

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 1 1	PAGE (3) 1 OF 0 3
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TITLE (4)
Plant Vent Sample Pump Inoperable

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		
0 9	0 6	8 4	8 4	0 2 3	0 0	1 0	0 5	8 4	DOCKET NUMBER(S) 0 5 0 0 0		

OPERATING MODE (9) 3	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	50.36(e)(1)	50.73(a)(2)(v)	73.71(c)						
	20.406(a)(1)(ii)	50.36(e)(2)	50.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)						
	20.406(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	Environmental Tech. Specs.						
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)							
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)								

LICENSEE CONTACT FOR THIS LER (12)

NAME J. L. Rupp	TELEPHONE NUMBER
	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)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)
		MONTH: DAY: YEAR:

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

On September 7, 1984, the Plant Vent Sample Pump was found to be inoperable due to the remotely located switch being in the off position. The pump was last reported operating nineteen hours earlier. This pump provides the flow necessary for the iodine composite samples, which are required by the Environmental Technical Specifications (Table 2.3-2D, Environmental Release Points). The inoperability of this pump did not affect the operation of any of the plant vent monitors, and the plant vent was continuously monitored as required. The strip charts for the Plant Vent Iodine and the Gross Activity Monitors verify that there were no abnormal releases to the plant vent during the inoperable period of the sample pump. Although the reason for the switch being in the off position was not determined, appropriate corrective action has been taken to insure collection of representative samples. Present plans are to install a low flow alarm in the sample system to alert personnel to potential problems. In addition, the charcoal cartridge from the Plant Vent Iodine Monitor will be made available for use as a backup sample. This event involved no undue risk to the health or safety of the public. Because the composite sample does not reflect the inoperable period of the sample pump, the event is reportable in accordance with 10CFR 50.73(a)(2)(i)(B).

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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:

Plant Vent Sample Pump Inoperable.

Event Date: 09/06/84

Report Date: 10/05/84

This report was initiated by Incident Report No. 84-147

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 - Rx Power 000 % - Unit Load 0000 MWe

DESCRIPTION OF OCCURRENCE:

At 1030 hours, September 7, 1984, the switch for the Plant Vent Effluent Sample Pump [IL] was found in the "off" position. This pump provides the sample flow through the charcoal cartridge, which is used for the monthly and quarterly iodine composite samples, to ensure compliance with the Environmental Technical Specifications (Table 2.3-2 D, Environmental Release Points). The pump was last reported to be running at 1530 hours, on September 6, 1984.

On two previous occasions (July 19, 1984 and August 17, 1984) the sample flow was inadequate for obtaining a representative sample; the first occurrence was due to a loss of power to the sample pump, and the second occurrence was due to a disconnected sample hose connection. During those occurrences the appropriate environmental samples were obtained by acquiring and analyzing the 2R41B (Plant Vent Iodine Monitor) charcoal cartridge, and the events were therefore not reportable. However, during this occurrence (September 7, 1984), the 2R41B charcoal cartridge was unavailable for a backup analysis; therefore, a composite sample for the period from 1530 hours, September 6, 1984, to 1030 hours, September 7, 1984, was not obtained.

APPARENT CAUSE OF OCCURRENCE:

As stated, the switch for the Plant Vent Effluent Sample Pump was in the "off" position, although the reason has not been determined. The switch is remotely located in the Plant Vent Sample Shed, which is not normally occupied, and the event was not observed until an attempt was made to obtain the charcoal cartridge for a routine analysis.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Salem Generating Station	DOCKET NUMBER	LER NUMBER	PAGE
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APPARENT CAUSE OF OCCURRENCE: (cont'd)

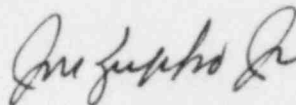
The 2R41B charcoal cartridge could not be used as a backup for the required composite sample, since it had been recently changed and the old cartridge discarded.

ANALYSIS OF OCCURRENCE:

The inoperability of the Plant Vent Effluent Sample Pump did not affect the operation of any of the plant vent monitors or associated alarms. The plant vent was continuously monitored as required. A review of the strip charts for the Plant Vent Iodine Monitor (2R41B) and the Plant Vent Gross Activity Monitor (2R16) verifies that there was no abnormal release to the plant vent during the inoperable period of the sample pump. This event therefore involved no undue risk to the health or safety of the public. Because the composite sample required by the Environmental Technical Specifications does not reflect the period (a maximum of nineteen hours) when the sample pump was inoperable, the event is reportable in accordance with the Code of Federal Regulations, 10CFR 50.73(a)(2)(i)(B).

CORRECTIVE ACTION:

When the first event involving loss of sample flow occurred on July 19, 1984, the Station began working on a Design Change Request to have a low flow alarm installed in the sample line. The Design Change Request has since been submitted; and in addition, contains a request for a sample flow totalizer. To prevent recurrence of an incomplete composite sample, the Inspection Order Card for the routine of changing the 2R41B charcoal cartridge will be amended to reflect retention of the old cartridge. This cartridge can then be used for a backup analysis in the event that the Plant Vent Sample Pump is inoperable.



General Manager-
Salem Operations

JLR:tms

SORC Mtg 84-137B



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

Salem Generating Station

October 5, 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 84-023-00

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 (30) days of discovery.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "J. M. Zupko, Jr.", is written above the typed name.

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

JR:k11

CC: Distribution

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