

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Wednesday, June 21, 2023 9:05 AM
To: nmfs.gar.incidental-take@noaa.gov; EndangeredSpecies Resource
Cc: Corbett, Heather [DEP]; Fehring, Shana [DEP]; Neilan, Brian [DEP]
Subject: [External_Sender] Salem Generating Station - Incidental Take Report - Kemp's
ridley sea turtle
Attachments: Sea turtle Incidental Take Report 6-20-23.pdf

Attached is the Incidental Take Report for a deceased Kemp's ridley sea turtle collected on 06/20/2022 from the Salem Generating Station during routine raking of the cooling water intake trash bars. The NJ Marine Mammal Stranding Center did not take possession of the specimen for potential necropsy due to the advanced state of decomposition. The specimen has been held for study pending direction from NOAA/NMFS. This incidental take is authorized under Biological Opinion GAR-2020-02842.

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

Richard Cary
Environmental Compliance & Program Manager
PSEG Nuclear Environmental Affairs
O: 856-339-1487

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Recipients:

"Corbett, Heather [DEP]" <Heather.Corbett@dep.nj.gov>
Tracking Status: None
"Fehring, Shana [DEP]" <Shana.Fehring@dep.nj.gov>
Tracking Status: None
"Neilan, Brian [DEP]" <Brian.Neilan@dep.nj.gov>
Tracking Status: None
"nmfs.gar.incidental-take@noaa.gov" <nmfs.gar.incidental-take@noaa.gov>
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Options

Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:

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: **Matthew McQueston (ECSI)**

Reporter's full name: **Matthew McQueston (ECSI)**

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

Site of Impingement (Unit 1 or 2, CWS or DWS, Bay #, etc.): **Salem Circulating Water Intake, Unit 1, 11B**

Date animal observed: **06-20-23**

Time animal observed: **12:50**

Date animal collected: **06-20-23**

Time animal collected: **12:55**

Date rehab facility contacted: **6-20-23** Time rehab facility contacted: **13:30**

Date animal picked up/ delivered to facility: **NA** Time animal picked up/delivered to facility: **NA**

Marine Mammal Stranding Center was contacted regarding the incidental take, but they declined taking possession of the carcass due to its condition and requested that it be disposed of in an appropriate manner.

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

Salinity: 10.0ppt **Sky condition: overcast**

Tide: Flood 2 (93.5ft.) **Air temp. 22.5°C**

Wave height: calm **Wind - NE**

Date and time of last inspection of screen: **06/20/23 @ 11:24 AM**

Water temperature (°C) at site and time of observation: **23.5°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: **Unit 1-100.2% / Unit 2-99.6%**

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: **Unit 1-99.8 % / Unit 2-99.6%**

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.*

During routine inspection and cleaning, Salem Yard Crew personnel retrieved a deceased Kemp's ridley sea turtle from Salem circulator intake. Salem Unit Control and PSEG Nuclear Environmental Affairs personnel were notified. After contacting PSEG Nuclear Environmental Affairs (NEA) personnel, Environmental Consulting Services Inc. (ECSI) personnel verified species identification and began processing of the specimen. At the direction of PSEG NEA, the deceased specimen was transported back to the ECSI office, and placed in refrigeration, awaiting further direction on final disposition from NMFS.

