NRR-DMPSPEm Resource

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>

Sent: Tuesday, August 28, 2018 1:38 PM

To: incidental.take@noaa.gov; EndangeredSpecies Resource

Cc: jeanette.bowers@dep.nj.gov

Subject: [External_Sender] Salem Generating Station - Incidental Take of Kemp's Ridley Sea

Turtle

Attachments: Sea turtle Incidental Take Report 8-27-18.pdf

Attached is the Incidental Take Report for a deceased Kemp's Ridley sea turtle recovered from the Salem Generating Station cooling water intake trash bars yesterday. Due to the decomposed condition of the specimen, the Marine Mammal Stranding Center will not be conducting a necropsy and the carcass was discarded. This incidental take is authorized and reported in accordance with Biological Opinion NER-2010-6581.

Thank you, and please let me know if you have any questions or need additional information.

Kenneth A. Strait

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Mail Envelope Properties (9d07aa6cd6d348d4a8bbb548d92a0cc1)

Subject: [External Sender] Salem Generating Station - Incidental Take of Kemp's Ridley

Sea Turtle

 Sent Date:
 8/28/2018 1:38:24 PM

 Received Date:
 8/28/2018 1:38:39 PM

 From:
 Strait, Kenneth A.

Created By: Kenneth.Strait@pseg.com

Recipients:

"jeanette.bowers@dep.nj.gov" <jeanette.bowers@dep.nj.gov>

Tracking Status: None

"incidental.take@noaa.gov" <incidental.take@noaa.gov>

Tracking Status: None

"EndangeredSpecies Resource" < EndangeredSpecies.Resource@nrc.gov>

Tracking Status: None

Post Office: pseg.com

Files Size Date & Time

MESSAGE 1541 8/28/2018 1:38:39 PM

Sea turtle Incidental Take Report 8-27-18.pdf 476544

Options

Priority: Standard
Return Notification: No
Reply Requested: Yes
Sensitivity: Normal

Expiration Date: Recipients Received:

APPENDIX B – Part 1 (Sea Turtle)

Incident Report Sea Turtle Take – PSEG Salem Generating Station

Photographs should be taken and the following information should be collected from all turtles and sturgeon (alive and dead) found in association with Salem. Please submit all turtle necropsy results (including sex and stomach contents) to NMFS upon receipt.

Observer's full name: **Douglas Potts (ECSI)**Reporter's full name: **Douglas Potts (ECSI)**

Species Identification (Key attached): Kemp's ridley (Lepidochelys kempi)

Site of Impingement (Unit 1 or 2, CWS or DWS, Bay #, etc.): CWIS, Unit 1, I13B intake bay

Date animal observed: 8-27-18 Time animal observed: 08:15 a.m.

Date animal collected: 8-27-18 Time animal collected: 08:20 a.m.

Date rehab facility contacted: 08-27-18 Time rehab facility contacted: 10:17a.m.

Date animal picked up/delivered to facility: ___Time animal picked up/delivered to facility:

Environmental conditions at time of observation (i.e., tidal stage, weather):

Salinity: 4.0ppt Sky condition: clear Tide: Flood 1 (90.5ft.) Air temp. 24.0°C Wave height: calm Wind - SW

Date and time of last inspection of screen: <u>8/26/18 @ 09:53pm</u> Water temperature (°C) at site and time of observation: <u>27.0</u>°C

Number of pumps operating at time of observation: 12 Circulators in operation

Average percent of power generating capacity achieved per unit at time of observation: <u>Unit 1-99.9 % / Unit 2-100.1%</u> Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: <u>Unit 1-99.9 %</u> / <u>Unit 2-100.3%</u>

Sea Turtle Information: (please designate cm/m or inches)

