

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Tuesday, June 13, 2023 9:31 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 6-12-23 #1.pdf; Sea turtle Incidental Take
Report 6-12-23 #2.pdf

Attached are the Incidental Take Reports for two deceased Kemp's ridley sea turtles collected on 06/12/2023 from the Salem Generating Station during routine raking of the cooling water intake trash bars. Both specimens were transferred to the NJ Marine Mammal Stranding Center for future necropsy. 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
856-339-1487

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Subject: [External_Sender] Salem Generating Station - Incidental Take Report - Kemp's
ridley sea turtle
Sent Date: 6/13/2023 9:30:55 AM
Received Date: 6/13/2023 9:31:25 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

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>
Tracking Status: None
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None

Post Office: pseg.com

Files	Size	Date & Time
MESSAGE	1235	6/13/2023 9:31:25 AM
Sea turtle Incidental Take Report 6-12-23 #1.pdf	452639	
Sea turtle Incidental Take Report 6-12-23 #2.pdf	476538	

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: Alex Riehle (ECSI)

Reporter's full name: Alex Riehle (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, 12A

Date animal observed: 06-12-23

Time animal observed: 13:20

Date animal collected: 06-12-23

Time animal collected: 13:25

Date rehab facility contacted: 6-12-23 Time rehab facility contacted: 13:40

Date animal picked up/ delivered to facility: 6-12-23 Time animal picked up/delivered to facility: 16:00

Marine Mammal Stranding Center was contacted regarding the incidental take. and they coordinated with ECSI on-site personnel to have a MMSC volunteer pick up the specimen from the Station, and transport back to their facility.

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

Salinity: 10.0ppt Sky condition: clear

Tide: Ebb Slack (88.0) Air temp. 23.0°C

Wave height: rough Wind - SSW

Date and time of last inspection of screen: 06/12/22 @ 10:27 AM

Water temperature (°C) at site and time of observation: 23.0°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 1-100.1% / Unit 2-100.0%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1-100.1% / Unit 2-99.9%

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 retrieved a deceased Kemp's ridley sea turtle from Salem Circulator Intake, bay 12A. 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.*

Carapace length - Curved: 27.9cm Straight: 27.3cm

Carapace width - Curved: 27.4cm Straight: 25.4cm

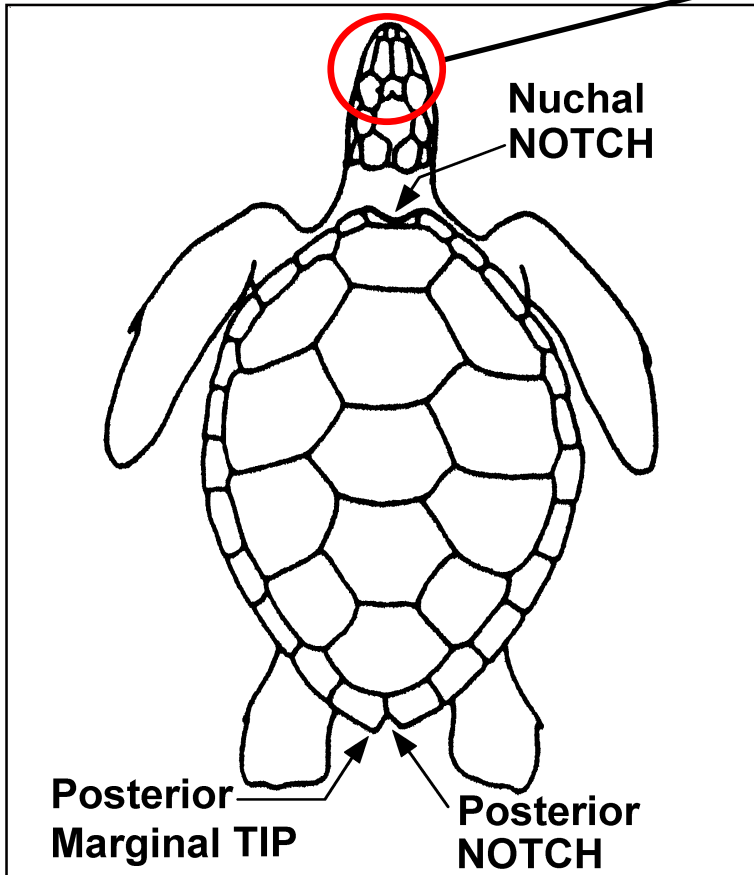
Existing tags? YES NO Please record all tag numbers. Tag # _____

Photograph attached: YES NO

APPENDIX B, continued (**Incident Report of Sea Turtle Take**)

Draw wounds, abnormalities, tag locations on diagram and briefly describe below.

Damage in the form of a laceration observed to the top of the head



Description of animal:

Specimen was in fair condition at the time of retrieval, with damage to the head observed. 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 06-12-2023 by Salem Yard crew personnel. Specimen was in fair condition, with an injury to the head observed (06/12/2023).



A ventral view of the specimen, showing the condition of the plastron (06/12/2023).

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



Dorsal view of the head, showing the location of a laceration observed at the time of collection (06/12/2023).



Another dorsal view showing the damage to the surface of the head (06/12/2023).

