

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 7 2				PAGE (3) 1 OF 0 3									
TITLE (4) No. 14 Waste Gas Decay Tank - Inadvertent 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	7	0	8	8	5	8	5	0	0	7	0	0	0	8	0	7	8	5	0	5	0	0	0
OPERATING MODE (9) 1		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																					
POWER LEVEL (10) 1 0 0		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)									
		20.406(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)									
		20.406(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 305A)									
		20.406(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(viii)(A)													
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)													
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME J. L. Rupp-Operations Licensing Engineer										TELEPHONE NUMBER 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														
X	W	E	F	C	V		F	1	2	7	N												
SUPPLEMENTAL REPORT EXPECTED (14)																							
X YES (If yes, complete EXPECTED SUBMISSION DATE)										NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
														1	1	0	7	8	5				

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

On July 8, 1985, while leak checking the Waste Gas Analyzer System, No. 14 Waste Gas Decay Tank depressurized through the plant vent. The event was caused by seat leakage through LWG41 (Gas Decay Tank Vent Control Valve), which was being utilized as an isolation valve for the leak check. The plant vent monitors were operational, and the inadvertent release was monitored and recorded. Evaluation of the strip chart recorders revealed that the activity released was well within prescribed limits. The health or safety of the public or the environment was therefore not affected by this occurrence. However, because a pre-release sample was not obtained and analyzed as required by the Environmental Technical Specifications, the event is reportable in accordance with 10CFR 50.73(a)(2)(i)(B). There are presently no requirements to periodically leak test LWG41; however, engineering is presently investigating the Waste Gas Analyzer System design criteria, and determining the need for periodic testing. Based on the results, appropriate action will be taken, and a supplemental report will be issued outlining the corrective actions taken. The analyzer leak check procedure has been revised to require pre-release samples of the tanks prior to performing the leak testing. This will prevent recurrence of an unsampled release in the event that the WG41 valves leak during future gas analyzer testing.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Salem Generating Station	DOCKET NUMBER	LER NUMBER	PAGE
Unit 1	05000272	85-007-00	2 OF 3

PLANT AND SYSTEM IDENTIFICATION:

Westinghouse - Pressurized Water Reactor

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

IDENTIFICATION OF OCCURRENCE:

No. 14 Waste Gas Decay Tank - Inadvertent Release of Contents

Event Date: 07/08/85

Report Date: 08/07/85

This report was initiated by Incident Report No. 85-163

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100 % - Unit Load 1100 MWe

DESCRIPTION OF OCCURRENCE:

On July 8, 1985, leak checks of the Waste Gas Analyzer System [WE] were being performed in accordance with procedure CH-3.9.058 (Waste Gas Analyzer System Panel 106/925 Leak Check). This is a new procedure which was written following recent modifications to the Waste Gas Analyzer System, and was being performed for the first time. The purpose of the procedure is to verify integrity of solenoid sample valves supplying the Waste Gas Analyzer. At 1430 hours, it was discovered that the pressure in No. 14 Waste Gas Decay Tank had decreased from eighty-three (83) psig to ten (10) psig. Subsequent investigation revealed that the pressure in the tank had leaked through LWG41 (Gas Decay Tank Vent Control Valve) and out the plant vent. However, the plant vent Radiation Monitors [IL] were operational, and did monitor and record the release data.

APPARENT CAUSE OF OCCURRENCE:

The waste gas lines were pressurized from No. 14 Waste Gas Decay Tank up to LWG41, which was being utilized as the isolation valve. Leak rate tests were in progress on the solenoid valves which tap off just prior to this valve. The cause of this occurrence was attributed to seat leakage through LWG41 valve. This was verified the following day, July 9, 1985, when a leak check of LWG41 was performed. A low activity level waste gas decay tank was sampled and prepared for an approved release. LWG41 was shut and the tank isolation valves were opened. The pressure in the tank was then monitored and verified to be slowly decreasing. The plant vent monitors recorded an activity level which verified leakage through LWG41.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Salem Generating Station Unit 1	DOCKET NUMBER 05000272	LER NUMBER 85-007-00	PAGE 3 OF 3
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ANALYSIS OF OCCURRENCE:

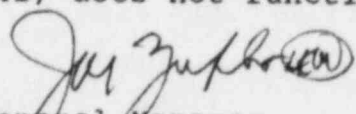
Evaluation of the Radiation Monitoring System [IL] strip chart recorders has provided the information required to determine the release rate, site boundary dose rate and the total activity released from No. 14 Waste Gas Decay Tank. It has been shown that the off-site dose resulting from the discharge was well within prescribed limits. In addition, no Radiation Monitoring System alarms were received during the release. The health or safety of the public or the environment was therefore not affected by this occurrence. Because this was an inadvertent release (unplanned), No. 14 Waste Gas Decay Tank was not sampled prior to releasing the contents. However, the Environmental Technical Specifications require samples to be obtained and analyzed prior to all releases, and the event is therefore reportable in accordance with the Code of Federal Regulations, 10CFR 50.73(a)(2)(i)(B).

CORRECTIVE ACTION:

The Technical Specifications do not presently require the WG41 valves associated with both Unit 1 and Unit 2 to be periodically tested, and no allowable leak-rates are established for these valves. Engineering is presently investigating the Waste Gas Analyzer System design criteria, and determining the need for periodic testing. Based on the results, appropriate action will be taken, and a supplemental report will be issued outlining the corrective actions taken.

Although the performance of the analyzer leak check procedure (CH-3.9.058) has been placed on hold pending completion of the engineering review, the procedure was revised. It now requires pre-release samples to be taken on the waste gas decay tanks prior to performing the leak testing. This will prevent recurrence of an unsampled release in the event that the WG41 valves leak during future gas analyzer testing.

A new administrative procedure (AP-32) has been written to delineate the new Technical Specification requirements (Unit 1 - Amendment No. 62, and Unit 2 - Amendment No. 33) regarding procedural reviews. AP-32 workshops are being conducted this month for Station Qualified Reviewers, department managers and procedure originators. A discussion of this event will be included in those workshops as an example of what should be anticipated during the procedure review process; i.e., what would happen if the isolation valve selected for a leak rate test (in this case 1WG41) does not function properly?


General Manager-
Salem Operations

JLR:tns

SORC Mtg 85-116



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

Salem Generating Station

August 7, 1985

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

Dear Sir:

SALEM GENERATING STATION
LICENSE NO. DPR-70
DOCKET NO. 50-272
UNIT NO. 1
LICENSEE EVENT REPORT 85-007-00

This Licensee Event Report is being submitted pursuant to the requirements of 10CFR 50.73(a)(2)(i)(B). This report is required within thirty days of discovery.

Sincerely yours,

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

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C Distribution

The Energy People

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