal picked up by MMSC:	6:00	6:45	7:22
State of animal when first observed:	Alive with no visible damage	Alive with no visible damage	Alive with only minor abrasions
State of animal when collected:	Alive	Alive	Alive
State of animal when picked up:	Alive	Alive	Alive
State of animal arriving at MMSC:	Alive	Alive	Alive

Attachment to RA-10-099, Oyster Creek Nuclear Generating Station Sea Turtle Report

	<u>Incidental Take 2010-7</u>	<u>Incidental Take 2010-8</u>	<u>Incidental Take 2010-9</u>
Final disposition of animal:	Released 10/6/10 in Cape May Point State park	Released 10/11/10 in Cape May Point State park	Transferred 11/2/10 to Virginia Aquarium and Marine Sscience Center for subsequent release
Carapace Length - Curved	35.6 cm	29.9 cm	32.4 cm
Carapace Length - Straight	33.6 cm	28.8 cm	30.7 cm
Carapace Width - Curved:	37.5 cm	25.2 cm	29.7 cm
Carapace Width - Straight:	32.2 cm	23.2 cm	26.3 cm
Weight - lbs (kgs)	11.2 lbs	6.4 lbs	8.2 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	yes	yes	yes
Description of Animal	Juvenile Kemp's ridley of undeterminate sex	Juvenile Green sea turtle of undeterminate sex	Juvenile Green sea turtle of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01931

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 10 Month 07 Day 09
 Turtle number by day 01
 Field ID # MMSC-10-135
 Coordinator must be notified within 24 hrs; this was done by ☒ phone (609) 266-0538
☐ email ☐ fax

SPECIES: (check one)

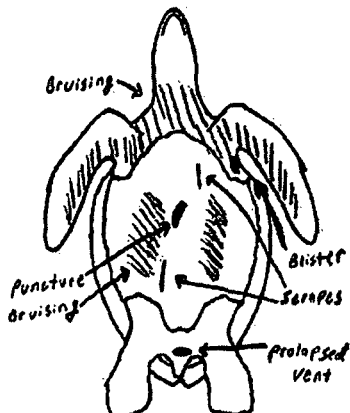
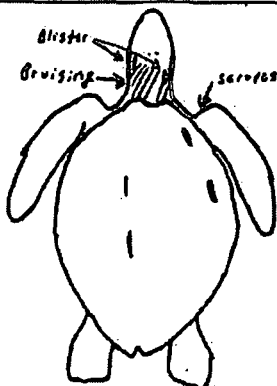
- ☐ CC = Loggerhead
☐ CM = Green
☐ DC = Leatherback
☐ EI = Hawksbill
☒ LK = Kemp's Ridley
☐ LO = Olive Ridley
☐ UN = Unidentified

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, histo, L&R Eye
☐ 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 callipers: Circle unit
 Straight length (NOTCH-TIP) 32.4 ☒ cm ☐ in
 Minimum length (NOTCH-NOTCH) _____ ☐ cm ☐ in
 Straight width (Widest Point) 30.1 ☒ cm ☐ in
 Using non-metal measuring tape: Circle unit
 Curved length (NOTCH-TIP) 34 ☒ cm ☐ in
 Minimum length (NOTCH-NOTCH) _____ ☐ cm ☐ in
 Curved width (Widest Point) 33 ☒ cm ☐ in
 Weight ☒ actual / ☐ est. 11.5 ☐ 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.

INCIDENTAL CAPTURE: POWER PLANT IMPINGEMENT: Turtle was reported to MMSC as alive but not responsive. Turtle was deceased when MMSC took custody. There were several scrapes on the carapace and plastron. The neck was swollen and there were blisters on the head, neck, both front flippers and near the eyes. There was severe bruising on the head, neck, LFF, RFF, and plastron. The vent was prolapsed and there was a puncture wound on the plastron. Necropsy performed by MMSC. Death due to unknown causes.

Taylor, Calvin C.:(GenCo-Nuc)

From: Browne, Malcolm:(GenCo-Nuc)
Sent: Monday, January 03, 2011 5:06 PM
To: Julie Crocker; Pat Scida
Cc: Taylor, Calvin C.:(GenCo-Nuc)
Subject: OCNGS Annual Sea Turtle Incidental take Report - 2010

Attachments: ANNUAL SEA TURTLE REPORT 2010.pdf

Julie/Pat:

Happy New Year. Oyster Creek recently sent hardcopies of our Annual Sea Turtle Incidental Take Report for 2010 to you via USPS but just discovered that our clerk inadvertently did not copy the entire document, so the report we provided you was incomplete. The document sent included a transmittal letter and an informational matrix providing details regarding each of the incidental takes that occurred at OCNGS during 2010, but lacked several pages of the report text. Therefore, I am attaching a pdf electronic copy of the entire report. Please replace the report you received previously with the attached file.

I apologize for any inconvenience this may have caused. I will give Julie a phone call later in the week to ensure that you received the entire report and to discuss it if you wish.

Respectfully yours,

Malcolm Browne
Senior Environmental Specialist
Exelon Generation
Oyster Creek Nuclear Generating Station
741 U.S. Route 9 South
Forked River, NJ 08731-0388

P: 609-971-4124
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