

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 1		DOCKET NUMBER (2) 0 5 0 0 0 2 7 2 1	PAGE (3) OF 3
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TITLE (4)  
Impingement of Sea Turtle in the Circulating Water Intake

EVENT DATE (6)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (9)													
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)											
0	8	2	9	8	4	8	4	0	0	1	9	0	0	0	9	2	8	8	4	Salem - Unit 2	0 5 0 0 0 3 1 1	
												0	5	0	0	0						

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)

OPERATING MODE (9) 4	20.402(b)	20.406(a)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0, 0, 0	20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(e)
	20.406(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 388A)
	20.406(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	Environmental Tech. Specs.
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME J. L. Rupp	TELEPHONE NUMBER AREA CODE 6 0 9 3 3 9 - 4 3 0 9
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 29, 1984, a turtle was found impinged on the trash bars in the Circulating Water System (CWS) intake. The V. J. Schuler Associates' biologist on station was immediately informed of the incident. The turtle was identified as an Atlantic (Kemp's) ridley turtle (*Lepidochelys Kempfi*). The specimen had a carapace length and width of 323 and 203 mm, respectively, and was live and in excellent condition. The specimen was released at Sunken Ship Cove, on ebb tide, by the V. J. Schuler Associates' biologist and was observed to swim away vigorously. The appropriate U.S. Government and State agencies were notified. Sea turtles are a summer migrant, common to the Salem Plant's waterfront during July through September. Past experience indicates that healthy turtles are usually able to avoid the approach velocities of the CWS intake, although occasionally one will become impinged on the trash bars. Since this event might be interpreted as an unusual or important event having potential public interest concerning environmental impact from plant operation, this report is submitted in accordance with Salem Environmental Technical Specification, Section 5.6.2.1 (Non-Routine Environmental Operating Reports).

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PLANT AND SYSTEM IDENTIFICATION:

Westinghouse - Pressurized Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as [XX].

IDENTIFICATION OF OCCURRENCE:

Impingement of Sea Turtle in the Circulating Water Intake

Event Date: 08/29/84

Report Date: 09/28/84

This report was initiated by Incident Report No. 84-137

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 - Mode 4 - Rx Power 000 % - Unit Load 0000 MWE

Unit 2 - Mode 1 - Rx Power 100 % - Unit Load 1140 MWE

DESCRIPTION OF OCCURRENCE:

At 1415 hours, on August 29, 1984, a turtle was found impinged on the trash bars in the Circulating Water System [UA] intake. The V.J. Schuler Associates' biologist on station was immediately informed of the incident. The Specimen was identified as an Atlantic (Kemp's) ridley turtle (*Lepidochelys Kempfi*). The specimen had a carapace length and width of 323 and 203 mm, respectively. The turtle was live and in excellent condition. The specimen was released at Sunken Ship Cove, on ebb tide, by the V.J. Schuler Associates' biologist; and was observed to swim away vigorously.

The following agencies were notified of the event:

National Marine Fisheries Service (Tracy McKenzie)  
U.S. Environmental Protection Agency (Ed Santora)  
U.S. Nuclear Regulatory Commission (Bob Samworth)  
U.S. Fish and Wildlife Service (Joe Miller)  
N.J. Department of Environmental Protection (Tara Castner)  
Delaware Department of Natural Resources (Thelma Martin)  
Delaware River Basin Commission (Dick Albert)  
Marine Mammal Stranding Center (Bob Schoelkopf)

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APPARENT CAUSE OF OCCURRENCE:

Sea turtles are a summer migrant, common to the Delaware Bay. Small numbers typically occur in the lower Delaware River near Salem during July through September. Past experience indicates that healthy turtles are usually able to avoid the approach velocities of the CWS intake, although occasionally one will become impinged on the trash bars.

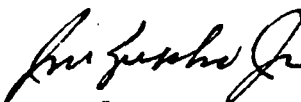
ANALYSIS OF OCCURRENCE:

The CWS intake is monitored for the accumulation of debris, which is periodically removed and returned to the river. Any turtles which are observed impinged against the trash bars are immediately removed. Between 1979 and 1984, a total of eighteen (18) sea turtles have been collected in or around the immediate vicinity of the plant. Of these, thirty-three percent (33%), or six (6) turtles have been ridleys. The remaining sixty-seven percent (67%), or twelve (12) turtles, have been of the Atlantic loggerhead species (*Caretta caretta*). Of the total turtles collected, sixty-one percent (61%), or eleven (11) turtles, have been dead on arrival.

Salem Environmental Technical Specification, Section 5.6.2.1 (Non-Routine Environmental Operating Reports), requires that "A report be submitted in the event that...an unusual or important event occurs that...has high public or potential public interest concerning environmental impact from plant operation." PSE&G feels that, based on past experience, this event might be interpreted as requiring reporting under the specification.

CORRECTIVE ACTION:

As previously stated, the turtle was retrieved from the Circulating Water System intake and released unharmed. The proper notifications were made. No further corrective action was deemed necessary.

  
General Manager-  
Salem Operations

JLR:tns

SORC Mtg 84-132