

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 2 DOCKET NUMBER (2) 0 5 0 0 0 3 1 1 1 OF 0 3 PAGE (3)

TITLE (4) Non-Representative Sample of No. 23 Gas Decay Tank
Prior to Release of Contents

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)													
0	8	3	0	8	38	4	0	0	9	0	0	0	5	1	6	8	4	0	5	0	0	0	0

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)																								
POWER LEVEL (10)	<table border="1"><tr><td>20.402(b)</td><td>20.405(c)</td><td>50.73(a)(2)(iv)</td><td>73.71(b)</td></tr><tr><td>20.405(a)(1)(i)</td><td>50.36(c)(1)</td><td>50.73(a)(2)(v)</td><td>73.71(e)</td></tr><tr><td>20.405(a)(1)(ii)</td><td>50.36(c)(2)</td><td>50.73(a)(2)(vii)</td><td><input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td></tr><tr><td>20.405(a)(1)(iii)</td><td>50.73(a)(2)(i)</td><td>50.73(a)(2)(viii)(A)</td><td>Environmental</td></tr><tr><td>20.405(a)(1)(iv)</td><td>50.73(a)(2)(ii)</td><td>50.73(a)(2)(viii)(B)</td><td>Tech Spec 2.3.4</td></tr><tr><td>20.405(a)(1)(v)</td><td>50.73(a)(2)(iii)</td><td>50.73(a)(2)(ix)</td><td></td></tr></table>	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(e)	20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)	20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	Environmental	20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	Tech Spec 2.3.4	20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	
20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)																						
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20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)																						
20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	Environmental																						
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	Tech Spec 2.3.4																						
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)																							

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
J. L. Rupp	AREA CODE 6 0 9 3 3 9 - 4 3 0 9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input checked="" type="checkbox"/>	<input type="checkbox"/>				

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

On April 16, 1984, it was discovered that the sample isolation valve from No. 23 Gas Decay Tank was inoperable, due to its air supply valve being closed. The air supply valve had been closed and tagged on March 28, 1983. The tag had been added to the "special instructions" section of the tagging request, and was overlooked when the request was released. The contents of No. 23 Gas Decay Tank was released on two occasions since that time. Environmental Technical Specifications require the tank contents to be sampled and analyzed prior to releases to the atmosphere. The pre-release samples were obtained as required; although, unknown to the chemist, the remote operated sample isolation valve remained shut. Consequently, the samples were drawn on a dead leg of piping, and were not representative of the tank contents. Both releases were, however, monitored by the radiation monitors, which verified that both releases were within prescribed limits. The occurrence therefore involved no undue risk to the health or safety of the public. A review of the Waste Gas Sampling System will be performed, for possible design changes to prevent recurrence. A revised release report will be submitted to the Commission. And, the tagging procedure will be revised to further clarify restrictions on placing blocking points in the special instructions of the tagging request.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Salem Generating Station Unit 2	DOCKET NUMBER 05000311	LER NUMBER 84-009-00	PAGE 2 OF 3
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PLANT AND SYSTEM IDENTIFICATION:

Westinghouse - Pressurized Water Reactor

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

IDENTIFICATION OF OCCURRENCE:

Waste Gas Disposal System - Non-representative Sample of No. 23 Gas Decay Tank Prior to Release of Contents

Event Dates: 08/30/83

02/16/84

Discovery Date: 04/16/84

Report Date: 05/16/84

This report was initiated by Incident Report No. 84-053

CONDITIONS PRIOR TO OCCURRENCE:

08/30/83 - Mode 5 - Rx Power 000 % - Unit Load 0000 MWe

02/16/84 - Mode 5 - Rx Power 000 % - Unit Load 0000 MWe

DESCRIPTION OF OCCURRENCE:

On April 16, 1984, it was discovered that the control air supply valve to 23WG42 (the sample isolation valve from No. 23 Gas Decay Tank) was tagged closed. Investigation revealed that the air supply valve (SV417) had been closed and tagged since March 28, 1983, rendering 23WG42 inoperable. Although the tagging request had been released, this single tag had not been removed. Further investigation revealed that the contents of No. 23 Gas Decay Tank [WE] was released on two occasions since that time, once on August 30, 1983, and once again on February 16, 1984. With 23WG42 inoperable, pre-release samples of No. 23 Gas Decay Tank were drawn on a dead leg of piping, and were therefore not representative of the tank contents. The actual releases were, however, monitored by the plant vent Radiation Monitors [IL] 2R16, 2R41A, 2R41B and 2R41C; which, verified that the releases were within allowable limits.

APPARENT CAUSE OF OCCURRENCE:

The air supply valve had been added to the "special instructions" section of the tagging request; and consequently, was overlooked when the tagging request was released.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Salem Generating Station Unit 2	DOCKET NUMBER 05000311	LER NUMBER 84-009-00	PAGE 3 OF 3
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ANALYSIS OF OCCURRENCE:

With 23WG42 closed, it was not possible to draw a sample on the gas decay tank contents. Therefore, an isotopic analysis of the contents was not possible. However, with the radiation monitors in service and functionally verified before the release, as directed by the release procedure, it can be shown that the off-site dose (resulting from discharges from the tank) were within prescribed limits. The occurrence therefore involved no undue risk to the health or safety of the public. Because the pre-release samples of No. 23 Gas Decay Tank were not representative of the tank contents, and the exact isotopic analysis could not be determined, the occurrence is reportable in accordance with Environmental Technical Specification 2.3.4.

CORRECTIVE ACTION:

With regard to quantification of the radioactive effluent from the waste gas decay tank releases (WGDT-2GDT-15-83, and WGDT-2GDT-05-84, occurring on August 30, 1983 and February 16, 1984 respectively), the plant vent monitor recorded release quantities of 0.9 and 0.09 curies of noble gas activity, respectively. Semi-annual Effluent Release Report RERR-15 accounts for this effluent. However, a review of the August 30, 1983 release and subsequent effluent reporting, revealed an over-reporting of gaseous radioactive effluent for that day. Due to a transcription error, a total of 24.6 curies of activity was reported, while only 3 curies was actually released (2.1 curies during a pressure relief, and 0.9 curies from No. 23 Gas Decay Tank). This transcription error will be formally corrected by correspondence to the Commission.

As previously stated, for the gas decay tank release of February 16, 1984, the plant vent monitor revealed a total release of 0.09 curies. This quantity will be reported in the next semi-annual effluent report. The isotopic composition of the noble gas mixes, for both releases, will be estimated from historic gas decay tank release data. The tagging procedure is being revised to further clarify restrictions on placing blocking points in the "special instructions" of the tagging request.

In addition, an engineering review of the Waste Gas Sampling System will be performed. Possible modifications may be required to ensure positive indication of sample flow from the Waste Gas Tanks; thereby, preventing recurrence. Appropriate action will be taken, based on the results of the review.

J. M. Zugboer
General Manager-
Salem Operations

JLR:tns

SORC Mtg 84-058



PSEG

Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

May 16, 1984

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

SALEM GENERATING STATION
LICENSE NO. DPR-75
DOCKET NO. 50-311
UNIT NO. 2
LICENSEE EVENT REPORT 84-009-00

This Licensee Event Report is being submitted pursuant to Environmental Technical Specification 2.3.4. The event was discovered on April 16, 1984. This report is required within thirty (30) days of discovery.

Sincerely yours,

J. M. Zupko, Jr.
General Manager -
Salem Operations

JR:k11 JGT

CC: Distribution

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