

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Friday, September 23, 2022 9:41 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 09/22/2022
Attachments: Sea turtle Incidental Take Report 9-22-22.pdf

Attached is the Incidental Take Report for a deceased Kemp's ridley sea turtle collected on 09/22/2022 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. The specimen has been held for study pending direction from NOAA/NMFS. This incidental take is authorized under Biological Opinion NER-2010-6581.

Please let me know if you have any questions or need additional information. Thanks.

Ken

Kenneth A. Strait

Manager-Biological Programs
PSEG Nuclear Environmental Affairs
P.O. Box 236, N33
Hancocks Bridge, NJ 08302 kenneth.strait@pseg.com
www.pseg.com/environment/estuary

The information contained in this e-mail, including any attachment(s), is intended solely for use by the named addressee(s). If you are not the intended recipient, or a person designated as responsible for delivering such messages to the intended recipient, you are not authorized to disclose, copy, distribute or retain this message, in whole or in part, without written authorization from PSEG. This e-mail may contain proprietary, confidential or privileged information. If you have received this message in error, please notify the sender immediately. This notice is included in all e-mail messages leaving PSEG. Thank you for your cooperation.

Hearing Identifier: NRR_DRMA
Email Number: 1790

Mail Envelope Properties (4c16992ac907432284a8372219b357bd)

Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Kemp's
Ridley Sea Turtle 09/22/2022
Sent Date: 9/23/2022 9:40:37 AM
Received Date: 9/23/2022 9:41:09 AM
From: Strait, Kenneth A.

Created By: Kenneth.Strait@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	1650	9/23/2022 9:41:09 AM
Sea turtle Incidental Take Report 9-22-22.pdf		522064

Options

Priority: Normal

Return Notification: Yes

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**

Date animal observed: **09-22-22**

Time animal observed: **13:10**

Date animal collected: **09-22-22**

Time animal collected: **13:10**

Date rehab facility contacted: **9-22-22** Time rehab facility contacted: **13:30**

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

Marine Mammal Stranding Center was contacted regarding the incidental take, but they declined taking possession of the carcass due to its condition.

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

Salinity: 12.0ppt

Sky condition: light rain

Tide: Ebb 2 (90.0ft.)

Air temp. 21.0°C

Wave height: slight

Wind - SE

Date and time of last inspection of screen: **09/21/22 @ 09:13 PM**

Water temperature (°C) at site and time of observation: **25.0°C**

Number of pumps operating at time of observation: **11 Circulators in operation**

Average percent of power generating capacity achieved per unit at time of observation: **Unit 1-100.2% / Unit 2-100.1%**

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: **Unit 1-100.2% / 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: **26.4cm** Straight: **24.1cm**

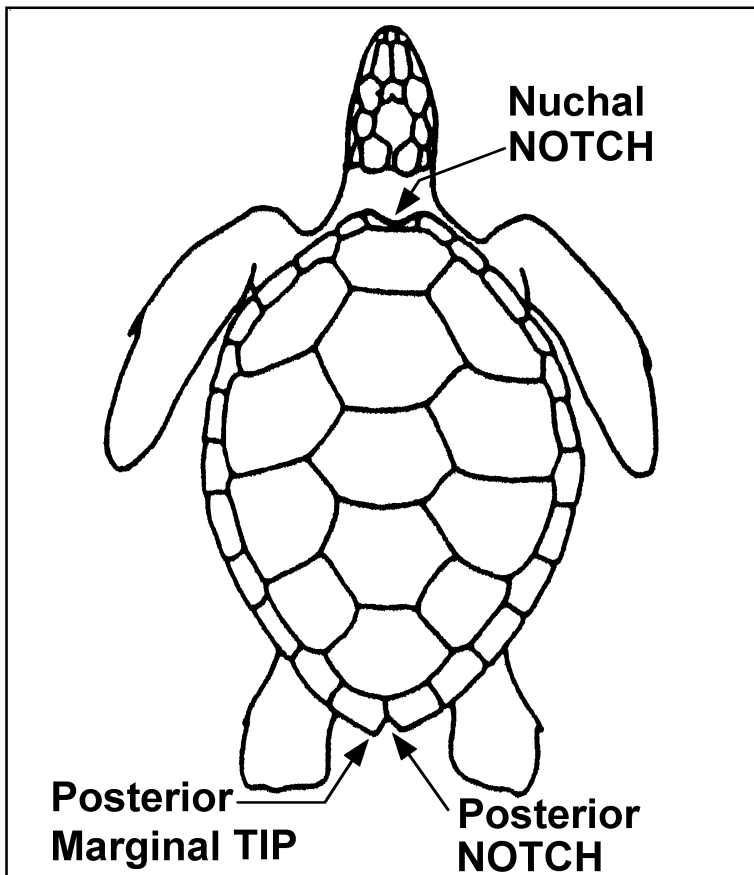
Carapace width - Curved: **25.4cm** Straight: **22.9cm**

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 collection, the specimen was deceased, but no external damage was observed during processing indicating a possible cause of death. Specimen revealed evidence of bruising on portions of the plastron and on the ventral surface of the flippers. Also evident were the early stages of decomposition, indicated by a foul odor as well as by distinct swelling of the eyes, neck, and the tongue. Based on this evidence, it is likely the specimen perished at some point prior to its observation and subsequent collection at the facility. 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, collected from Salem CWIS intake on 09-22-2022 by Salem Yard crew personnel. Specimen was not severely damaged, but revealed signs of the onset of early decomposition (09/22/2022).



A ventral view of the specimen, showing the condition of the plastron. Except for some bruising on the plastron and flippers, no obvious signs of injury or damage was observed (09/22/2022).

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



A dorsolateral view of specimen, showing the effects of the early stages of decomposition, indicated by swelling of the eyes, tongue, and tissue in the vicinity of the head and neck, as well as peeling of the outer layer of the scutes on the carapace (09/22/2022).