



LR-E14-0007

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 9681

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  
U. S. Nuclear Regulatory Commission  
2100 Renaissance Blvd., Suite 100  
King of Prussia, PA 19406-2713

Mr. John Hughey, Licensing Project Manager - Salem  
U. S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Mail Stop 0-4D-3  
Rockville, MD 20852

USNRC Senior Resident Inspector - Salem  
Mail Code X24

Mr. P. Mulligan, Manager  
Bureau of Nuclear Engineering  
New Jersey Department of Environmental Protection  
PO Box 420  
Mail Code: 33-01  
Trenton, NJ 08625-0420

Ms. Lynn Lankshear  
National Marine Fisheries Service  
Protected Resources Division  
55 Great Republic Drive, Suite 04-400  
Gloucester, MA 01930

Ms. Karen Greene  
National Marine Fisheries Service  
74 Magruder Road  
Highland, NJ 07732-4054

Mr. Dave Jenkins  
Endangered and Nongame Species Program  
New Jersey Department of Environmental Protection  
1 Van Syckels Road  
Clinton, NJ 08809

Salem Commitment Coordinator  
Mail Code X25

LR-E14-0007  
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: Tanya Timberman

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, 11B

Date animal observed: 12/20/2013

Time animal observed: 0758

Date animal collected: 12/20/2013

Time animal collected: 0758

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 6° C ; Wind - Southwest ; Tide - 88.5 (flood 1)

Date and time of last inspection of screen: 12/20/2013, 0239

Water temperature (°C) at site and time of observation: 4.0° C

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 0815 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 Seamed

Photograph attached: (YES) / NO

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





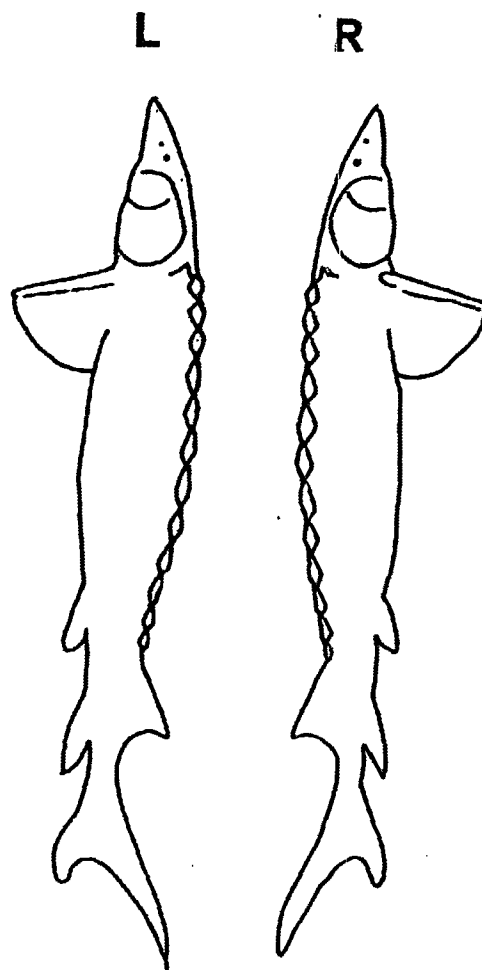






**ATTACHMENT 1 (Sturgeon) continued**

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.