

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2	DOCKET NUMBER (2) 050003611	PAGE (3) 1 OF 012
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TITLE (4)
WASTE GAS SAMPLING SYSTEM VALVE FAILURE

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																																					
MONTH	DAY	YEAR	YEAR	SEQ. NUMBER	REV. NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)																																			
05	05	84	84	0218	010	06	04	84	SONGS UNIT 3		050003612																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) 1</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 100</td> <td><input type="checkbox"/> 20.402(b)</td> <td><input type="checkbox"/> 20.405(c)</td> <td><input type="checkbox"/> 50.73(a)(2)(iv)</td> <td><input type="checkbox"/> 73.71(b)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(i)</td> <td><input type="checkbox"/> 50.36(c)(1)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(v)</td> <td><input type="checkbox"/> 73.71(c)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(ii)</td> <td><input type="checkbox"/> 50.36(c)(2)</td> <td><input type="checkbox"/> 50.73(a)(2)(vii)</td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(viii)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(iv)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(B)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(v)</td> <td><input type="checkbox"/> 50.73(a)(2)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(x)</td> <td></td> </tr> </table>												OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)											POWER LEVEL (10) 100	<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)	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input checked="" 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)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input checked="" 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)	
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LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
J. G. HAYNES, STATION MANAGER	714 492-1710

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	WIE	IPCIV	F11217	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On 5/5/84, at approximately 1530, with Unit 2 in Mode 1 at 100% power, and Unit 3 in Mode 3, Waste Gas Sampling System Pressure Control Valve 2/3PCV0582 failed open, resulting in flow through Sample Pump Discharge Relief Valve 2/3PSV0580 into the Waste Gas Discharge Header. Flow was routed to the Plant Vent Stack from the Waste Gas Discharge Header causing Plant Vent Monitor 2RE7808C to alarm. At 1840, an Unusual Event was declared because of the alarm on 2RE7808C and the fact that the release had not been terminated. At 1845, the release was terminated by isolating the Waste Gas Decay Tank and the Unusual Event was terminated. The release was calculated to have been approximately 405 curies of Xe-133. The concentration in unrestricted areas, when averaged over one hour, was 8.4E-7 microcuries per cubic centimeter (2.8 times the applicable concentration in Appendix B, Table II of 10 CFR 20 in unrestricted areas, when averaged over one hour).

The Waste Gas Sampling System pressure control valve was replaced. In addition, alarm response procedures have been revised to ensure prompt identification of conditions warranting declaration of an Unusual Event and additional training on the radiation monitor alarm response will be provided to Operations personnel.

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PDR ADOCK 05000361
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LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 6 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQ. NUMBER	REV. NUMBER			
		8 4	- 0 2 8	- 0 0	0 2	OF	0 2

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

On 5/5/84, at approximately 1530, with Unit 2 in Mode 1 at 100% power, and Unit 3 in Mode 3, during sampling of a Waste Gas Decay Tank, Waste Gas Sampling System (EIIS System Code WE) Pressure Control Valve 2/3PCV0582 (EIIS Component Code PCV) failed open. Flow resulted through Sample Pump Discharge Relief Valve 2/3PSV0580 (EIIS Component Code RV) due to the increased pressure and allowed flow through to the relief valve discharge header. The relief valve discharge header exhausts into the Waste Gas Discharge Header downstream of the Waste Gas Discharge Header Automatic Isolation Valve 2/3FV7202 (EIIS Component Code FSV). The gas was then routed by the Waste Gas Discharge Header into the Plant Vent Stack causing Plant Vent Stack Monitor 2RE7808C (EIIS Component Code IL) to alarm. At 1840, an Unusual Event was declared because of the alarm on 2RE7808C and the fact that the release had not been terminated. The release was terminated at 1845 by isolating the Waste Gas Decay Tank from the Waste Gas Sample System which terminated the Unusual Event.

The release was calculated to have been approximately 405 curies of Xe-133. The concentration in unrestricted areas, when averaged over one hour, was 8.4E-7 microcuries per cubic centimeter (2.8 times the applicable concentration in Appendix B, Table II of 10 CFR 20 in unrestricted areas, when averaged over one hour). In accordance with the action statement of Technical Specification Limiting Condition for Operation (LCO) 3.11.2.1, actions were immediately initiated to terminate the release.

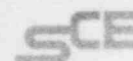
Subsequent inspection determined that Sampling System Pressure Control Valve 2/3PCV0582 had experienced a ruptured bellows and a replacement pressure control valve was installed.

As corrective action the appropriate alarm response procedure, Procedure S023-5-2.24, "Miscellaneous Utilities 61-A" has been revised to refer the operator to the emergency procedure S023-VIII-1 "Recognition and Classification of Emergencies," which requires prompt declaration of an Unusual Event. In addition, this event was discussed with operators during shift briefings.

The 1984-1985 licensed operator requalification program will include additional training concerning appropriate response to radiation monitor alarms, setpoints, and their relation to emergency action levels or Technical Specification actions.

There are no credible circumstances that would have increased the severity of this event.

Southern California Edison Company



SAN ONOFRE NUCLEAR GENERATING STATION
P.O. BOX 128
SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES
STATION MANAGER

TELEPHONE
(714) 492-7700

June 4, 1984

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

Subject: Docket No. 50-361
30-Day Report
Licensee Event Report No. 84-028
San Onofre Nuclear Generating Station, Units 2 and 3

Pursuant to 10 CFR 50.73(a)(2)(v) and 50.73(a)(2)(viii), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving the waste gas sampling system. Since this occurrence involved a shared system between Units 2 and 3, a single LER for Unit 2 is enclosed per NUREG-1022. The health and safety of plant personnel or the public were not affected by this event.

If you require any additional information, please so advise.

Sincerely,

J.G. Haynes

Enclosure: LER No. 84-028

cc: A. E. Chaffee (USNRC Resident Inspector, Units 1, 2 and 3)
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

J. B. Martin (Regional Administrator, NRC Region V)

Institute of Nuclear Power Operations (INPO)

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Add: IE/DEPER/EPB
NRR/DHFS/LQB