

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Zion StationDOCKET NUMBER (2)
0 5 0 0 0 2 9 5 1 OF 0 2

TITLE (4)

Inadvertant Trip of Reactor Trip Breakers While in Cold Shutdown

EVENT DATE (6)			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	6	0	3	8	5	8	5	0	2	1	0	5	0	0	0	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)															
POWER LEVEL (10)	0	0	0	20.402(b)	20.406(c)	X	50.73(a)(2)(iv)	73.71(b)									
				20.408(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)										
				20.408(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)										
				20.408(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)											
				20.408(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)											
				20.408(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)											

LICENSEE CONTACT FOR THIS LER (12)

NAME
Art Amoroso

TELEPHONE NUMBER

AREA CODE
3 1 2 7 4 6 - 2 0 8 4

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
A	J	D		Yes					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO ☐

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

While Unit 1 was in Cold Shutdown and the Reactor Trip Breakers were closed for PT-10C (Safeguards) testing, Instrument Bus 112 was switched from its alternate (dirty) power supply to its normal supply (inverter) and the momentary loss of power caused the Reactor Trip Breakers to open. Component cooling pump OE also autostarted on a Low Header Pressure signal which was false.

The breakers tripped on NIS Intermediate Range Hi Flux because the AC supply was momentarily interrupted and the trip could not be blocked in cold shutdown. The Electrical Distribution Procedure, ZED 2, had sufficient caution statements warning of a Reactor Trip with a loss of the bus if the source and intermediate range NIS trips were not blocked, but was not referenced prior to switching. There were no adverse effects on the plant.

A warning sign has been placed at the transfer switch to caution the operator to refer to the procedure prior to switching. No further action is required.

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PDR ADOCK 0500C295
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Zion Station	DOCKET NUMBER (2) 0 5 0 0 0 2 9 5 8 5 — 0 2 1 — 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

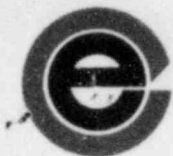
TEXT (If more space is required, use additional NRC Form 366A's) (17)

While Unit 1 was in Cold Shutdown during the Refueling Outage, the Reactor Trip Breakers were closed for PT-10C (Safeguards) testing. Instrument Bus 112 was being switched from its alternate (dirty) supply to its normal (inverter) supply. The transfer resulted in a momentary interruption in voltage which dropped the NIS Reactor Protection Relays for Intermediate Range Hi Flux Trip. Since neither Source nor Intermediate Range trips were blocked it resulted in tripping the Reactor Trip Breakers.

This action also deenergized a Component Cooling Low Header Pressure Relay which autostarted "OE" Component Cooling Pump.

The Instrument Bus Electrical Distribution Procedure, ZED 2, states that a Reactor Trip will result if Bus voltage is lost and Source or Intermediate range trips are not blocked. The procedure was not referenced prior to switching. The Reactor Trip Breakers should have been manually tripped open before transferring Bus 112 from alternate to normal supply.

Although this is not a recurring problem at Zion Station, signs have been placed close to the transfer switches to refer the operator to ZED 2 prior to switching. No further action is required.



Commonwealth Edison
Zion Generating Station
Shiloh Blvd. & Lake Michigan
Zion, Illinois 60099
Telephone 312/746-2084

July 3, 1985

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

References: 10CFR50

Dear Sir:

The enclosed Licensee Event Report from Zion Generating Station is being transmitted to you in accordance with the requirements of 10CFR50.73(a)(2)(iv) which requires a 30 day written report when an event results in automatic actuation of engineered safety features, including the Reactor Protection System.

This report is number 85-021-00, Docket No. 50-295/DPR-39.

Very truly yours,

K. L. Graesser
Station Manager
Zion Generating Station

KLG/rmm

Enclosure: Licensee Event Report No. 85-021-00

Attachment

cc: J. G. Keppler, NRC Region III Administrator
M. Holzmer, NRC Resident Inspector
INPO Record Center
CECo Distribution List

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