Carapace length - Curved: **30.0cm** Straight: **28.0cm**

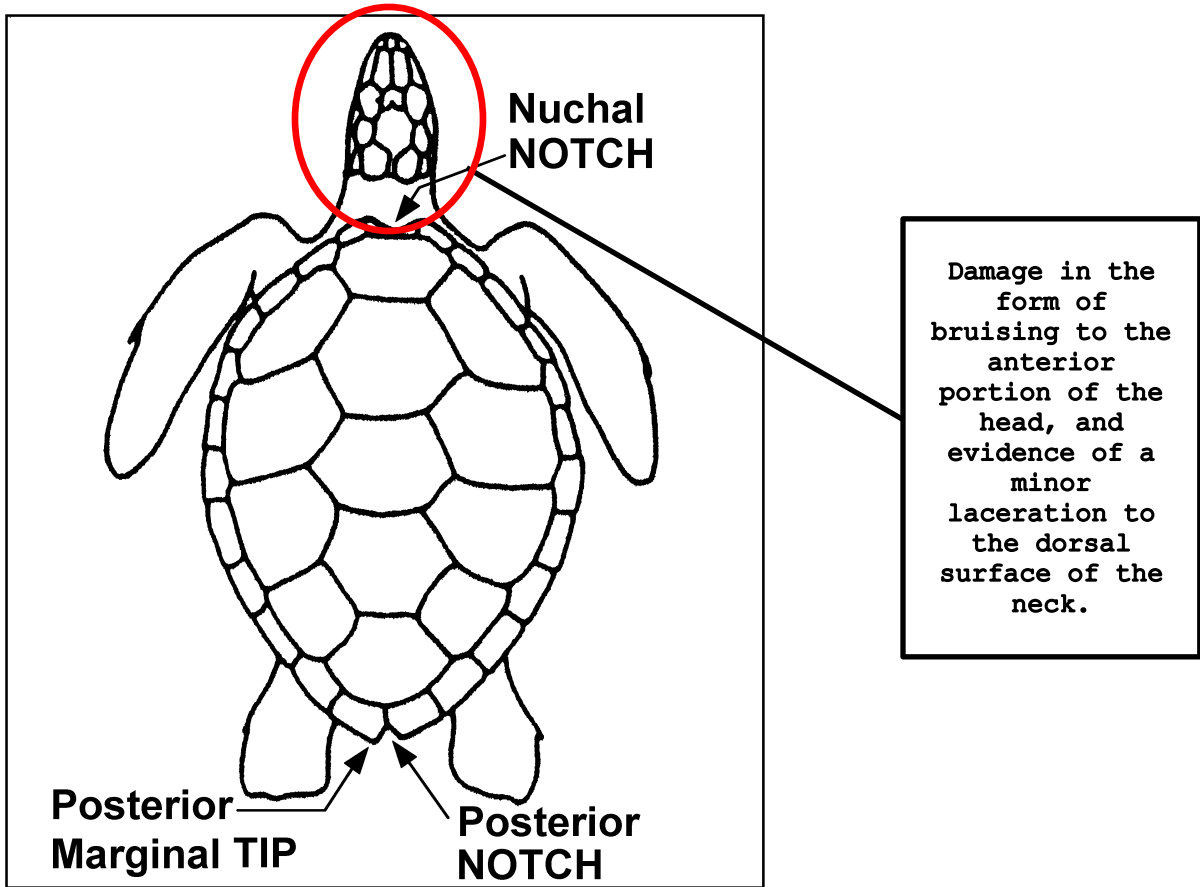
Carapace width - Curved: **31.5cm** Straight: **27.5cm**

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:

Specimen was in very poor condition at the time of retrieval, with damage to the head and neck, in addition to the effects of advanced decomposition. External tags were not found, and an internal PIT tag was not indicated.

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 a deceased, Kemp's ridley sea turtle, collected from Salem CWIS intake on 06-20-2023 by Salem Yard crew personnel. Specimen was in a state of advanced decomposition, and evidence of damage was observed to the head and neck in the form of bruising and a minor laceration (06/20/2023).



A ventral view of the specimen, showing the condition of the plastron. Discoloration of the skin, missing scutes, and foul odor indicated an advanced stage of decomposition (06/20/2023).

**Salem SGS Incidental Take Report - Sea Turtle
Attachment 1**



Dorsal view of the head, showing minor bruising to the anterior portion of the head. A minor laceration was observed at the base of the neck (06/20/2023).



The existence of distinct pores near the margins of the inframarginal scutes (identified by the red circles in photo) on both sides of the plastron, verify the identity of the specimen as a Kemp's ridley turtle [06/20/2023].