

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3	DOCKET NUMBER (2) 0 5 0 0 0 3 6 2	PAGE (3) 1 OF 0 9
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TITLE (4)
DOSE EQUIVALENT IODINE LIMITS EXCEEDED

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)																																																					
0 4	2 7	8 4	8 4	0 1 5	0 0	0 5	2 9	8 4			0 5 0 0 0																																																					
<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) 0 8 0</td> <td>20.402(b)</td> <td></td> <td>20.405(c)</td> <td></td> <td>50.73(a)(2)(iv)</td> <td></td> <td>73.71(b)</td> </tr> <tr> <td>20.405(a)(1)(i)</td> <td></td> <td>50.36(c)(1)</td> <td></td> <td>50.73(a)(2)(v)</td> <td></td> <td>73.71(c)</td> </tr> <tr> <td>20.405(a)(1)(ii)</td> <td><input checked="" type="checkbox"/></td> <td>50.36(c)(2)</td> <td></td> <td>50.73(a)(2)(vii)</td> <td><input checked="" type="checkbox"/></td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 366A) LCO 3.4.7, Action Statement 'd'</td> </tr> <tr> <td>20.405(a)(1)(iii)</td> <td><input checked="" type="checkbox"/></td> <td>50.73(a)(2)(i)</td> <td></td> <td>50.73(a)(2)(viii)(A)</td> <td></td> </tr> <tr> <td>20.405(a)(1)(iv)</td> <td></td> <td>50.73(a)(2)(ii)</td> <td></td> <td>50.73(a)(2)(viii)(B)</td> <td></td> </tr> <tr> <td>20.405(a)(1)(v)</td> <td></td> <td>50.73(a)(2)(iii)</td> <td></td> <td>50.73(a)(2)(x)</td> <td></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) 0 8 0	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)	20.405(a)(1)(ii)	<input checked="" type="checkbox"/>	50.36(c)(2)		50.73(a)(2)(vii)	<input checked="" type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A) LCO 3.4.7, Action Statement 'd'	20.405(a)(1)(iii)	<input checked="" type="checkbox"/>	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)		20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)		
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LICENSEE CONTACT FOR THIS LER (12)

NAME J. G. HAYNES, STATION MANAGER	TELEPHONE NUMBER AREA CODE 7 1 4 4 9 2 - 1 7 1 0 0
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO
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EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

Pursuant to Limiting Condition for Operation (LCO) 3.4.7, Action Statement 'd' of Appendix A, Technical Specifications to Facility Operating License NPF-15 for San Onofre Unit 3, this submittal provides the required 30-day written Licensee Event Report (LER) for three occurrences involving the Reactor Coolant System specific activity exceeding 1.0 microcurie/gram Dose Equivalent (DE) I-131 at 1005 on April 27, 1984 with Unit 3 in Mode 1 at 80% power; at 0330, on May 5, 1984 with Unit 3 in Mode 3; and at 0820, May 7, 1984 with Unit 3 in Mode 1 at approximately 20% power. RCS activity was reduced to less than 1.0 microcurie/gram DE I-131 within 48 hours after each occurrence by purification flow.

During the third occurrence, on May 7, 1984, a required RCS sample due at 2025 was delayed until 2200 because all activities involving contaminated systems including RCS sampling, were suspended pending investigation of a Plant Vent Stack alarm. As a result, the 4-hour limit required by LCO 3.4.7, Action Statement 'd', was not met.

In addition, it was determined that there have been past occurrences when RCS samples were not taken and analyzed within the required 4 hours due to a misunderstanding of the sampling interval limit.

We will continue to monitor and evaluate primary coolant activity.

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LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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

On April 27, 1984, at 1005, with Unit 3 in Mode 1 at 80% power, analysis of RCS sample indicated that the specific activity exceeded 1.0 microcurie/gram DE I-131. The specific activity was reduced to less than 1.0 microcurie/gram DE I-131 at 1400, on April 28, 1984, by purification flow.

On May 5, 1984, at 0330, with Unit 3 in Mode 3, RCS sample activity exceeded 1.0 microcurie/gram DE I-131. The specific activity was reduced to less than 1.0 microcurie/gram DE I-131 at 1545, on May 6, 1984, by purification flow.

On May 7, 1984, at 0820, with Unit 3 in Mode 1 at 20% power, RCS sample activity exceeded 1.0 microcurie/gram DE I-131. Specific activity was reduced to less than 1.0 microcurie/gram DE I-131 at 2045, on May 8, 1984, by purification flow.

The three occurrences, during which Dose Equivalent Iodine limits were exceeded resulted from temporary reactor coolant activity increases following power changes. Similar occurrences were reported in LER 83-111, LER-84-005 and LER-84-013. We will continue to monitor and evaluate primary coolant activity. No other immediate corrective action is planned. Neither the health and safety of plant personnel nor the public were affected by these events.

