

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

www.exeloncorp.com

10 CFR 50.2

August 2, 2010

RA-10-062

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

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

Subject: Sea Turtle Incidental Take Reports 2010-4 and 2010-5

The attached reports provide detailed information regarding the recent incidental takes of one live and one dead juvenile Kemp's ridley sea turtles at Oyster Creek Nuclear Generating Station (OCNGS) on July 3 and July 9, 2010. OCNGS has reached 50% of the 2006 Biological Opinion Incidental Take Statement limit of eight sea turtles. Please note that the MMSC stranding report or the necropsy for the July 9th turtle are not available at this time but will be submitted for the annual summary of incidental takes.

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

Sincerely,



Peter M. Orphanos
Plant Manager
Oyster Creek Nuclear Generating Station

Enclosures:

Incidental Take Reports 2010-4 and 2010-5 with photographs and diagram
MMSC Stranding Report MMSC-10-132

IE23
MRL

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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Division of Fish, Game, and Wildlife
P.O. Box 400
Trenton, NJ 08625-0400

Regulatory Assurance File No. 10062

	Incidental Take 2010-4	Incidental Take 2010-5
OPERATIONS DEPARTMENT:		
Observer's full name:	Joe Liquori	George Sherrier
Reporter's full name:	Andrew Zuchowski	David Schaffer
Species Identification (Key attached):	Kemp's ridley	Kemp's ridley
Site of Impingement (CWS or DWS):	CWS	DWS
Bay Number:	5	6
Date animal observed:	3-Jul-10	9-Jul-10
Time animal observed:	0:36	0:25
Date animal collected:	3-Jul-10	9-Jul-10
Time animal collected:	0:40	0:25
CONDITIONS AT COLLECTION:		
Tidal Stage:	Flood Tide	Ebb Tide
Cloud conditions:	Clear	Clear
Precipitation:	None	None
Intake water temperature:	78.6°F	87.9°F
Other conditions	Heavy debris loading, wind 4.8 mph at 247.9 degrees	Heavy debris loading, wind 2.7 mph at 165 degrees
Number of CW pumps running:	4	4
Number of DW pumps running:	2	2
Reactor power level at observation:	100%	78%
Reactor power previous 48-hours:	100%	100%
Date of last screen inspection:	2-Jul-10	8-Jul-10
Time of last screen inspection:	21:47:00 AM	17:10:00 AM
ENVIRONMENTAL DEPARTMENT:		
Date Brigatine MMSC contacted:	3-Jul-10	9-Jul-10
Time Brigatine MMSC contacted:	1:15	1:40
Date Animal picked up by MMSC:	3-Jul-10	9-Jul-10
Time Animal picked up by MMSC:	2:15	3:30
State of animal when first observed:	Alive	Unresponsive

	Incidental Take 2010-4	Incidental Take 2010-5
State of animal when collected:	Good condition with normal behaviour, small scratches on carapace, no other visible signs of injury	Dead
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. Dead.
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
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 Brigantine, NJ
Carapace Length - Curved	32.5 cm	34.3 cm
Carapace Length - Straight	31.8 cm	33 cm
Carapace Width - Curved:	33 cm	31.8 cm
Carapace Width - Straight:	28.9 cm	30.5 cm
Weight - lbs (kgs)	10.2 lbs	13 lbs (est.)
Existing Tag Number	no tag	no tag
Photograph attached	yes	yes
Diagram of wounds, abnormalities, tag locations attached	Stranding Report MMSC-10-131	yes
Description of Animal	Juvenile Kemp's ridley of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex

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 10 Month 07 Day 03

Turtle number by day 01

Field ID # MMSC-10-131

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.

