

10 CFR 50.73

October 2, 2003

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

PALISADES NUCLEAR PLANT
DOCKET 50-255
LICENSE DPR-20
LICENSEE EVENT REPORT 03-005, EMERGENCY DIESEL GENERATORS START
ON LOW VOLTAGE CONDITION

Licensee Event Report (LER) 03-005 is attached. The LER describes a start of the emergency diesel generators on a low voltage condition. This event is reportable in accordance with 10 CFR 50.73(a)(2)(iv)(A).

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



Daniel J. Malone
Site Vice President, Palisades Nuclear Plant

CC Regional Administrator, USNRC, Region III
 Project Manager, Palisades Nuclear Plant, USNRC, NRR
 NRC Resident Inspector – Palisades Nuclear Plant

Attachment

IE22

LICENSEE EVENT REPORT (LER)

(See reverse for required number of
digits/characters for each block)

APPROVED BY OMB NO. 3150-0104

EXPIRES 7-31-2004

Estimated burden per response to comply with this mandatory information 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 Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose 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.

1. FACILITY NAME

PALISADES NUCLEAR PLANT

2. DOCKET NUMBER

05000255

3. PAGE

1 OF 2

4. TITLE

EMERGENCY DIESEL GENERATORS START ON LOW VOLTAGE CONDITION

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
08	14	2003	2003	- 005	- 00	10	02	2003	FACILITY NAME	DOCKET NUMBER
9. OPERATING MODE		1	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)							
10. POWER LEVEL		100	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)		x	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	
			20.2203(a)(2)(iii)		50.46(a)(3)(ii)		50.73(a)(2)(v)(C)		Specify in Abstract below or in NRC Form 366A	
			20.2203(a)(2)(iv)		50.73(a)(2)(i)(A)		50.73(a)(2)(v)(D)			
			20.2203(a)(2)(v)		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)(vii)(A)			
			20.2203(a)(3)(i)		50.73(a)(2)(ii)(A)		50.73(a)(2)(vii)(B)			

12. LICENSEE CONTACT FOR THIS LER

NAME

Barb Dotson, Compliance Analyst

TELEPHONE NUMBER (Include Area Code)

(269) 764-2265

13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX

14. SUPPLEMENTAL REPORT EXPECTED

YES (If yes, complete EXPECTED SUBMISSION DATE) X NO

15. EXPECTED SUBMISSION DATE

MONTH DAY YEAR

16. ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On August 14, 2003, at approximately 1607 hours EDT, with the plant operating at 100% power, an electrical power grid disturbance occurred, resulting in a momentary lowering of voltage on both 2400 volt safety related buses 1C and 1D. The reduced voltage on the 2400 volt buses caused both emergency diesel generators to start. However, the 2400 volt safety related buses remained energized from offsite power throughout the event. Local grid conditions stabilized within approximately five minutes. The diesel generators were secured at 1650 hours EDT. The plant remained at full power throughout the event.

This event is reportable in accordance with 10 CFR 50.73(a)(2)(iv)(A) as an automatic actuation of the emergency AC electrical power system.

LICENSEE EVENT REPORT (LER)

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
PALISADES NUCLEAR PLANT	05000255	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 2
		2003	- 005	- 00	

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

EVENT DESCRIPTION

On August 14, 2003, at approximately 1607 hours EDT, with the plant operating at 100% power, an electrical power grid disturbance occurred, resulting in a momentary lowering of voltage on both 2400 volt safety related buses [BU;EB] 1C and 1D. The reduced voltage on the 2400 volt buses caused both emergency diesel generators [DG;EK] to start. However, the 2400 volt safety related buses remained energized from offsite power throughout the event. Local grid conditions stabilized within approximately five minutes. The diesel generators were secured at 1650 hours EDT. The plant remained at full power throughout the event.

This event is reportable in accordance with 10 CFR 50.73(a)(2)(iv)(A) as an automatic actuation of the emergency AC electrical power system [EK].

CAUSE OF THE EVENT

The emergency diesel generators started, as designed, when undervoltage was sensed on the 2400 volt safety related buses.

SAFETY SIGNIFICANCE

As described above, all equipment functioned as designed. The safety significance of this event was minimal.

CORRECTIVE ACTIONS

No corrective actions were required to be taken at the plant as a result of this event.

PREVIOUS SIMILAR EVENTS

LER 98-013, "Safeguards Transformer Tap Changer Failure Causes Inadvertent Diesel Generator Start."

LER 00-003, "Inadvertent Closure of Emergency Diesel Generator 1-1 Output Breaker."

LER 03-003, "Loss of Shutdown Cooling and Emergency Diesel Generator Start."