During the May 7, 1984 occurrence, a required RCS sample due at 2025 was delayed until 2200 because RCS sampling and all other activities involving contaminated systems were suspended pending investigation of a Plant Vent Stack alarm. As a result, the 4-hr limit required by LCO 3.4.7, Action Statement 'd' was not met.

During the preparation of this report, it was determined that there have been past occurrences when RCS samples were not taken and analyzed within the 4 hours required by LCO 3.4.7, Action Statement 'd'. Due to a misunderstanding, personnel were inappropriately applying the 25% surveillance extension allowance of Surveillance Requirement 4.0.2 to the LCO 3.4.7, Action Statement 'd'. Personnel have been instructed to perform the sampling within the LCO required 4-hour period. No further corrective action is planned.

Additional information, required by LCO 3.4.7, Action Statement 'd' is provided on the following pages. Although the unit has a degassification path which operates continuously and takes pressurizer steam, condenses it, and directs it to Liquid Radwaste, de-gassing operation history is not applicable, because this system reduces the noble gas content of the Reactor Coolant System but has no effect on iodine.

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CLEANUP FLOW HISTORY

<u>PERIOD</u>	<u>AVERAGE CLEANUP FLOW (GPM)</u>
4/25/84, 1000 to 4/25/84, 1300	82.8
4/25/84, 1400 to 4/25/84, 2400	85*
4/26/84, 0100 to 4/27/84, 1000	84.5
5/03/84, 0300 to 5/03/84, 2300	80.5
5/03/84, 2400 to 5/04/84, 0200	85*
5/04/84, 0300 to 5/05/84, 0300	77.46
5/05/84, 0800 to 5/05/84, 1600	85*
5/05/84, 1700 to 5/06/84, 1500	82.2
5/06/84, 1600 to 5/06/84, 2400	85*
5/07/84, 0100 to 5/07/84, 0800	79.5

*Hourly cleanup flow data not available. Figure used is taken from average flow with two charging pumps in operation.

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REACTOR POWER HISTORY

PERIOD

REACTOR POWER

4/25/84, 1000 to 4/27/84, 0200	100% Rated Power
4/27/84, 0300 to 4/27/84, 0600	95%
4/27/84, 0700	87%
4/27/84, 0800 to 4/27/84, 1100	80%
5/03/84, 0300 to 5/04/84, 1800	100%
5/04/84, 1900	93.3%
5/04/84, 2000	86.7%
5/04/84, 2100	73.2%
5/04/84, 2200	57.2%
5/04/84, 2300	43.6%
5/04/84, 2400	32.2%
5/05/84, 0100 to 5/05/84, 0400	0%
5/05/84, 0800 to 5/07/84, 0500	0%
5/07/84, 0600	16%
5/07/84, 0700 to 5/07/84, 0800	17%
5/07/84, 0900	20.8%

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REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY ANALYSIS

<u>DATE</u>	<u>TIME</u>	<u>DE I-131 MICROCURIES/GRAM</u>
4/27/84	1005	1.04
4/27/84	1424	1.39
4/27/84	1831	1.40
4/27/84	2154	1.51
4/28/84	0200	1.19
4/28/84	0600	0.9957
4/28/84	1000	1.221
4/28/84	1400	0.833
5/05/84	0330	4.08
5/05/84	0730	5.08
5/05/84	1155	4.38
5/05/84	1540	3.70
5/05/84	1955	2.97
5/05/84	2330	2.47
5/06/84	0330	1.93
5/06/84	0727	1.52
5/06/84	1135	1.26
5/06/84	1405	1.05
5/06/84	1545	0.90
5/07/84	0820	2.170
5/07/84	1225	1.632
5/07/84	1625	1.430
5/07/84	2200	1.304
5/08/84	0225	1.22
5/08/84	0435	1.05
5/08/84	0830	1.11
5/08/84	1233	1.05
5/08/84	1630	1.02
5/08/84	2045	0.806

The total time with DE I-131 above 1.0 microcurie/gram for these events was 95.50 hours. Cumulative time with DE I-131 above 1.0 microcurie/gram for the last 12-month period is 173.44 hours.

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

May 29, 1984

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

Subject: Docket No. 50-362
30-Day Report
Licensee Event Report No. 84-015
San Onofre Nuclear Generating Station, Unit 3

Pursuant to 10 CFR 50.36(c)(2), 50.73(a)(2)(i)(B) and Limiting Condition for Operation (LCO) 3.4.7, Action Statement 'd' of Appendix A, Technical Specifications to Facility Operating License NPF-15 for San Onofre Unit 3, this submittal provides the required 30-day written Licensee Event Report (LER) for three occurrences involving the Reactor Coolant System (RCS) specific activity. The health and safety of plant personnel or the public were not affected by these events.

If you require any additional information, please so advise.

Sincerely,

JG Haynes / NCM

Enclosure: LER 84-015

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, USNRC Region V)

Institute of Nuclear Power Operations (INPO)

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