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: Alex Riehle (ECSI)

Reporter's full name: Alex Riehle (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, 12A

Date animal observed: 06-12-23

Time animal observed: 13:22

Date animal collected: 06-12-23

Time animal collected: 13:27

Date rehab facility contacted: 6-12-23 Time rehab facility contacted: 13:40

Date animal picked up/ delivered to facility: 6-12-23 Time animal picked up/delivered to facility: 16:00

Marine Mammal Stranding Center was contacted regarding the incidental take, and they coordinated with ECSI on-site personnel to have a MMSC volunteer pick up the specimen from the Station, and transport back to their facility.

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

Salinity: 10.0ppt Sky condition: clear

Tide: Ebb Slack (88.0) Air temp. 23.0°C

Wave height: rough Wind - SSW

Date and time of last inspection of screen: 06/12/22 @ 10:27 AM

Water temperature (°C) at site and time of observation: 23.0°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 1-100.1% / Unit 2-100.0%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1-100.1% / Unit 2-99.9%

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 retrieved a second deceased Kemp's ridley sea turtle from Salem Circulator Intake, bay 12A. 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.*

Carapace length - Curved: 28.7cm Straight: 27.1cm

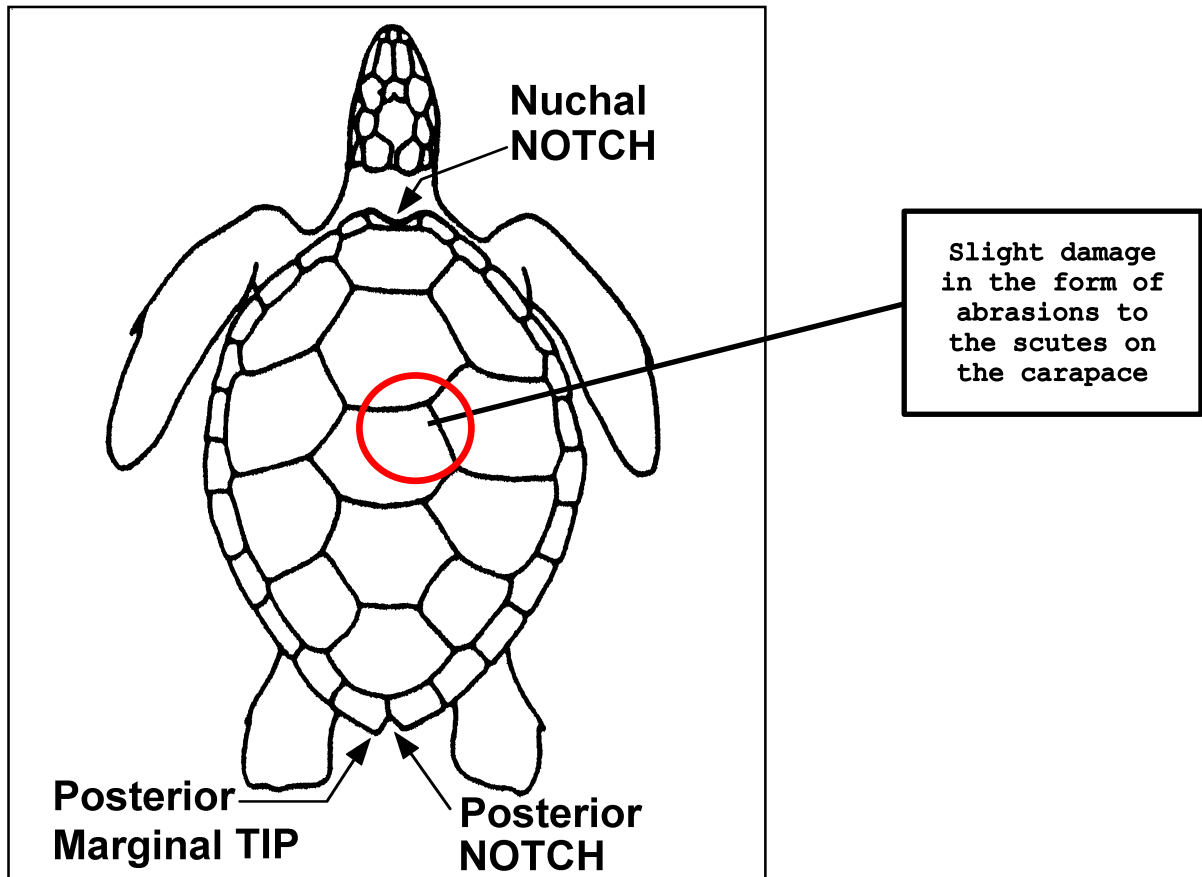
Carapace width - Curved: 30.5cm Straight: 25.1cm

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 fair condition at the time of retrieval, with slight damage to the carapace observed. 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 second, deceased Kemp's ridley sea turtle, collected from Salem CWIS intake on 06-12-2023 by Salem Yard crew personnel. Specimen was in fair condition, with minor damage observed to the scutes on the carapace (06/12/2023).



A ventral view of the specimen, showing the condition of the plastron. Discoloration of the scutes indicate the specimen is in the early stage of decomposition (06/12/2023).

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



Dorsal view of the carapace, showing minor damage to the scutes observed at the time of collection (06/12/2023).



Dorsal view of the head (06/12/2023).