Fate of animal (circle one):

dead

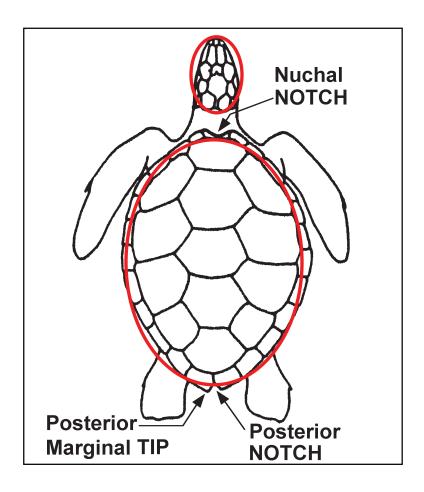
alive

Condition of animal (include comments on injuries, whether the turtle is healthy or emaciated, general behavior while at Salem. At approximately 08:15 a.m., during routine trash rack cleaning, Salem Yard Crew personnel observed a deceased Kemp's ridley sea turtle from Salem Unit 1 13B circulator intake bay. Salem Unit Control and PSEG Nuclear Environmental Affairs personnel were immediately notified. After contacting PSEG Nuclear Environmental Affairs (NEA) personnel, Environmental Consulting Services Inc. (ECSI) personnel verified species identification and began processing of the specimen. PSEG NEA contacted the NMFS at 10:10am, as well as New Jersey DEP at 10:15am, to inform the agencies of the incidental take. At 10:17am, an additional phone call was made to the NJ Marine Mammal Stranding Center (MMSC) to determine if they would like to take possession of the specimen. Based on the specimen's poor condition, MMSC declined to take possession, and directed that the specimen be disposed of after completion of the required processing.

Carapace length - Curved: 26.7cm Straight: 24.7cm
Carapace width - Curved: 28.7cm Straight: 23.0cm
Existing tags?: YES NO Please record all tag numbers. Tag #______
Photograph attached: YES / NO

APPENDIX B, continued (Incident Report of Sea Turtle Take)

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



Description of animal:

At the time of observation at 08:15am, the specimen was determined to be deceased, indicated by the specimen floating on the water surface, on its back and producing no movement. Condition was verified upon retrieval from the intake bay at approximately 08:20am. Except for observed damage to a portion of the lower jaw, missing scute surfaces on the carapace, and missing prefrontal scales (refer to illustration), there was no evidence of external injury to indicate a cause of death. Based on the poor condition of the specimen, it appears that death occurred at a much earlier date. No external tags were observed and no internal PIT tags or wire coded tags were identified.

All information should be sent to the following address:

National Marine Fisheries Service, Northeast Region
Protected Resources Division
Attention: Section 7 Coordinator
55 Great Republic Drive
Gloucester, MA 01930

Phone: (978) 281-9328 FAX: (978) 281-9394

Salem SGS Incidental Take Report - Sea Turtle Attachment 1

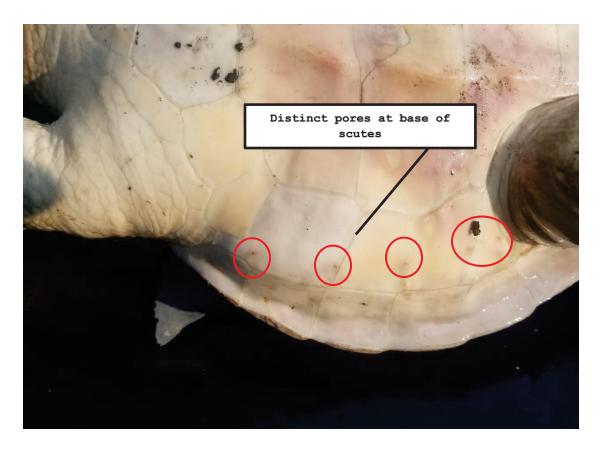


Dorsal view of the deceased Kemp's ridley sea turtle as it appeared after retrieval from Salem CWIS intake bay I13B by Salem Yard crew personnel, during routine trash rack cleaning on the morning of 8-27-18.



Ventral view of the turtle showing the condition of the plastron. Except for some minor damage to the head, in the location of the lower jaw and missing scutes on the carapace, no obvious injuries were observed that would indicate a cause of death. There was no indication of tags, either internal or external (08/27/2018).

Incidental Report Sea Turtle Take –Salem Attachment 1



A close-up view of the plastron. Distinct characteristics of the species, which helped with taxonomic verification, included observation of 4-5 existing pores on the inframarginal scutes on the plastron (identified by the red circles in the photo) as well as five lateral scutes per side on the carapace (08/27/18).