

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

www.exeloncorp.com

10 CFR 50.2

July 8, 2011

RA-11-053

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 Report 2011-2

The attached report provides detailed information regarding the recent incidental take of a dead Kemp's ridley sea turtle at Oyster Creek Nuclear Generating Station (OCNGS) on June 9, 2011.

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

Sincerely,



Russell R. Peak
Plant Manager
Oyster Creek Nuclear Generating Station

Enclosures:

Incidental Take Report 2011-2 with photographs and diagram;
MMSC Stranding Report MMSC-11-146

IE23
NRA

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

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P.O. Box 400
Trenton, NJ 08625-0400

Regulatory Assurance File No. 11053

| | |
|--|--------------------------------------|
| | <u>Incidental Take 2011-2</u> |
| OPERATIONS DEPARTMENT: | |
| Observer's full name: | William Tolbert |
| Reporter's full name: | David Shaffer |
| Species Identification (Key attached): | Kemp's ridley |
| Site of Impingement (CWS or DWS): | DWS |
| Bay Number: | 4 |
| Date animal observed: | 9-Jun-11 |
| Time animal observed: | 17:34 |
| Date animal collected: | 9-Jun-11 |
| Time animal collected: | 17:34 |

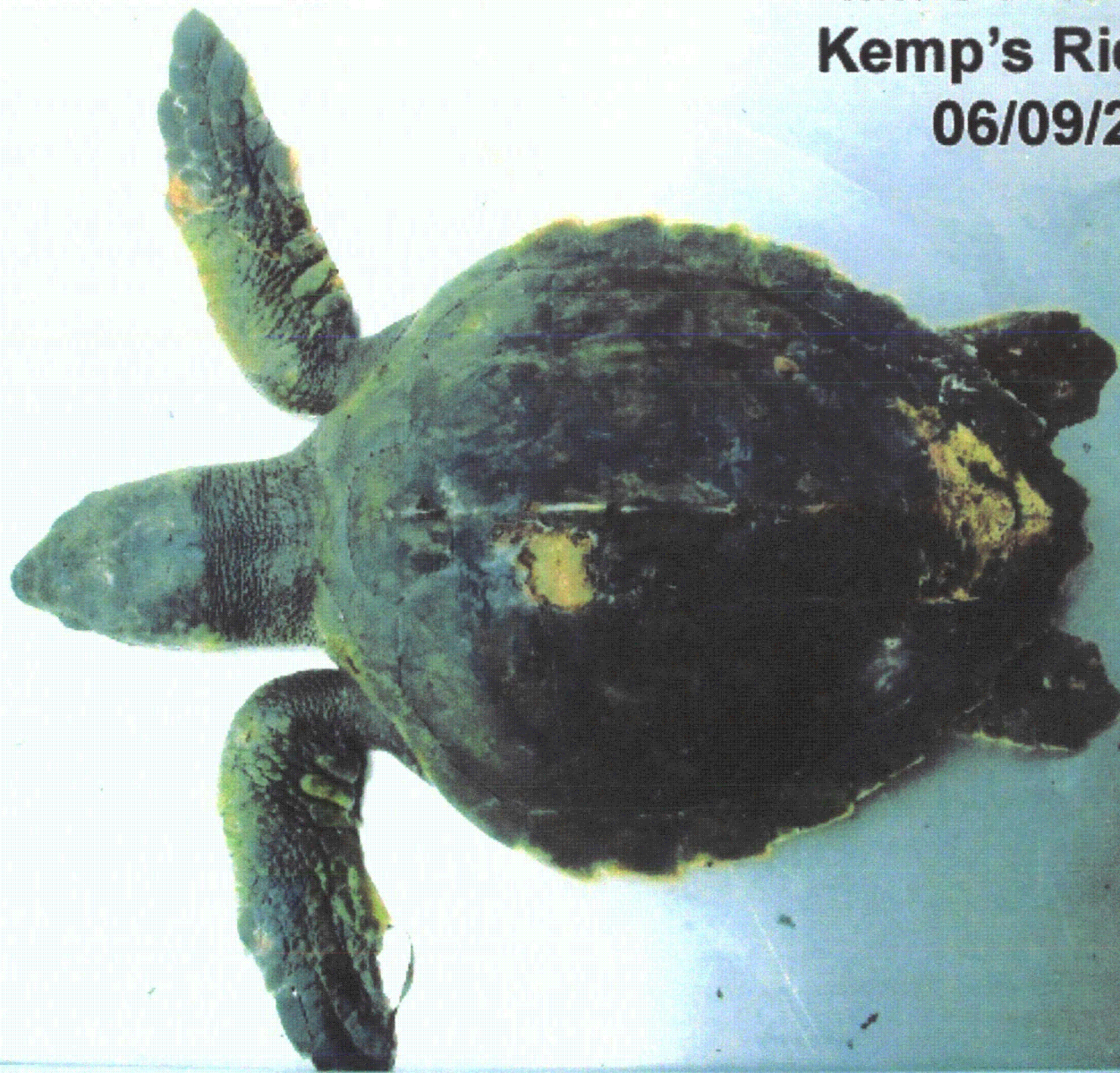
| | |
|-------------------------------------|-------------------------------|
| | Incidental Take 2011-2 |
| CONDITIONS AT COLLECTION: | |
| Tidal Stage: | High Tide |
| Cloud conditions: | Sunny |
| Precipitation: | None |
| Intake water temperature: | 80.8 F / 27.1 C |
| Other conditions | None recorded |
| Number of CW pumps running: | 4 |
| Number of DW pumps running: | 2 |
| Reactor power level at observation: | 100% |
| Reactor power previous 48-hours: | 100% |
| Date of last screen inspection: | 9-Jun-11 |
| Time of last screen inspection: | 16:15 |
| Date of last trash raking: | 9-Jun-11 |
| Time of last trash raking: | 17:00 |

