



**Commonwealth Edison**

Zion Generating Station  
101 Shiloh Blvd.  
Zion, Illinois 60099  
Telephone 312/746-2084

November 15, 1989

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

Dear Sir:

The enclosed Licensee Event Report number 89-16-00, Docket No. 50-295/DPR-39 from Zion Generating Station is being transmitted to you in accordance with the requirements of 10CFR50.73(a)(2)(1)(B), which requires a 30 day written report when any condition or activity occurs that is prohibited by the plant's Technical Specifications.

Very truly yours,

f T. P. Joyce  
Station Manager  
Zion Generating Station

TPJ/or

Enclosure: Licensee Event Report

cc: NRC Region III Administrator  
NRC Resident Inspector  
INPO Record Center  
CECo Distribution List

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PDR ADOCK 05000295  
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LICENSEE EVENT REPORT (LER)

Form Rev 2.0

Facility Name (1) Zion Unit 1						Docket Number (2) 0 5 10 10 10 12 19 15			Page (3) 1 of 0 2		
Title (4)											

Fuel Handling SRO Did Not Meet Requirements of 10CFR55.53 Due to Lack of Controls

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 9	1 9	8 9	8 9	0 1 6	0 0	1 1	1 5	8 9	N/A		

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

OPERATING MODE (9) 6	<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(b)
POWER LEVEL (10) 0 0 0	<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 type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> Other (Specify in Abstract below and in Text)
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" 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 Guy Levy, Regulatory Assurance	ext. 201	TELEPHONE NUMBER AREA CODE 7 0 8 7 4 6 -12 10 18 14
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
				N					

SUPPLEMENTAL REPORT EXPECTED (14)

Expected Submission Date (15)	Month	Day	Year
<input checked="" type="checkbox"/> Yes (If yes, complete EXPECTED SUBMISSION DATE)			

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

From 9/19/89 to 9/21/89, Unit 1 was in Mode 6, Refueling, with core off-load in progress. On 10/16/89, in a meeting with the Assistant Superintendent Operating (ASO), a Senior Reactor Operator limited to fuel handling (SROL) realized that he did not meet the conditions of 10CFR55.53, which caused him to be in violation of Technical Specification 3.13.1.A.6. during the period 9/19/89 through 9/21/89.

The root cause of the event is the lack of administrative control regarding the activity of SROLs.

The experience level of the SROL involved (20 refuelings) was such that the health and safety of the general public were not compromised.

The actions taken to administratively control the SROL proficiency requirements include two procedure changes to the Fuel Handling Instructions to either verify proficiency or take the actions prescribed in 10CFR55.53.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Form Rev 2.0

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   9	-   0   1   6	-   0   0	0   2	OF	0   2

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

A. CONDITION PRIOR TO EVENT

MODE 6 - Refueling RX Power 0% RCS [AB] Temperature/ Pressure -- °F/ -- psig

B. DESCRIPTION OF EVENT

From 9/19/89 to 9/21/89, Unit 1 was in Mode 6, Refueling, with core off-load in progress. On 10/16/89, in a meeting with the Assistant Superintendent Operating (ASO), a Senior Reactor Operator limited to fuel handling (SROL) realized that he did not meet the conditions of 'actively performing the functions of . . . a senior operator' as prescribed in 10CFR55.53(e) during the period 9/19/89 through 9/21/89. In order to regain the proficiency required, the SROL was required to stand one shift performing the SROL duties under the direction of a senior operator as prescribed in 10CFR55.53(f)(2) prior to supervising fuel movement. The required proficiency shift under direction was not performed. By not meeting the proficiency requirements, the SROL, although properly licensed in accordance with the other requirements of 10CFR55.53, did not meet the requirements to perform the SROL duties required in Technical Specification 3.13.1.A.6.

C. APPARENT CAUSE OF EVENT

The root cause of the event is the lack of administrative control regarding the activity of SROLs. There were no requirements other than relying on the memory of the operators and the ASO to complete the required shift operations.

D. SAFETY ANALYSIS OF EVENT

The safety significance of the event was minimal. The station has only two SROL licensed individuals, one of which is an Assistant Superintendent who no longer routinely supervises fuel movement activities. The SROL involved in this event has been performing SROL duties for approximately ten years and fuel handler duties since 1973. This experience translates to 20 refuelings including the initial core load for Unit 2. The requirements of 10CFR55.53 were instituted in March, 1987. The SROL has only missed the activity requirements this refueling. The experience level of the SROL involved was such that the health and safety of the general public were not compromised.

E. CORRECTIVE ACTIONS

The immediate corrective action was to notify the ASO. The actions taken to administratively control the SROL proficiency requirements include two procedure changes. Procedure FHI-00, Administrative Controls During Refueling, has been revised to add a verification that the SROL meets the requirements of 10CFR55.53. FHI-38, Fuel Shuffle, Initial Conditions section has been revised to add a signoff by the ASO to verify that either SROL requirements are met, or the required watchstanding for one shift with an SRO has been completed.

F. PREVIOUS EVENTS

There have been no previous occurrences of license holders performing license duties without meeting the proficiency requirements.

G. COMPONENT FAILURE DATA

None