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

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) 31.8 ☒ cm ☐ in

Minimum length (NOTCH-NOTCH) ☐ cm ☐ in

Straight width (Widest Point) 28.9 ☒ cm ☐ in

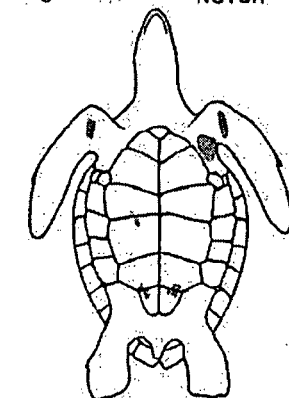
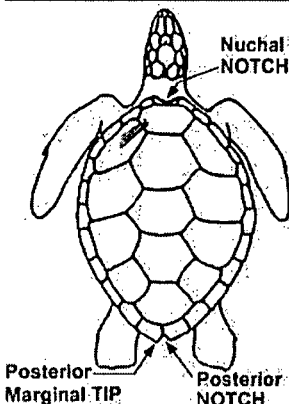
Using non-metal measuring tape:

Curved length (NOTCH-TIP) 32.5 ☒ cm ☐ in

Minimum length (NOTCH-NOTCH) ☐ cm ☐ in

Curved width (Widest Point) 33 ☒ cm ☐ in

Weight ☒ actual / ☐ est: 10.2 ☐ 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: Several old scrapes and injuries on the plastron; a few minor scrapes on the carapace; Approx. 1 inch wound under LFF near the joint and an approx. 1/2 inch wound just above the joint; an approx. 1/2 inch wound under the RFF; All wounds are old and partially healed; This turtle was active and eating well. There were no problems swimming or diving. Tagged and release on the north end of Brigantine on 7/09/2010. Tagged RFF Metal tag # SSL133; PIT tagged LFF # 4A2408150C.