| | |
|---|---------------------------------------|
| | Incidental Take 2011-2 |
| ENVIRONMENTAL DEPARTMENT: | |
| Date Brigantine MMSC contacted: | 9-Jun-11 |
| Time Brigantine MMSC contacted: | 17:45 |
| Date Animal picked up by MMSC: | 9-Jun-11 |
| Time Animal picked up by MMSC: | 19:50 |
| State of animal when first observed: | Dead with some pre-existing wounds |
| State of animal when collected: | Dead with some pre-existing wounds |
| State of animal when picked up: | Dead with some pre-existing wounds |
| State of animal arriving at MMSC: | Dead with some pre-existing wounds |

MMSC 11-146

| | |
|---|---|
| | Incidental Take 2011-2 |
| Final disposition of animal: | Necropsy performed at MMSC and buried at north end of Brigantine Island, NJ |
| Carapace Length - Curved | 22.5 cm |
| Carapace Length - Straight | 21.5 cm |
| Carapace Width - Curved: | 22.3 cm |
| Carapace Width - Straight: | 19.3 cm |
| Weight - lbs (kgs) | 3.0 lbs (1.4 kg) |
| Existing Tag Number | No tag |
| Photograph attached | Yes |
| Diagram of wounds, abnormalities, tag locations attached | Yes |
| Description of Animal | Deceased juvenile Kemp's ridley sea turtle, determined by necropsy to be female |
| All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930 | Yes |

MMSC-11-146
Kemp's Ridley
06/09/2011



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 11 Month 06 Day 09

Turtle number by day 01

Field ID # MMSC-11-146

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

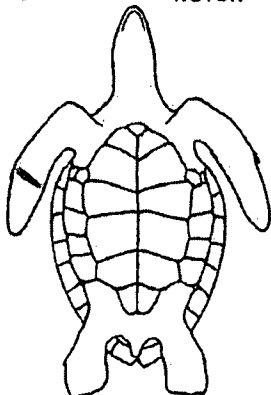
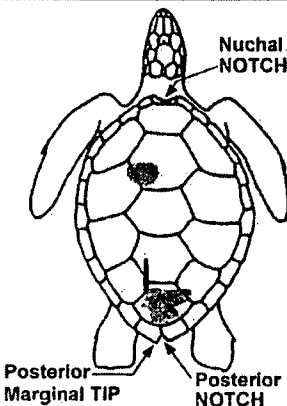
Photos taken? ☒ Yes ☐ No

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? muscle-genetics testing
☐ 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?

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) | 21.5 | <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) | 19.3 | <input checked="" type="checkbox"/> cm <input type="checkbox"/> in |
| Using non-metal measuring tape | | |
| Curved length (NOTCH-TIP) | 22.5 | <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) | 22.3 | <input checked="" type="checkbox"/> cm <input type="checkbox"/> in |

Weight ☐ actual / ☒ est. 3.0 ☐ 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.**

Incidental Capture - Power Plant Impingement. This animal was dead at the time of impingement (early code 3 decomposition). Necropsy by MMSC: organs starting to autolyze, lungs collapsed, trachea empty, stomach contained small amount of tan liquid, proximal intestines were full of clear liquid. There was an old injury under the RFF and two old wounds on the carapace. No tags present. Buried on beach.