

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Salem Generating Station - Unit 2DOCKET NUMBER (2)
0 5 0 0 0 3 1 1 1 OF 0 3TITLE (4)
2B Diesel Generator Test FailureEVENT DATE (5)
MONTH DAY YEAR
0 7 0 6 8 5 8 5
LER NUMBER (6)
YEAR SEQUENTIAL NUMBER REVISION NUMBER
0 1 3 0 0
REPORT DATE (7)
MONTH DAY YEAR
0 8 0 5 8 5
OTHER FACILITIES INVOLVED (8)
FACILITY NAMES
DOCKET NUMBER(S)
0 5 0 0 0 0 0 0 0 0 0 0OPERATING MODE (9)
3
POWER LEVEL (10)
0 0 0
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)
20.402(b) 20.406(e) 80.73(a)(2)(iv) 73.71(b)
20.406(a)(1)(i) 80.38(e)(1) 80.73(a)(2)(v) 73.71(e)
20.406(a)(1)(ii) 80.38(e)(2) 80.73(a)(2)(vi) X OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii) 80.73(a)(2)(i) 80.73(a)(2)(vii)(A) Surveillance Requirement
20.406(a)(1)(iv) 80.73(a)(2)(iii) 80.73(a)(2)(vii)(B)
20.406(a)(1)(v) 80.73(a)(2)(iii) 80.73(a)(2)(x)LICENSEE CONTACT FOR THIS LER (12)
NAME
J. L. Rupp - Operations Licensing Engineer
TELEPHONE NUMBER
AREA CODE
6 0 9 3 3 9 - 4 3 0 9COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NPDs
X E K 7 4 1 G 10 8 10 NSUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

On July 6, 1985, during routine surveillance testing of 2B Diesel Generator, a generator field ground alarm was received approximately forty (40) minutes into the required sixty (60) minute run. In accordance with standard operating procedures, the operator immediately initiated a diesel shutdown. However, subsequent investigation verified that no generator ground was present, and the alarm was the result of a malfunctioning field ground relay; i.e., a mechanical latch alignment problem. 2B Diesel Generator surveillance was then completed satisfactorily. The field ground relay mechanical latch was aligned and the relay was satisfactorily tested. The field ground relays associated with each diesel generator provide alarms only. They do not provide any automatic protective function for the units. 2B Diesel Generator remained in an operable status at all times. This was classified as a non-valid test failure in accordance with Regulatory Guide 1.108, Regulatory Position C.2.e.(2). Because there have been no failures in the last one-hundred (100) valid tests, the testing interval remained at thirty-one (31) days in accordance with Regulatory Position C.2.d.(1). This report is being submitted for informational purposes, in accordance with Technical Specification Surveillance Requirement 4.8.1.1.4.

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PDR ADOCK 05000311
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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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:

2B Diesel Generator Test Failure

Event Date: 07/06/85

Report Date: 08/05/85

This report was initiated by Incident Report No. 85-162

CONDITIONS PRIOR TO OCCURRENCE:

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

This report describes a test failure involving 2B Diesel Generator [EK] occurring on July 6, 1985. This report is submitted for informational purposes in accordance with Technical Specification Surveillance Requirement 4.8.1.1.4, and contains the information required by Regulatory Guide 1.108, Revision 1, August 1977, Regulatory Position C.3.b.

Surveillance Requirement 4.8.1.1.4 states:

All diesel generator failures, valid or non-valid, shall be reported to the Commission pursuant to Specification 6.9.1.

DESCRIPTION OF OCCURRENCE:

On July 6, 1985, routine surveillance testing of 2B Diesel Generator was in progress in accordance with Technical Specification Surveillance Requirement 4.8.1.1.2. The diesel was synchronized and loaded following a satisfactory start and acceleration. Approximately forty (40) minutes into the required sixty (60) minute run, a generator field ground alarm was received. In accordance with standard operating procedures, the operator immediately initiated a diesel shutdown. Following initial investigations which revealed no generator fault, another test run was initiated while monitoring the generator, at which time, the field ground alarm was again received. However, electricians verified that no generator ground was present, and the alarm was invalid. The surveillance was then completed satisfactorily, during which time, the generator was monitored continuously.

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APPARENT CAUSE OF OCCURRENCE:

Investigation revealed that the alarm was the result of a malfunctioning field ground relay; i.e., a mechanical latch alignment problem.

ANALYSIS OF OCCURRENCE:

The field ground relays associated with each diesel generator provide alarms only. They do not provide any automatic protective function for the units, and therefore do not affect the operation of diesel generators. 2B Diesel Generator remained in an operable status at all times. As previously stated, this was a spurious field ground alarm caused by a malfunctioning relay, and the occurrence therefore involved no undue risk to the health or safety of the public.

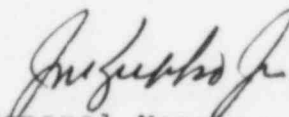
This was classified as a non-valid test failure in accordance with Regulatory Guide 1.108, Regulatory Position C.2.e.(2). Because there have been no failures in the last one-hundred (100) valid tests, the testing interval remained at thirty-one (31) days in accordance with Regulatory Position C.2.d.(1). This report is being submitted for informational purposes, in accordance with Technical Specification Surveillance Requirement 4.8.1.1.4.

CORRECTIVE ACTION:

The mechanical latch associated with 2B Diesel Generator field ground relay was aligned, and the relay was satisfactorily tested. As previously stated, the diesel generator surveillance was completed satisfactorily. No further corrective action was deemed necessary.

FAILURE DATA:

Field Ground Relay
General Electric
Model No. PJG-11F


General Manager-
Salem Operations

JLR:tns

SORC Mtg 85-112



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

Salem Generating Station

August 5, 1985

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 85-013-00

This Licensee Event Report is being submitted pursuant to the requirements of Technical Specification Surveillance Requirement 4.8.1.1.4. This report is required within thirty days of discovery.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "J. M. Zupko, Jr.", is written over the typed name.

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

JLR:tcs

C Distribution

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