

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 6
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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 3	3 0	8 4	8 4	0 1 3	0 1	0 6	0 8	8 4			0 5 0 0 0 0

OPERATING MODE (9) 3	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)											
POWER LEVEL (10) 0 0 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)			50.36(c)(2)			50.73(a)(2)(vii)			X OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
	20.405(a)(1)(iii)			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)						

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
J. G. HAYNES, STATION MANAGER	7 1 4 4 9 2 - 7 7 0 0

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS

SUPPLEMENTAL REPORT EXPECTED (14)

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

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 an occurrence involving the Reactor Coolant System specific activity.

On 3/30/84, at 0430, with Unit 3 in Mode 3 following a reactor shutdown for maintenance, a Reactor Coolant System (RCS) sample analysis indicated that RCS specific activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131. Purification flow was increased and RCS activity was reduced to less than 1.0 microcurie/gram DE I-131 at 0020 on 4/1/84.

On 4/1/84, at 0905, with Unit 3 in Mode 2 at 5% power, RCS sample analysis again indicated that RCS activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131. Purification flow was increased and RCS activity was reduced to less than 1.0 microcurie/gram DE I-131 at 1310 on 4/1/84. No further corrective action is planned.

8406130185 840608
 PDR ADOCK 05000362
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LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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		YEAR 8 4	SEQ. NUMBER - 0 1 3	REV. NUMBER - 0 1			

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

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 an occurrence involving the Reactor Coolant System specific activity.

On March 30, 1984, at 0300, the Unit 3 reactor was shutdown for a planned maintenance outage. At 0430, analysis of a Reactor Coolant System (RCS) sample indicated that the specific activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131. As corrective action, purification flow was increased. The RCS specific activity was reduced to less than 1.0 microcurie/gram DE I-131 at 0020 on April 1, 1984.

On April 1, 1984, at 0905, analysis of a Reactor Coolant System (RCS) sample again indicated that RCS specific activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131. Purification flow was increased and RCS specific activity was reduced to less than 1.0 microcurie/gram DE I-131 at 1310 on April 1, 1984.

The two events were indications of iodine spiking following a power change. Similar occurrences were previously reported in LER 83-111 and LER 84-005. NSSS Engineering is monitoring and evaluating reactor coolant activity for trends that may be indicative of any significant changes in the fuel integrity. No further corrective action is planned. There was no impact on the health and safety of the public associated with these events.

Additional information, required by LCO 3.4.7, Action Statement 'd', is provided on the following pages. Information concerning de-gassing operation is not applicable since this operation is not provided for in the plant design.

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CLEANUP FLOW HISTORY

<u>PERIOD</u>	<u>AVERAGE CLEANUP FLOW (GPM)</u>
3/28/84, 0400 to 3/30/84, 0400	82.38
3/30/84, 0900 to 3/30/84, 1000	97.30
3/30/84, 1000 to 3/31/84, 1600	85*
3/31/84, 1600 to 4/01/84, 0900	83.54

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

REACTOR POWER HISTORY

<u>PERIOD</u>	<u>REACTOR POWER</u>
3/28/84, 0400 to 3/29/84, 0200	100% Rated Power
3/29/84, 0300 to 3/29/84, 0500	90%
3/29/84, 0600 to 3/29/84, 1900	100%
3/29/84, 2000 to 3/29/84, 2100	90%
3/29/84, 2200	76%
3/29/84, 2300	63.9%
3/30/84, 2400	57.2%
3/30/84, 0100	33.79%
3/30/84, 0200	30.84%
3/30/84, 0300	Reactor Tripped
3/30/84, 0300 to 3/30/84, 0400	0%
3/30/84, 0900 to 3/31/84, 2300	0%
4/01/84, 2400 to 4/01/84, 0100	0.1%
4/01/84, 0200	0.2%
4/01/84, 0300 to 4/01/84, 0700	0.3%
4/01/84, 0800	0.2%
4/01/84, 0900	0.5%

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U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY ANALYSIS

<u>DATE</u>	<u>TIME</u>	<u>DE I-131 MICROCURIES/GRAM</u>
3/30/84	0430	1.798
3/30/84	0830	2.368
3/30/84	1230	1.994
3/30/84	1640	1.778
3/30/84	2030	1.741
3/31/84	0035	1.837
3/31/84	0430	1.875
3/31/84	0840	1.855
3/31/84	1230	1.908
3/31/84	1600	1.580
3/31/84	2000	1.276
3/31/84	2220	1.06
4/01/84	0020	0.91
4/01/84	0905	1.061
4/01/84	1310	0.509

The total time with the DE I-131 above 1.0 microcuries/gram for these events was 47.91 hours. Cumulative time with DE I-131 above 1.0 microcuries/gram for last 12-month period is 90.1 hours.

