

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Thursday, July 7, 2022 8:41 AM
To: incidental.take@noaa.gov; EndangeredSpecies Resource
Cc: Neilan, Brian
Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Kemp's Ridley Sea Turtle 07/06/2022
Attachments: Sea turtle Incidental Take Report 7-6-22.pdf

Attached is the Incidental Take Report for a deceased Kemp's ridley sea turtle collected on 07/06/2022 from the Salem Generating Station during routine raking of the cooling water intake trash bars. Due to the condition of the specimen, the NJ Marine Mammal Stranding Center declined to take possession. The specimen is being held in cold storage for study pending direction from NOAA/NMFS. This incidental take is authorized under Biological Opinion NER-2010-6581.

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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Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Kemp's
Ridley Sea Turtle 07/06/2022
Sent Date: 7/7/2022 8:41:25 AM
Received Date: 7/7/2022 8:41:42 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

Recipients:

"Neilan, Brian" <Brian.Neilan@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

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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.): **CWIS, Unit 1, 12B intake bay**

Date animal observed: **07-06-22** Time animal observed: **10:30 AM**

Date animal collected: **07-06-22** Time animal collected: **10:35 AM**

Date rehab facility contacted: **07-06-22** Time rehab facility contacted: **10:45 PM**

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

Marine Mammal Stranding Center was contacted in regards to their interest in taking possession of the turtle.

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

Salinity: 7.0ppt Sky condition: clear

Tide: Ebb slack (87.5 ft.) Air temp. 27.5°C

Wave height: calm Wind - W

Date and time of last inspection of screen: **07/06/22 @ 07:41 AM**

Water temperature (°C) at site and time of observation: **24.5°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 2-100.0%**

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: **Unit 1-100.0 % / Unit 2-100.0%**

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 inspections, Salem Yard Crew personnel retrieved a deceased Kemp's ridley sea turtle from Salem Unit 1, 12B circulator intake bay. 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. A phone call was placed to the NJ Marine Mammal Stranding Center (MMSC) to determine their interest in taking possession of the carcass. ECSI staff provided MMSC staff with a description of the condition of the turtle, however MMSC staff declined to take possession of the specimen for potential necropsy. The deceased specimen has been retained and transported back to the ECSI main office, where it will be stored under refrigeration, awaiting further direction on final disposition.*

Carapace length - Curved: **21.6cm** Straight: **21.6cm**

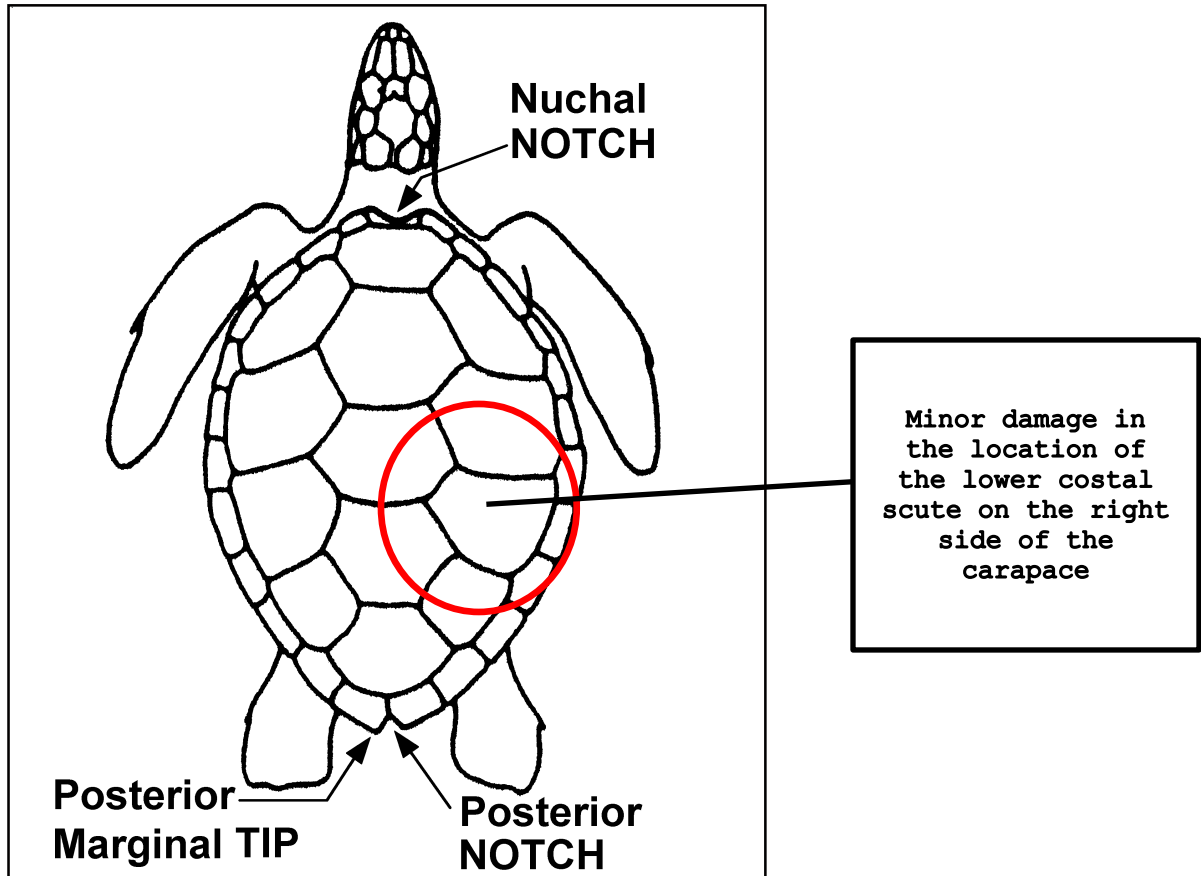
Carapace width - Curved: **22.9cm** Straight: **20.8cm**

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 10:30AM, the specimen appeared to be deceased, indicated by the lack of movement. Specimen revealed some minor damage to the lower scute on the right side of the carapace, (refer to illustration), and still did not show movement after gentle manipulation and attempted resuscitation at the time of processing. External tags were not observed, 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, as it appeared after retrieval from Salem CWIS intake on 07-06-2022 by Salem Yard crew personnel. Minor damage is shown to the lower costal scutes on the carapace (07/06/2022).



A dorsolateral view of the left side, showing the condition of the carapace (07/06/2022).

**Incidental Report Sea Turtle Take –Salem
Attachment 1**



An anterior view, providing an additional example of the condition of the specimen as it appeared at the time of initial collection and processing (07/06/2022).



Ventral view showing the condition of the plastron, which shows some evidence of minor bruising (07/06/2022).

**Incidental Report Sea Turtle Take –Salem
Attachment 1**



The overall round body appearance, and the existence of distinct pores near the margins of each of the four inframarginal scutes (as 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 [07/06/2022].