

LICENSEE EVENT REPORT (LER)																							
Facility Name (1) Zion, Unit 1												Docket Number (2) 0 5 0 0 0 2 9 5				Page (3) 1 of 0 3							
Title (4) 1B Diesel Generator Aircraft Fire Damper Failed to Close																							
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 3	0 3	8 6	8 6	---	0 0 9	---	0 0	0 4	0 1	8 6	Zion, Unit 2				0 5 0 0 0 3 0 4								
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)																				
POWER LEVEL (10) 0 9 9			<input type="checkbox"/> 20.402(b)					<input type="checkbox"/> 20.405(c)					<input type="checkbox"/> 50.73(a)(2)(iv)					<input type="checkbox"/> 73.71(h)					
			<input type="checkbox"/> 20.405(a)(1)(i)					<input type="checkbox"/> 50.36(c)(1)					<input type="checkbox"/> 50.73(a)(2)(v)					<input type="checkbox"/> 73.71(c)					
			<input type="checkbox"/> 20.405(a)(1)(ii)					<input checked="" type="checkbox"/> 50.36(c)(2)					<input type="checkbox"/> 50.73(a)(2)(vii)					Other (Specify in Abstract below and in Text)					
			<input type="checkbox"/> 20.405(a)(1)(iii)					<input type="checkbox"/> 50.73(a)(2)(i)					<input type="checkbox"/> 50.73(a)(2)(viii)(A)										
			<input type="checkbox"/> 20.405(a)(1)(iv)					<input type="checkbox"/> 50.73(a)(2)(ii)					<input type="checkbox"/> 50.73(a)(2)(viii)(B)										
<input type="checkbox"/> 20.405(a)(1)(v)					<input type="checkbox"/> 50.73(a)(2)(iii)					<input type="checkbox"/> 50.73(a)(2)(x)													
LICENSEE CONTACT FOR THIS LER (12)																							
Name Stan Berczynski, Technical Staff Engineer												Ext. 349						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	MANUFAC-TURER	REPORTABLE TO NPRDS	///	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	///												
X	V K	D M P	P 3 2 6	N	///						///												
SUPPLEMENTAL REPORT EXPECTED (14)												Expected Submission Date (15)						Month Day Year					
<input type="checkbox"/> Yes (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO											
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																							

On March 3, 1986 while performing PT-210, Aircraft Fire Detection System Test, it was observed that the ventilation fan outlet damper for the 1B Diesel Generator room failed to close upon receiving an actuation signal from the fire detection system. The room fan, however, did trip off as required. A fire watch was immediately posted in the 1B D/G room and an investigation started. The investigation found that the damper was mechanically binding due to a damper arm-damper actuator shaft coupling pin that had backed out and was jamming against a damper actuator mounting bracket bolt thus preventing damper stroking. The pin was then locked in its proper position and proper damper stroking verified per PT-210. Unit 1 was at 99.5 % power and operating normally at the time.

B604090265 860401
PDR ADOCK 05000295
S PDR

IE22
1/1

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)					Page (3)		
		Year	/// /// ///	Sequential Number	/// /// ///	Revision Number			
Zion, Unit 1	0 5 0 0 0 2 9 5	8 6	-	0 0 9	-	0 0	0 2	OF	0 3

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [xx]

A. PLANT CONDITIONS PRIOR TO EVENT:

MODE 1 - Power Operation RX Power 99.5% RCS [AB] Temperature/Pressure 560°F /2230 psig

B. DESCRIPTION OF EVENT:

On March 3, 1986 while performing PT-210 it was observed that the fan outlet damper for 1B D/G room failed to close upon receiving an actuation signal from the fire detection system. The room fan, however, did trip off as required. A fire watch was immediately posted in the 1B D/G room and an investigation started.

C. CAUSE OF EVENT:

Upon investigation it was found that the pin which couples the damper arm to the damper actuator shaft had partially backed out and was jamming against a damper actuator mounting bracket bolt when the damper attempted to stroke closed thus prohibiting motion to close. The pin had partially backed out because one of its C-clips, which prevents the pin from moving in or out, was gone. It could not be determined whether the C-clip had fallen out or was just never put in.

D. SAFETY ANALYSIS:

Although the damper remained open, the fan did trip off and a fire watch was posted as required by Technical Specifications.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				Page (3)			
		Year	/// /// ///	Sequential Number	/// /// ///	Revision Number			
Zion, Unit 1	0 5 0 0 0 2 9 5	8 6	-	0 0 9	-	0 0	0 3	OF	0 3

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [xx]

E. CORRECTIVE ACTIONS:

The coupling pin was drilled and tapped and oversized washers bolted on both its end to prevent the pin from backing out once it was in place. Once this was done the fire detection test was repeated and this time the damper successfully closed and fan tripped off upon fire detection system actuation.

F. PREVIOUS OCCURRENCES:

Records do not indicate coupling pin problems as being causes for previous damper stroking failures during aircraft fire detection system tests.

G. COMPONENT FAILURE DATA:

<u>MANUFACTURER</u>	<u>NOMENCLATURE</u>	<u>MODEL NUMBER</u>	<u>MG PART NUMBER</u>
Powers Controls	Damper	-	-



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

April 1, 1986

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

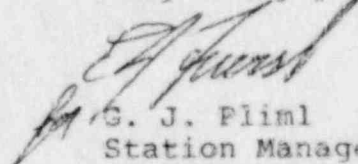
References: 10CFR50

Dear Sir:

The enclosed Licensee Event Report from Zion Generating Station is being transmitted to you in accordance with the requirements of 10CFR50.36(c)(2) which requires a 30 day written report when there has been a failure to meet a Technical Specification Limiting Condition for Operation.

This report is number 86-009-00, Docket number 50-295/DPR-39.

Very truly yours,


G. J. Pliml
Station Manager
Zion Generating Station

GJP/rm

Enclosure: Licensee Event Report No. 86-009-00

Attachment

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

IE22
1/1