

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

Zion Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 2 9 5 1 OF 0 2

PAGE (3)

TITLE (4)

Missed Surveillances on Containment Isolation Valves

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	1	0	8	5	0	2	6	0	5	0	0	0		
0	7	1	0	8	5	0	2	6	0	5	0	0	0		

OPERATING MODE (9) 1

POWER LEVEL (10) 0.1919

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
John Hutsebaut, Tech Staff Engineer	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 NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS
D	PP			No					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
	X				

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

NRC Confirmatory Order dated February 29, 1980 requires local leak rate testing of certain containment isolation valves each time the unit is in a cold shutdown condition. The criteria are valves in systems which operate at less than accident pressure and are not supplied with penetration pressurization or valve sealing water systems must be tested. Modification M22-1-81-19 later removed the penetration pressurization supply from ten valves, but it was not realized that this would create the requirement to test them each cold shutdown. These valves were leak tested at the old periodicity of once each refueling outage.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1) Zion Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 9 5 8 5 - 0 2 6 - 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)

Annex 1 of NRC Confirmatory Order dated February 29, 1980 states that Commonwealth Edison is required to perform local leak tests prior to any startup from cold shutdown conditions of containment isolation valves not included in the following categories:

- a. Those valves continuously pressurized and monitored for leakage by the penetration pressurization system.
- b. Those valves which, under post-accident containment isolation conditions, are expected to be maintained continually at a pressure equal to or greater than the containment post accident pressure. This includes valves under isolation valve seal water and those in systems required for post-accident service if such systems operate at a pressure above containment post-accident pressure.

At the time the order was implemented a survey was conducted to determine which containment isolation valves should be tested each cold shutdown rather than only during refueling shutdowns. The new requirements were incorporated into TSS 15.6.10.e, the Type C leak rate tests procedure.

Modification M22-1-81-19, completed on July 16, 1981, removed the penetration pressurization air supply from valves 1FCV-PR24 A&B, 1SOV-PR25 A,B,C,&D, and 1SOV-PR26 A,B,C,&D. The purpose of the modification was to facilitate leak identification during Integrated Leak Rate Tests.

Removal of the penetration pressurization placed these ten valves in the category of valves which must be tested each cold shutdown, but this fact was not realized until 7/10/85.

Since completion of the modification, Unit 1 has had three cold shutdowns (1/18/84, 1/21/84, and 9/20/84) during which these valves should have been tested per the confirmatory order but were not.

The root cause of the problem was inadequate procedural review in that performance of the modification should have changed the testing frequencies in TSS 15.6.10.e.

A procedural change has been submitted to TSS 15.6.10.e to test these valves each cold shutdown.

In addition, a modification will be submitted to restore the Unit 1 PP system to it's original configuration.

The valves in question were tested in November 1983 and found to have a combined leak rate of 5.1 SCFH and again in May 1985 for a combined leak rate of 21.6 SCFH. Both of these leak rates are considered satisfactory.

No further action is required.



Commonwealth Edison

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

August 8, 1985

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

References: 10CFR50
NRC Confirmatory Order dated February 29, 1980

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)(i) which requires a 30 day written report when there has been an operation or condition prohibited by the plant's Technical Specifications.

This report is number 85-026-00, Docket No. 50-295/DPR-39.

Very truly yours,

J. A. Rock

for

K. L. Graesser
Station Manager
Zion Generating Station

KLG/rmm

Enclosure: Licensee Event Report No. 85-026-00

Attachment

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

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