



Daniel P. Breig, P.E.
Station Manager
San Onofre

January 13, 2005

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

Subject: **Docket No. 50-362**
Licensee Event Report No. 2004-003
San Onofre Nuclear Generating Station, Unit 3

Gentlemen:

This submittal provides Licensee Event Report (LER) 2004-003 for an invalid actuation of an Emergency Diesel Generator due to an invalid signal.

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,

A handwritten signature in cursive script that reads "Daniel P. Breig".

LER No. 3-2004-003

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

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949-368-9263/PAX 89263
Fax 949-368-6183
breigdp@songs.sce.com

Handwritten initials "JE22" in a stylized, slanted font.

LICENSEE EVENT REPORT (LER)

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

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.

1. FACILITY NAME San Onofre Nuclear Generating Station (SONGS) Unit 3	2. DOCKET NUMBER 05000-362	3. PAGE 1 OF 1
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4. TITLE
Invalid Actuation of Emergency Diesel Generator due to an Invalid Signal

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED																																																																																																																						
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9. OPERATING MODE 6 <table border="1"> <tr> <td colspan="11">11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2201(b)</td> <td colspan="3">20.2203(a)(3)(ii)</td> <td colspan="2">50.73(a)(2)(ii)(B)</td> <td colspan="1">50.73(a)(2)(ix)(A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2201(d)</td> <td colspan="3">20.2203(a)(4)</td> <td colspan="2">50.73(a)(2)(iii)</td> <td colspan="1">50.73(a)(2)(x)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(1)</td> <td colspan="3">50.36(c)(1)(i)(A)</td> <td colspan="2"><input checked="" type="checkbox"/> 50.73(a)(2)(iv)(A)</td> <td colspan="1">73.71(a)(4)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(i)</td> <td colspan="3">50.36(c)(1)(ii)(A)</td> <td colspan="2">50.73(a)(2)(v)(A)</td> <td colspan="1">73.71(a)(5)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(ii)</td> <td colspan="3">50.36(c)(2)</td> <td colspan="2">50.73(a)(2)(v)(B)</td> <td colspan="1" rowspan="5">OTHER Specify in Abstract below or in NRC Form 366A</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(iii)</td> <td colspan="3">50.46(a)(3)(ii)</td> <td colspan="2">50.73(a)(2)(v)(C)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(iv)</td> <td colspan="3">50.73(a)(2)(i)(A)</td> <td colspan="2">50.73(a)(2)(v)(D)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(v)</td> <td colspan="3">50.73(a)(2)(i)(B)</td> <td colspan="2">50.73(a)(2)(vii)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(2)(vi)</td> <td colspan="3">50.73(a)(2)(i)(C)</td> <td colspan="2">50.73(a)(2)(viii)(A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">20.2203(a)(3)(i)</td> <td colspan="3">50.73(a)(2)(ii)(A)</td> <td colspan="2">50.73(a)(2)(viii)(B)</td> <td colspan="1"></td> </tr> </table>											11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)														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)			<input checked="" type="checkbox"/> 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)		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)		
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12. LICENSEE CONTACT FOR THIS LER

NAME Daniel P. Breig, Station Manager, Nuclear Generation	TELEPHONE NUMBER (Include Area Code) (949) 368-9263
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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					

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

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

On 12/2/2004 at about 0247 PST, with Unit 3 defueled, Emergency Diesel Generator (EDG) (EK) 3G002 actuated. This report is being made under 50.73(a)(2)(iv)(A) for an invalid actuation of an EDG due to an invalid signal.

A Test Technician performing planned work in an Engineered Safety Features (ESF) Actuation System (JE) relay cabinet attempted to "jumper out" sections of the ESF actuation circuits to prevent actuation of certain ESF components. Instead, the jumper caused a momentary transient on the circuit power supplies and the resulting voltage dip was sufficient to actuate the EDG from the SIAS relay. The EDG functioned as designed.

This event was caused by personnel error. As an immediate corrective action, SCE now requires the use of jumpers to be preplanned. SCE is completing a review of maintenance work processes to determine if alternate or additional program enhancements are needed.

Since actual plant conditions did not require actuation of the EDG, this is an invalid actuation resulting from an invalid signal. At the time of this event, Unit 2 was operating at about 100 percent power and Unit 3 was in a refueling outage. There was no safety significance to this event. In the past 3 years, SCE has not reported any events of invalid EDG actuations due to an invalid signal.