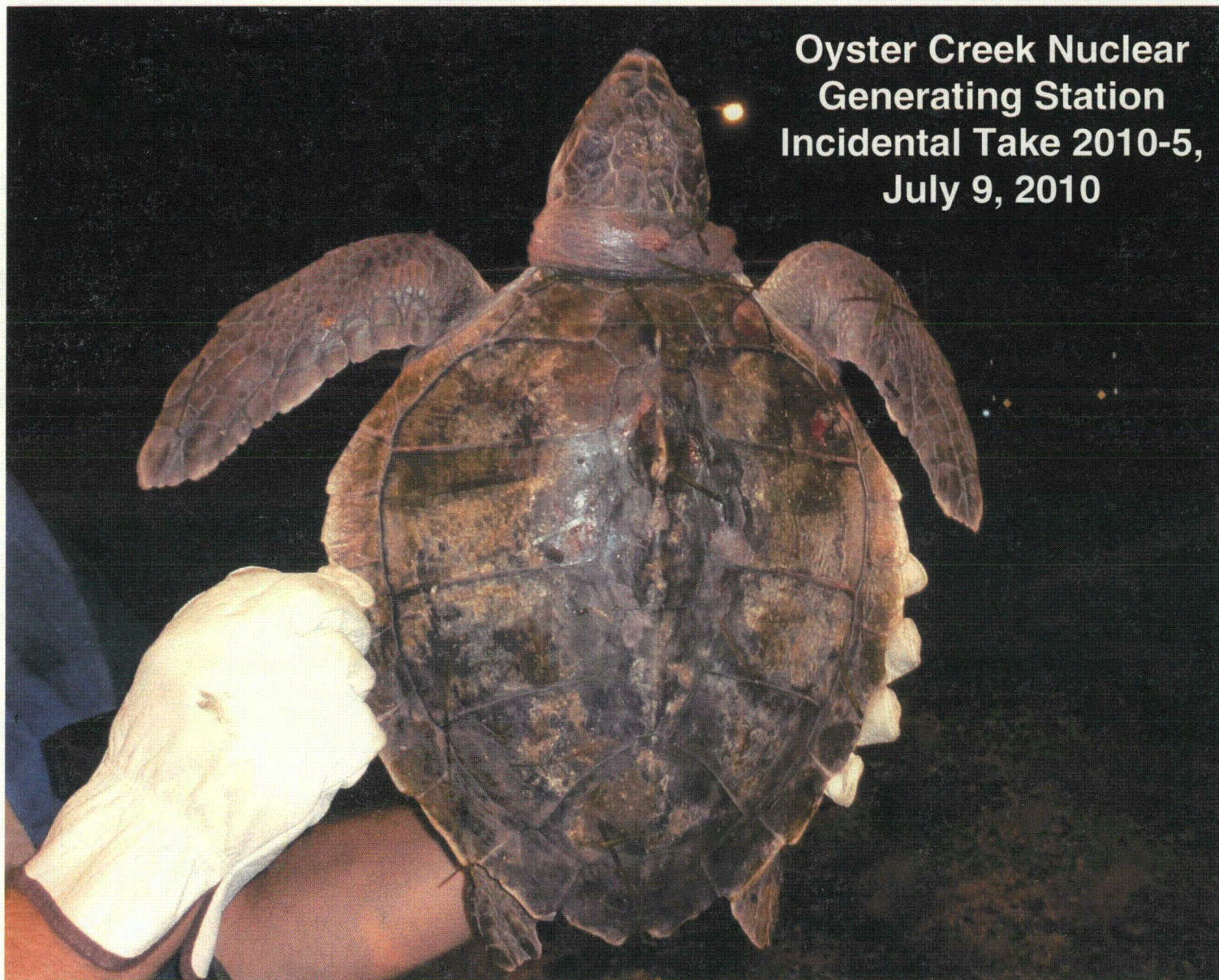


4A2408150C



MMSC-10-131
Kemp's Ridley
July 3, 2010

Oyster Creek Nuclear
Generating Station
Incidental Take 2010-5,
July 9, 2010



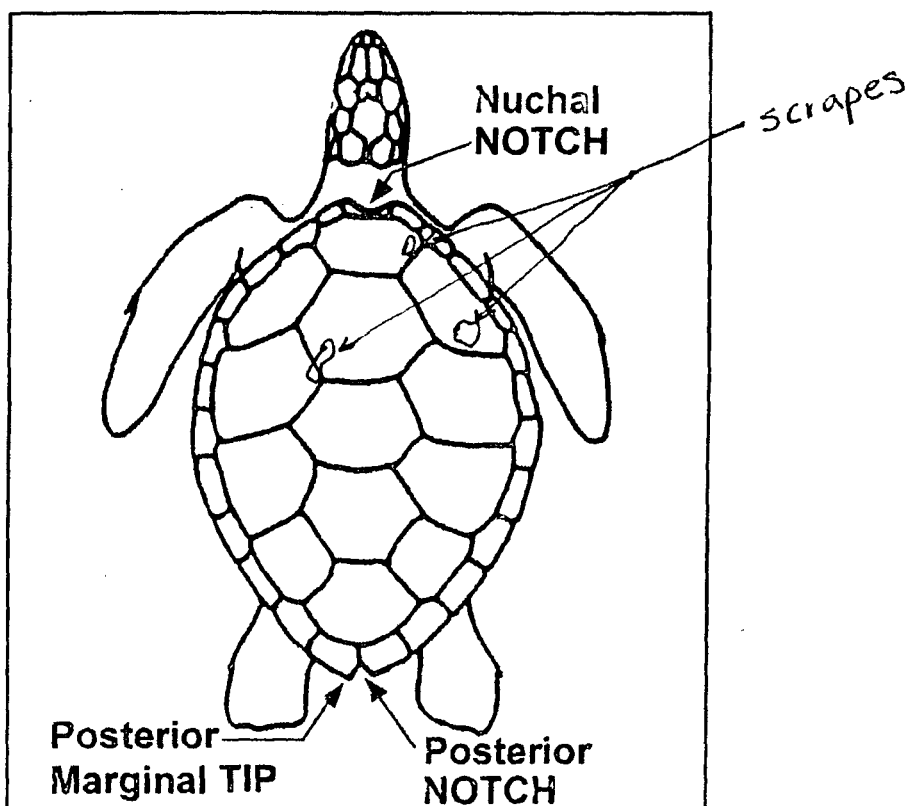
Exelon Nuclear	OYSTER CREEK GENERATING STATION PROCEDURE	Number 106.12
Title Sea Turtle Surveillance, Handling, and Reporting Instructions		Revision No. 12

ATTACHMENT 106.12-1
(continued)

Incident Report of Sea Turtle Take – OCNGS

Draw wounds, abnormalities, tag locations on diagram and briefly describe below.

Underside
Small puncture
middle of chest



Description of animal:

Kemp's Ridley

All information should be sent to the following address:
National Marine Fisheries Service, Northeast Region
Protected Resources Division
Attention: Endangered Species Coordinator
One Blackburn Drive
Gloucester, MA 01930