

LICENSEE EVENT REPORT

CONTROL BLOCK: 

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 (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 11 L L S C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 0 0 0 4 57 CAT 58

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CONT

REPORT SOURCE L 6 0 5 0 0 0 3 7 1 3 7 1 1 1 1 8 8 3 2 1 2 1 6 8 3 9

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On 11/18/83 at 1945, while performing LTS-800-2, bus 142Y was de-energized & switchgear 136X equipment did not load-shed as required by Tech.Spec. 4.8.1.1.2.d.4.a.1. Manual control of switchgear 136X was available. Based on past tests, the diesel generator could apparently have handled a loss of off-site power incident without tripping 136X. No loss of power incident has occurred since the relay had last been successfully tested. Safe plant operation was maintained.

0	5	
0	6	

07

7	8	9	NAME	VALUE	8
0	8				

SYSTEM CODE (bits 9-10): 09

CAUSE CODE (bit 11): E

CAUS2 SUBCODE (bit 12): A

COMPONENT CODE (bits 13-18): RELAYX

COMP. SUBCODE (bit 19): D

VALVE SUBCODE (bit 20): Z

(17) LER/RO REPORT NUMBER 8 3 —

EVENT YEAR —

SEQUENTIAL REPORT NO. 1 4 8 /

OCCURRENCE CODE 0 3

REPORT TYPE L —

REVISION NO. 0

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-6 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
B	18	Z	19	Z	20	Z	21	0	0	0	0	y	23	n	24	n	25	G	0	8	0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The 136X undervoltage relay main contact had welded closed. The relay is a GE type  
1 1 IAV undervoltage relay. The weld was broken and the contacts burnished. The relay  
1 2 was tested successfully numerous times by itself. On November 23, 142Y was de-  
energized twice and 136X load shed properly each time.

1	3	
1	4	

FACILITY STATUS (28) 1 5 B 0 0 0 29 10 17 13 OTHER STATUS (30) NA 44 METHOD OF DISCOVERY (31) B 45 46 LTS-800-2 DISCOVERY DESCRIPTION (32)

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 2 3 3 4

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37) Z (38) NA				

7		8		9		11		12		13		
PERSONNEL INJURIES						DESCRIPTION (41)						
NUMBER												
1	2	0	0	0	0	40	NA					

7	8	9	11	12
LOSS OF OR DAMAGE TO FACILITY (43)				
TYPE DESCRIPTION				
1	9	Z	(42)	NA

7 8 9 10  
PUBLICATION  
ISSUED DESCRIPTION (45) NA  
8401130290 831216  
PDR ADOCK 05000373  
S PDR  
NRC USE ONLY

8401130290 831216  
PDR ADCK 05000373  
S PDR

NRC USE ONLY

815/357-6761

NAME OF PREPARER

PHONE:

J. J. Hietala

- I. LER NUMBER: 83-148/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373

IV. EVENT DESCRIPTION:

On November 18, at 1945, while performing LTS-800-2 (Load and Acceptance Test for the 1A Diesel Generator), bus 142Y was de-energized and switchgear 136X equipment did not trip on undervoltage as required by Technical Specification 4.8.1.1.2.d.4.a.1.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

Manual control of switchgear 136X was available at all times. The problem was isolated to the 136X undervoltage relay. Based on various tests on the diesel-generator, the maximum load on 136X, and emergency loads found during performance of LTS-100-10, it is believed that the diesel-generator could have supplied emergency loads even without load-shedding 136X. All other equipment load-shed as designed.

During the period since the last time the relay was tested until the failure occurred, offsite power was available at all times. Safe plant operation was maintained at all times.

VI. CAUSE:

The reason the undervoltage did not actuate was the main sensing contact had welded itself closed. When voltage was lost to the relay, it did not have enough force to break the contact and therefore it could not make the contact which would have provided load-shedding. The relay is a GE type IAV undervoltage relay.

VII. CORRECTIVE ACTION:

The contacts were separated and burnished per Work Request L29744. The relay was then tested numerous times while its associated test switches were open. On November 23, a Division II ECCS Response Time Test was performed and 136X load-shed as designed. Equipment on 136X was then returned to service.

This is not a recurring problem. No further action is required.

Prepared by: James J. Hietala



**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

Dm B

December 16, 1983

James G. Keppler  
Regional Administrator  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Sir:

Reportable Occurrence Report #83-148/03L-0 Docket #050-373 is being submitted to your office in accordance with LaSalle County Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation or plant shutdown required by a limiting condition for operation.

*CE Sargent*

G. J. Diederich  
for Superintendent  
LaSalle County Station

GJD/GW/rg

Enclosure

cc: Director of Inspection & Enforcement  
Director of Management Information & Program Control  
U.S. NRC Document Management Branch  
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File/NRC

DEC 19 1983

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