



LR-E13-0159

EPP 5.4.2 Appendix B

JAN 07 2014

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7011 3500 0000 5084 9612

SUBJECT: **REPORT OF IMPINGEMENT OF ATLANTIC STURGEON
SALEM GENERATING STATION
DOCKET NO. 50-272**

The Nuclear Environmental Event Report, "Report of Impingement of Atlantic Sturgeon" is being submitted pursuant to the requirements of Section 5.4.2 of Appendix B, Environmental Protection Plan, to the Operating License for the Salem Generating Station, PSEG Nuclear LLC (PSEG).

Please find enclosed a letter and two attachments with further information regarding this impingement event.

If you have any questions or require additional information, please do not hesitate to contact Kenneth Strait, Manager – Biological Programs at (856) 339-3929.

Sincerely,

A handwritten signature in black ink, appearing to read "L. M. Wagner", written over a horizontal line.

Lawrence M. Wagner
Plant Manager - Salem
PSEG Nuclear LLC

Attachments (2)

IE23
NRR

REPORT OF IMPINGEMENT OF ATLANTIC STURGEON

In accordance with Section 5.4.2 of Appendix B, Environmental Protection Plan, to the Operating License for the Salem Generating Station, PSEG Nuclear LLC (PSEG) hereby transmits notification of a nonroutine event, and documents the occurrence and removal of an Atlantic sturgeon (*Acipenser oxyrinchus*) from the Salem Generating Station circulating water intake structure trash bars.

Consultation pursuant to Section 7 of the Endangered Species Act of 1973 (ESA) between NRC and the National Marine Fisheries Service (NMFS) on the effects of the operation of Salem Station on threatened and endangered species has been ongoing since 1979. The most recent revision to the Biological Opinion and Incidental Take Statement issued in January 1999 exempts the specified annual take of shortnose sturgeon and sea turtles. In advance of relicensing for Salem Station, consultation pursuant to Section 7 of the ESA between NRC and NMFS was reinitiated in 2009. On April 6, 2012, the NMFS listed five Distinct Population Segments of Atlantic sturgeon as threatened or endangered under the ESA. In May 2012, NRC requested consultation on the effects of the continued operation of Salem Station on Atlantic sturgeon. The NMFS issued a draft Biological Opinion and Incidental Take Statement (ITS) in July 2012 that, when finalized, will authorize a specified incidental take of both Atlantic sturgeon and shortnose sturgeon associated with operation of the Salem Station circulating water intake system.

Pursuant to Section 5.4.2 of the Environmental Protection Plan for Salem Station, nonroutine events which require reporting to other federal agencies shall be reported in accordance with the other agencies' reporting requirements. Accordingly, enclosed please find two (2) attachments. Attachment 1 provides the information requested by the NMFS in Appendix II to the current ITS and in Appendix B, Part 2, to the revised draft ITS. Attachment 2 is a copy of a Sturgeon Salvage Form verbally requested by the NMFS.

There are no commitments contained in this letter.

cc: Mr. William Dean, Administrator - Region I
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Mr. John Hughey, Licensing Project Manager - Salem
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Salem Commitment Coordinator
Mail Code X25

LR-E13-0159
Document Control Desk

bc: Salem Site Vice President
Salem Plant Manager
Director – Regulatory Affairs
Manager – Nuclear Environmental Affairs
Regulatory Assurance Manager – Salem
Records Management

ATTACHMENT 1 (Sturgeon)

Observer's full name: Michael Pego

Reporter's full name: Michael Pego

Species Identification (Key attached): Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Impingement (Unit 1 or 2, CWS or DWS, Bay #, etc.): CWIS, 23 A Trash Rack

Date animal observed: 12/13/2013 Time animal observed: 0925

Date animal collected: 12/13/2013 Time animal collected: 0935

Date rehab facility contacted: N/A Time rehab facility contacted: N/A

Date animal picked up: N/A Time animal picked up: N/A

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

Air temp - 0° C ; Wind - West ; Tide - 91.3 (Ebb 1)

Date and time of last inspection of screen: 12/13/2013, 0912

Water temperature (°C) at site and time of observation: 5°

Number of pumps operating at time of observation: Unit 1 6 Unit 2 6

Average percent of power generating capacity achieved per unit at time of observation:

Unit 1 100 Unit 2 100

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation:

Unit 1 100 Unit 2 100

Sturgeon Information:

Species Atlantic Sturgeon (Acipenser oxyrinchus)

Fork length (or total length) 570mm (Total Length) Weight Not weighed

Condition of specimen/description of animal

Live specimen was observed and retrieved by Salem Yard Crew during routine trash rack clearing at CWIB. Salem control room contacted site environmental personnel. Environmental found the fish to be in overall good health with no visual signs of injury. Fish was photographed and measured and at approximately 0940 was released back to the river down the DDP.

Fish Decomposed: NO SLIGHTLY MODERATELY SEVERELY

Fish tagged: YES NO Please record all tag numbers. Tag # Not scanned

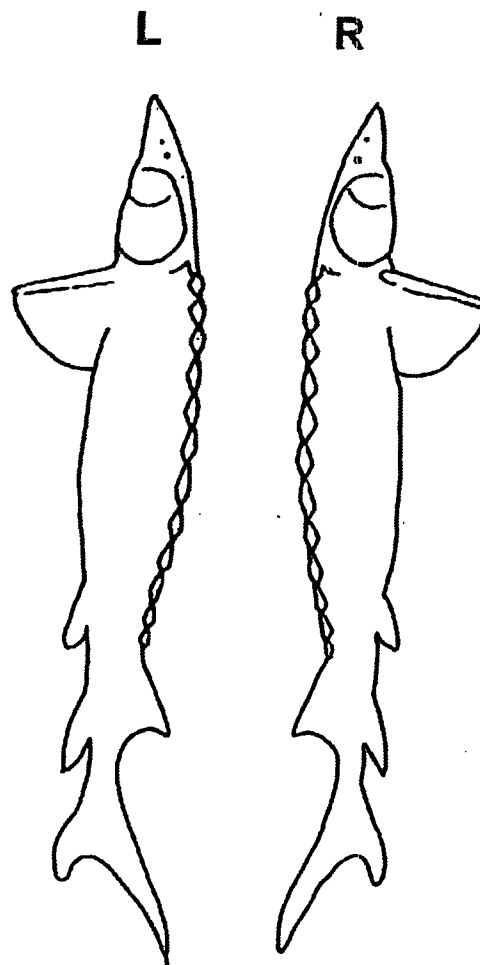
Photograph attached: YES / NO

(please label species, date, geographic site and vessel name on back of photograph)



ATTACHMENT 1 (Sturgeon) continued

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



Description of fish condition:

Specimen was alive at the time of initial observation and collection by Salem Yard Crew. Upon closer inspection, it was determined that the fish was in overall good health with no obvious signs of injury. Fish was released alive back to the river.