From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Friday, July 2, 2021 8:36 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 07/01/2021
Attachments: Sea turtle Incidental Take Report 07-1-21.pdf

Attached is the Incidental Take Report for a deceased Kemp's ridley sea turtle collected on 07/01/2021 from the Salem Generating Station during routine raking of the cooling water intake trash bars. Based on the decayed condition, the Marine Mammal Stranding Center declined to take possession of the specimen for potential necropsy. 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
C: 706-254-2584

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Hearing Identifier: NRR_DRMA
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Mail Envelope Properties (2b39c3202760412fb9734e02479136be)

Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Kemp's Ridley Sea Turtle 07/01/2021
Sent Date: 7/2/2021 8:36:18 AM
Received Date: 7/2/2021 8:37:22 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

Post Office: pseg.com

Files	**Size**	**Date & Time**
MESSAGE	1285	7/2/2021 8:37:22 AM
Sea turtle Incidental Take Report 07-1-21.pdf	783354	

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: **Beth Graham (ECSI)**
Reporter's full name: **Beth Graham (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, 11B intake bay**

Date animal observed: **07-01-21** Time animal observed: **08:40 AM**
Date animal collected: **07-01-21** Time animal collected: **08:30 AM**
Date rehab facility contacted: **07-01-21** Time rehab facility contacted: **10:45 AM**
Date animal picked up/ delivered to facility: ___ Time animal picked up/delivered to facility:
Marine Mammal Stranding Center was contacted in regards to their interest in taking possession of the turtle. However, due to poor condition, MMSC staff directed ECSI personnel to discard the specimen.
Environmental conditions at time of observation (i.e., tidal stage, weather):
Salinity: 6.0ppt **Sky condition: partly cloudy**
Tide: Ebb 2 (89.0ft.) **Air temp. 25.5°C**
Wave height: slight **Wind - W**

Date and time of last inspection of screen: **6/30/21 @ 10:22 PM**
Water temperature (°C) at site and time of observation: **27.0°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 1-99.8 % / Unit 2-98.9%**
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: **Unit 1-99.8 % / Unit 2-100.1%**

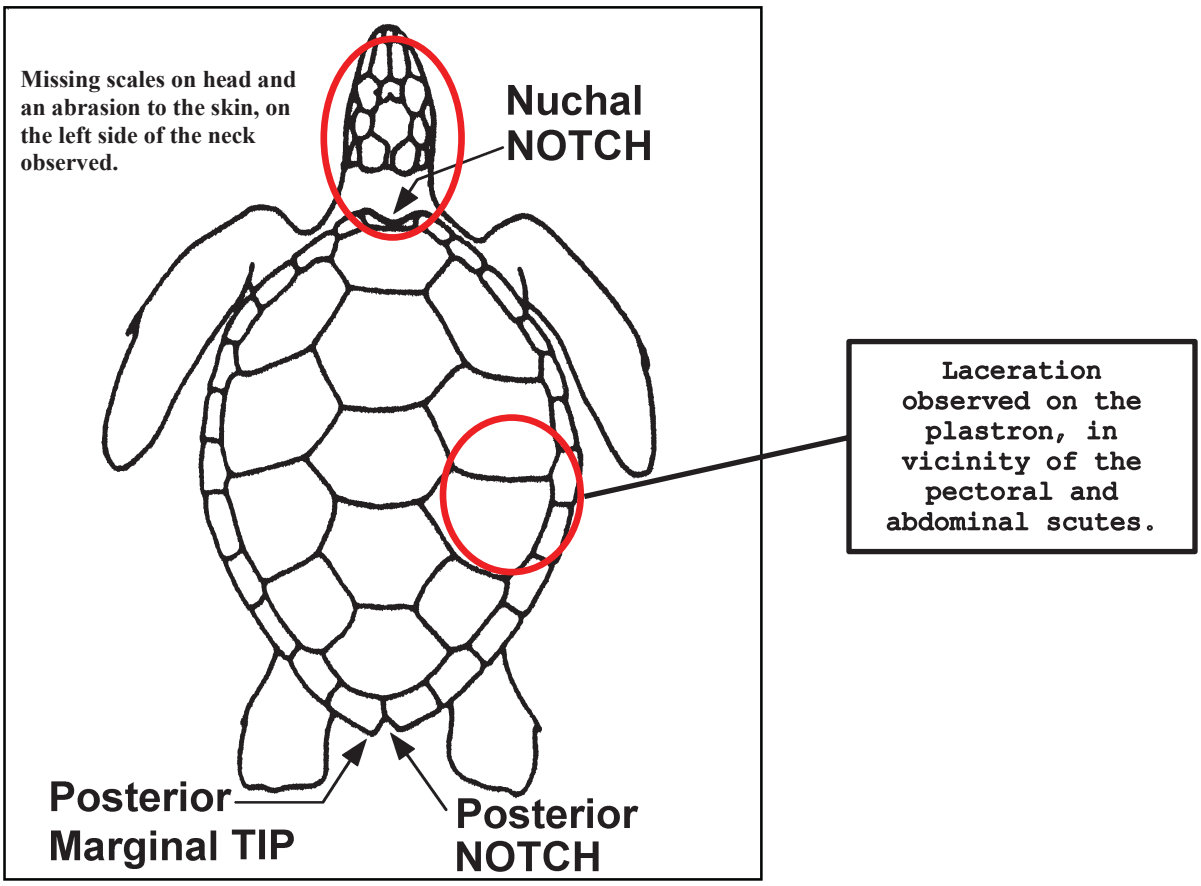
Sea Turtle Information: *(please designate cm/m or inches)*

