

July 16, 2004

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

**Subject: Docket Nos. 50-361, 50-362  
Licensee Event Report No. 2004-003  
San Onofre Nuclear Generating Station, Units 2 and 3**

Gentlemen:

This submittal provides Licensee Event Report (LER) 2004-003. The LER describes a momentary loss of operability of the offsite power grid at San Onofre Units 2 and 3 due to a 230 kV transmission line fault in Arizona.

Any actions listed are intended to ensure continued compliance with existing commitments as discussed in applicable licensing documents; this LER contains no new commitments. If you require any additional information, please so advise.

Sincerely,

*Raymond Waldo*

**LER No. Units 2 and 3 2004-003**

**cc: B. S. Mallett, NRC Regional Administrator, Region IV  
C. C. Osterholtz, NRC Senior Resident Inspector, San Onofre Units 2 & 3**

<b>NRC FORM 366</b> (7-2001)	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB NO. 3150-0104</b> <small>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 bjs@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.</small>	<b>EXPIRES 7-31-2004</b>
<b>LICENSEE EVENT REPORT (LER)</b> <small>(See reverse for required number of digits/characters for each block)</small>			

<b>1. FACILITY NAME</b> San Onofre Nuclear Generating Station (SONGS) Unit 2	<b>2. DOCKET NUMBER</b> 05000-361	<b>3. PAGE</b> 1 OF 1
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**4. TITLE**  
**Momentary Loss of Operability of the Offsite Power Grid due to a 230 kV Transmission Line Fault in Arizona**

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
06	14	2004	2004	003-00		07	16	2004	SONGS 3	05000-362
									FACILITY NAME	DOCKET NUMBER

<b>9. OPERATING MODE</b>	1	<b>11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)</b>								
<b>10. POWER LEVEL</b>	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)	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)	<b>OTHER</b> 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)	<input checked="" type="checkbox"/> 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)(viii)(A)						
20.2203(a)(3)(i)	50.73(a)(2)(ii)(A)	50.73(a)(2)(viii)(B)								

**12. LICENSEE CONTACT FOR THIS LER**

<b>NAME</b> R. W. Waldo, Station Manager, Nuclear Generation	<b>TELEPHONE NUMBER (include Area Code)</b> 949-368-8725
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**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
				N					

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

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

On 06/14/2004 at 0741 PDT, with both units near full power, the offsite power grid [FK] connected to San Onofre experienced a system disturbance. Alarms [ALM] alerted control room Operators (utility, licensed) that grid frequency dipped below 59.7 Hz. The lowest frequency was a momentary dip to about 59.5 Hz. The grid returned to normal frequency bands within three minutes, remaining stable thereafter. Units 2 and 3 were otherwise unaffected by the grid disturbance.

Southern California Edison (SCE) declared offsite power inoperable per its operating procedures. NUREG 1022, Revision 2 indicates offsite power unavailability is reportable regardless of whether other electrical power systems are available. SCE reported this event to the NRC Operations Center (Log No. 40818) in accordance with 10 CFR 50.72(b)(3)(v)(D). This report is provided in accordance with 10 CFR 50.73(a)(2)(v)(D).

The grid disturbance was initiated by a failed insulator [INS] on a 230 kV transmission line outside Phoenix, AZ. The failed insulator caused a 230 kV transmission line to fall into a transmission tower and short circuit.

No corrective actions are required. As the diesel generators [DG] for both units were operable during this event, there was little safety significance to this event. SONGS Units 2 and 3 have not previously experienced loss of offsite power due to offsite grid disturbances.