

**From:** Cary, Richard H. <Richard.Cary@pseg.com>  
**Sent:** Thursday, September 1, 2022 10:33 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 08/31/2022  
**Attachments:** Sea turtle Incidental Take Report 8-31-22.pdf

Attached is the Incidental Take Report for a deceased Kemp's ridley sea turtle collected on 08/31/2022 from the Salem Generating Station from the cooling water intake. Due to the decayed condition of the specimen, the NJ Marine Mammal Stranding Center declined to take possession 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.

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 08/31/2022  
**Sent Date:** 9/1/2022 10:32:45 AM  
**Received Date:** 9/1/2022 10:33:13 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

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MESSAGE	1314	9/1/2022 10:33:13 AM
Sea turtle Incidental Take Report 8-31-22.pdf		563671

**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: Alexander Riehle (ECSI)

Reporter's full name: Alexander Riehle (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, 12A intake bay

Date animal observed: 08-31-22

Time animal observed: 13:40

Date animal collected: 08-31-22

Time animal collected: 14:00

Date rehab facility contacted: 08-31-22 Time rehab facility contacted: 15:00

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: 11.0ppt**                      **Sky condition: partly cloudy**

**Tide: Flood 2 (93.0ft.)**              **Air temp. 28.0°C**

**Wave height: moderate**              **Wind - W**

Date and time of last inspection of screen: 08/31/22 @ 09:36 AM

Water temperature (°C) at site and time of observation: 28.5°C

Number of pumps operating at time of observation: 10 Circulators in operation

Average percent of power generating capacity achieved per unit at time of observation: Unit 1-100.1% / Unit 2-99.9%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1-99.0 % / Unit 2-99.0%

**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, 12A 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, due to its poor condition. 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.*

Carapace length - Curved: 26.1cm      Straight: 25.4cm

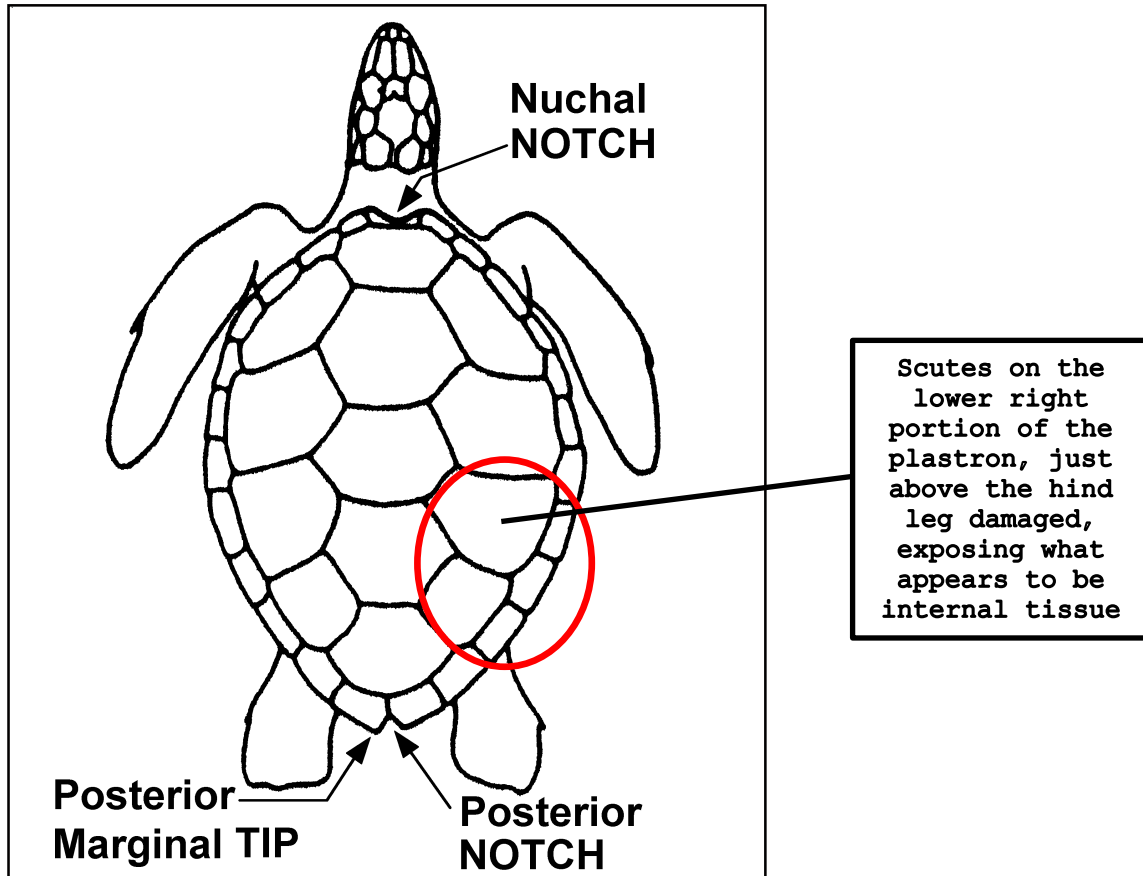
Carapace width - Curved: 25.1cm      Straight: 22.6cm

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 processing, the specimen was deceased, with damage observed to the scutes in the lower right portion of the plastron, exposing flesh and underlying tissue (refer to illustration). Specimen was also exhibiting the early stages of decomposition, indicated by the loss of the surface layer of several scutes on the carapace, and by exhibiting a foul odor. Based on this evidence, it is likely the specimen perished at some point prior to its observation and 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, as it appeared after retrieval from Salem CWIS intake on 08-31-2022 by Salem Yard crew personnel. Specimen revealed signs of the onset of decomposition, indicated by the missing Surface layer on several scutes on the carapace as well as a foul odor (08/31/2022).



A ventral view of the specimen, showing the condition of the plastron. Damage to scutes was observed in the lower right portion of the body, with flesh and tissue exposed just above the hind leg (08/31/2022).

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



A posterior view, providing a close up of damaged scutes and exposed flesh observed in the lower right portion of the plastron. The overall round body appearance and the existence of distinct pores near the margins of each of the four inframarginal scutes, as indicated by the red circle in the photo, verify the identity of the specimen as a Kemp's ridley (08/31/2022).