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 trash rack cleaning, Salem Yard Crew personnel retrieved a deceased Kemp's ridley sea turtle from Salem Unit 1, 11B 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, and based on those details, MMSC directed ECSI staff to discard the specimen. Specimen was discarded into the on-site waste debris collection container.**

Carapace length - Curved: **20.3cm** Straight: **19.2cm**
Carapace width - Curved: **21.0cm** Straight: **17.0cm**
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 08:40AM, the specimen was determined to be deceased, indicated by the lack of movement and an existing odor of decay. Specimen revealed damage to the dorsal aspects of the head, in the form of an abrasion to the left side of the neck, and missing scales on top of the head (refer to illustration). Damage also included a laceration on the right side of the plastron, in the vicinity of the pectoral and abdominal scutes. 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 07-01-2021 by Salem Yard crew personnel during routine trash rack cleaning. Some minor damage to the prefrontal scales on the head was observed (07/01/2021).

A ventral view showing the condition of the plastron. A large laceration was observed on the lower right side, along the natural separation between the pectoral and abdominal scutes (07/01/2021).

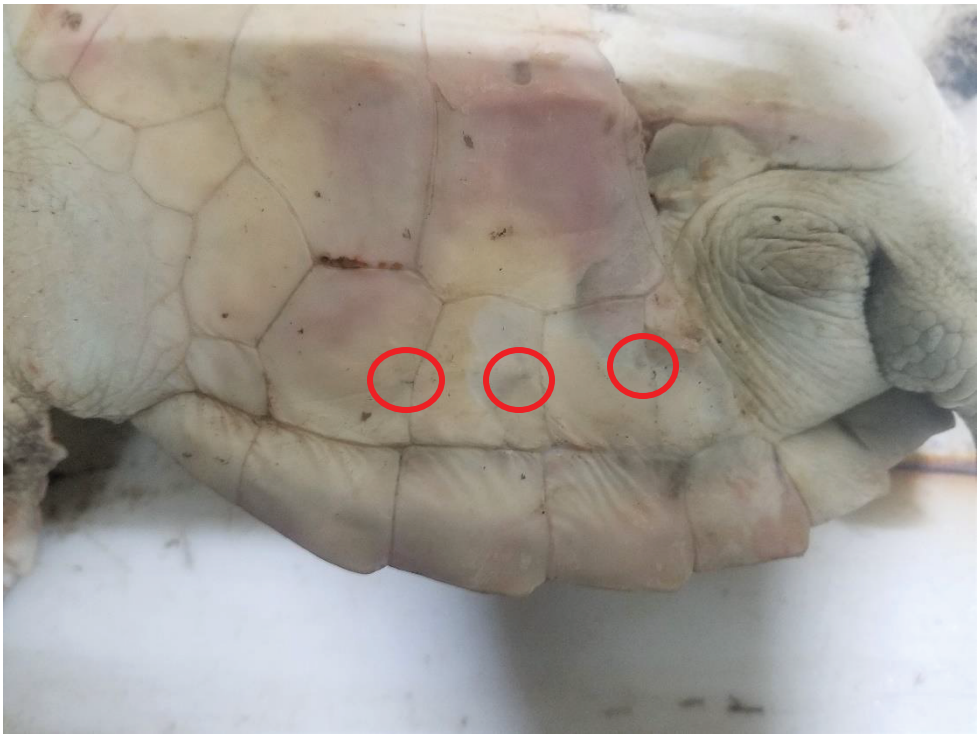
Incidental Report Sea Turtle Take –Salem
Attachment 1

A close-up of the plastron, showing the large laceration in the vicinity of the pectoral and abdominal scutes. Except for some surface bruising and missing scales, the specimen exhibited no other significant damage (07/01/2021).

A dorsolateral view of the left side of the head, showing an abrasion to the surface layer of skin on the neck, revealing the subcutaneous layer (07/01/2021).

Incidental Report Sea Turtle Take –Salem
Attachment 1

A dorsolateral view of the right side of the head, showing significant bruising (07/01/2021).



In addition to the overall round body appearance, the existence of distinct pores near the margins of each of the inframarginal scutes, on the right and left side, (identified by the red circles in photo) were identified [07/01/2021].