

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)										DOCKET NUMBER (2)	PAGE (3)
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3										0 5 0 0 0 3 6 2	1 OF 04

TITLE (4)

DELINQUENT RCS SAMPLE WITH 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)
01	30	85	85	-004	-00	02	22	85		0 5 0 0 0

OPERATING MODE (9)	5	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)	X	50.36(c)(2)		50.73(a)(2)(vii)			X	
		20.405(a)(1)(iii)	X	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: J. G. HAYNES, STATION MANAGER TELEPHONE NUMBER: 714 492-1770									
AREA CODE									

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS

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

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

On January 30, 1985, at 0900, with Unit 3 in Mode 5, following collapsing of the pressurizer steam bubble after a shutdown, analysis of a Reactor Coolant System (RCS) sample, taken only for observation purposes and not required by Technical Specifications, indicated that RCS specific activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131.

RCS specific activity was reduced to less than 1.0 microcurie/gram DE I-131 by 1930 with purification flow. The increased activity was caused when the iodine in the pressurizer steam bubble was forced into solution while collapsing the bubble.

A 4 hour sample due to be taken at 1650 was not taken until 1930. Our investigation of the administrative controls surrounding the delinquent sample determined that the cause of the delinquent sample was personnel error in that the responsible chemistry technician and chemistry foreman understood the sampling requirements but failed to complete them within the required time. Appropriate disciplinary action was taken. Additionally, this event was discussed with all chemistry technicians and foremen.

This submittal also provides the report pursuant to Limiting Condition for Operation (LCO) 3.4.7, Action Statement 'd', RCS specific activity exceeding 1.0 microcuries/gram Dose Equivalent I-131.

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PDR ADDCK 05000362
S PDR

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LICENSEE EVENT REPORT (LER)
TEXT CONTINUATIONU.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQ. NUMBER	REV. NUMBER		
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3	0 5 0 0 0 3 6 2	85	- 0 0 4	- 0 0	0 2	0 4

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

On January 30, 1985, at 0900, with Unit 3 in Mode 5, following collapsing of the pressurizer steam bubble after a shutdown, analysis of a Reactor Coolant System (RCS)(EIS System Code AB) sample, taken only for observation purposes and was not required by Technical Specifications, indicated that RCS specific activity exceeded 1.0 microcurie/gram Dose Equivalent (DE) I-131.

RCS specific activity was reduced to less than 1.0 microcurie/gram DE I-131 by 1930 with purification flow. The increased activity was caused when the iodine in the pressurizer steam bubble was forced into solution while collapsing the bubble.

A 4 hour sample due to be taken at 1650 was not taken until 1930. Our investigation of the administrative controls surrounding the delinquent sample determined that the cause of the delinquent sample was personnel error in that the responsible chemistry technician and chemistry foreman understood the sampling requirements but failed to complete them within the required time. Appropriate disciplinary action was taken. Additionally, this event was discussed with all chemistry technicians and foremen.

This submittal also provides the report pursuant to Limiting Condition for Operation (LCO) 3.4.7, Action Statement 'd', Reactor Coolant System (RCS) specific activity exceeding 1.0 microcuries/gram Dose Equivalent I-131.

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, degassing operation history is not applicable, because this system reduces the noble gas content of the Reactor Coolant System but has no effect on iodine.

CLEANUP FLOW HISTORYPERIODAVERAGE CLEANUP FLOW (GPM)

1/28/85, 0900 to 1/30/85, 1930

85*

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

REACTOR POWER HISTORYPERIODREACTOR POWER

1/28/85, 0900 to 1/30/85, 1930

0%

REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY ANALYSIS

DATE	TIME	DE I-131 MICROCURIES/GRAM
1/30/85	0900	1.41
1/30/85	1250	1.36
1/30/85	1930	0.85

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)										PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER								
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3		0	5	0	0	0	3	6	2	8	5	—

TEXT (if more space is required, use additional NRC Form 366A (9-83))

