



March 1, 2007

10 CFR 50.73(a)(2)(i)(B)

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Palisades Nuclear Plant  
Docket 50-255  
License No. DPR-20

Licensee Event Report 07-001, Failure to Perform Offsite Power Source Check

Licensee Event Report (LER) 07-001 is enclosed. The LER describes the failure to perform an offsite power source check in accordance with Technical Specification requirements when one offsite electrical source was inoperable. This occurrence is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by the Technical Specifications.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

Paul A. Harden  
Site Vice President, Palisades Nuclear Plant  
Nuclear Management Company, LLC

Enclosure (1)

CC Administrator, Region III, USNRC  
Project Manager, Palisades, USNRC  
Resident Inspector, Palisades, USNRC

**ENCLOSURE 1**

**LER 07-001, Failure to Perform Offsite Power Source Check**

3 Pages Follow

<b>NRC FORM 366</b> <b>U.S. NUCLEAR REGULATORY COMMISSION</b> (6-2004)	<b>APPROVED BY OMB NO. 3150-0104</b>	<b>EXPIRES 6-30-2007</b>
<b>LICENSEE EVENT REPORT (LER)</b>  (See reverse for required number of digits/characters for each block)		
Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0066), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.		

<b>FACILITY NAME (1)</b> <b>Palisades Nuclear Plant</b>	<b>DOCKET NUMBER (2)</b> <b>05000-255</b>	<b>PAGE (3)</b> <b>1 of 3</b>
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**TITLE (4)**  
**Failure to Perform Offsite Power Source Check**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER	
01	04	2007	2007	-- 001	-- 00	03	01	2007	FACILITY NAME	DOCKET NUMBER	
<b>OPERATING MODE (9)</b>		<b>1</b>		<b>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73(a)(2)(ix)(A): (Check all that apply) (11)</b>							
<b>POWER LEVEL (10)</b>		<b>100</b>		20.2201(b)		20.2203(a)(3)(ii)		50.73(a)(2)(ii)(B)		50.73(a)(2)(ix)(A)	
				20.2201(d)		20.2203(a)(4)		50.73(a)(2)(iii)		50.73(a)(2)(x)	
				20.2203(a)(1)		50.36(c)(1)(i)(A)		50.73(a)(2)(iv)(A)		73.71(a)(4)	
				20.2203(a)(2)(i)		50.36(c)(1)(ii)(A)		50.73(a)(2)(v)(A)		73.71(a)(5)	
				20.2203(a)(2)(ii)		50.36(c)(2)		50.73(a)(2)(v)(B)		OTHER Specify in Abstract below or in NRC Form 366A	
				20.2203(a)(2)(iii)		50.46(a)(3)(ii)		50.73(a)(2)(v)(C)			
				20.2203(a)(2)(iv)		50.73(a)(2)(i)(A)		50.73(a)(2)(v)(D)			
				20.2203(a)(2)(v)	<b>X</b>	50.73(a)(2)(i)(B)		50.73(a)(2)(vii)			
				20.2203(a)(2)(vi)		50.73(a)(2)(i)(C)		50.73(a)(2)(viii)(A)			
				20.2203(a)(3)(i)		50.73(a)(2)(ii)(A)		50.73(a)(2)(viii)(B)			

**LICENSEE CONTACT FOR THIS LER (12)**

<b>NAME</b> <b>Daniel G. Malone</b>	<b>TELEPHONE NUMBER (Include Area Code)</b> <b>(269) 764-2463</b>
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**COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)**

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX
<b>B</b>	<b>EB</b>	<b>TTC</b>		<b>Y</b>					

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE).	<b>X</b>	NO					

**ABSTRACT**

On January 4, 2007, an evaluation of the past operability status of startup transformer 1-2 was concluded for the period between May 16, 2006, and May 22, 2006. The results of the evaluation of past operability for startup transformer 1-2 during this period were that startup transformer 1-2 should have been declared inoperable on three separate occasions based on the recorded output voltage of the transformer. The inoperable periods occurred on May 18, May 19 and May 22; with the duration of each inoperable period not exceeding 16 hours.

Startup transformer 1-2 is associated with one of the two credited offsite power sources required by Technical Specification (TS) Limiting Condition For Operation (LCO) 3.8.1, "AC Sources – Operating." Consequently, during the three identified periods of inoperability, TS LCO 3.8.1.A for one offsite circuit inoperable was applicable. However, since the startup transformer's past periods of inoperability were not recognized at the time, the required action of TS LCO 3.8.1.A.1 to perform an offsite source check for the operable offsite circuit was not performed in accordance with the specified completion time of 1 hour and once per 8 hours thereafter.

The failure to perform the offsite source check within the specified completion time is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications.

**LICENSEE EVENT REPORT (LER)**  
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
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		<b>2007</b>	<b>-- 001</b>	<b>-- 00</b>	

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

**EVENT DESCRIPTION**

On May 22, 2006, the automatic load tap changer for startup transformer 1-2 [XFMR;EB] was noted to be non-functional. Upon discovery, the startup transformer was declared inoperable until repairs were completed. Subsequently, it was recognized that past operability of startup transformer 1-2 needed to be conducted for the period of time that the startup transformer's automatic load tap changer was not functioning; which was determined to be the period between May 16, 2006, and May 22, 2006.

On January 4, 2007, the evaluation of the past operability status of startup transformer 1-2 was concluded. The results of the evaluation were that startup transformer 1-2 should have been declared inoperable on three separate occasions, based on the recorded output voltage of the transformer. The inoperable periods occurred on May 18, May 19 and May 22; with the duration of each inoperable period not exceeding 16 hours.

Startup transformer 1-2 is associated with one of the two credited offsite power sources required by Technical Specification (TS) Limiting Condition For Operation (LCO) 3.8.1, "AC Sources – Operating." Consequently, during the three identified periods of inoperability, TS LCO 3.8.1.A for one offsite circuit inoperable was applicable. However, since the startup transformer's past periods of inoperability were not recognized at the time, the required action of TS LCO 3.8.1.A.1 to perform an offsite source check for the operable offsite circuit was not performed in accordance with the specified completion time of 1 hour and once per 8 hours thereafter.

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**CAUSE OF THE EVENT**

The failure of the automatic load tap changer was attributed to mechanical binding internal to interlocked contactors.

**CORRECTIVE ACTIONS**

An extent of condition review was performed. No other similar components were identified.

The raise/lower contactor set for the automatic load tap changer was replaced and tested satisfactorily.

# LICENSEE EVENT REPORT (LER)

## TEXT CONTINUATION

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

### SAFETY SIGNIFICANCE

The safety significance of this occurrence is considered to be minimal. The intent of the offsite source check is to ensure a highly reliable power source remains with one offsite circuit inoperable by verifying the operability of the remaining required offsite circuit on a more frequent basis. Although not verified in accordance with the TS requirements, the remaining offsite source and both emergency diesel generators were operable during each of the three periods of inoperability of startup transformer 1-2.

### PREVIOUS SIMILAR EVENTS

None