32.000	9.032	9.270	11.254	9.935	10.873	10.586	11.174	10.521	11.144	10.535	10.841	9.944	10.228	9.218	8.945	32.
11.156	11.425	12.561	12.135	13.334	12.641	13.532	12.708	13.390	12.572	13.264	12.079	12.548	11.283	11.004		
34.000	34.000	34.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	34.000	34.000		
151-05	152-04	153-02	154-04	155-02	156-03	157-31	158-33	159-31	160-33	161-02	162-04	163-02	164-04	165-05		
7.248	8.527	9.278	10.324	10.051	10.861	11.356	11.031	10.311	10.740	9.375	10.225	9.238	8.351	7.221		
8.915	11.014	11.403	12.690	12.259	13.316	12.574	13.392	12.526	13.200	12.130	12.434	11.255	10.923	8.803		
34.000	34.000	35.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	34.000	34.000			
166-05	167-06	168-04	169-02	170-04	171-02	172-04	173-02	174-04	175-02	176-04	177-02	178-04	179-06	180-05		
5.209	8.832	9.139	9.296	10.348	10.024	10.796	10.107	10.748	9.940	10.270	9.234	9.067	8.750	5.175		
6.411	10.920	11.339	11.388	12.732	12.237	13.258	12.411	13.211	12.136	12.606	11.255	11.133	10.708	5.298		
34.000	35.000	35.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000	34.000	34.000			
181-05	182-02	183-04	184-02	185-04	186-02	187-04	188-02	189-04	190-02	191-04	192-02	193-05				
3.970	7.516	9.032	9.295	10.260	9.901	10.514	9.857	11.139	9.234	9.014	7.435	5.782				
7.314	9.225	11.151	11.387	12.639	12.121	12.968	12.068	12.481	11.303	11.139	9.058	6.998				
34.000	35.000	38.000	36.000	34.000	36.000	36.000	36.000	38.000	38.000	38.000	36.000	34.000				
194-05	195-06	196-04	197-02	198-04	199-02	200-04	201-02	202-04	203-06	204-05						
5.852	8.846	8.984	9.208	10.080	9.602	10.058	9.170	8.939	8.800	5.808						
7.139	10.881	11.087	11.283	12.463	11.795	12.444	11.245	11.030	10.810	7.063						
35.100	35.000	36.000	34.000	36.000	36.000	36.000	36.000	36.000	36.000	36.000						
205-05	206-05	207-07	208-07	209-04	210-07	211-07	212-05	213-05								
5.327	7.221	8.629	10.267	9.143	10.270	8.652	7.201	5.285								
6.534	8.821	10.616	12.659	11.331	12.680	10.591	8.802	6.464								
34.000	34.000	34.000	34.000	34.000	34.000	34.000	34.000	34.000								
214-05	215-05	216-05	217-05													
5.574	7.268	7.269	5.580													
6.805	8.846	8.854	6.826													
34.000	34.000	34.000	34.000													

MAXIMUM INTEGRATED ASSEMBLY EXPOSURE IS 0.112445D+05 MWD/T IN ASSEMBLY 110
 MAXIMUM PEAK AXIAL EXPOSURE IS 0.137041D+05 MWD/T, OCCURRING AT 36.00 0/0 OF THE CORE HEIGHT IN ASSEMBLY 108
 CORE AVERAGE EXPOSURE IS 0.920558D+04 MWD/T
 Equal to 243.42 EFPD

----- BATCH AVERAGE EXPOSURES -----

BATCH NUMBER	BATCH NAME	AVERAGE EXPOSURE (GWD/T)
1	A1	10.395
2	A2	9.468
3	B1	11.007
4	B2	9.879
5	C	6.282
6	C+	8.811
7		9.611

Southern California Edison Company

SCE

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES
STATION MANAGER

TELEPHONE
(714) 492-7700

February 27, 1985

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

Subject: Docket No. 50-362
30-Day Report
Licensee Event Report No. 85-004
San Onofre Nuclear Generating Station, Unit 3

Pursuant to 10 CFR 50.36(c)(2), 10 CFR 50.73(a)(2)(i), 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 an occurrence involving the Reactor Coolant System specific activity. Neither the health and safety of plant personnel nor the public were affected by this event.

If you require any additional information, please so advise.

Sincerely,
JG Haynes

Enclosure: LER No. 85-004

cc: F. R. Huey (USNRC Senior 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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