

Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

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

Subject: Docket Numbers 50-206, 50-361 and 50-362
Annual Personnel Monitoring Report - 1989
San Onofre Nuclear Generating Station, Units 1, 2 and 3

Pursuant to 10 CFR 20.407 and Sections 6.9.1.4/5 of Appendix A, Technical Specifications to Provisional Operating License No. 13 for San Onofre Unit 1 and Facility Operating Licenses NPF-10 and NPF-15 for San Onofre Units 2 and 3, respectively, this submittal provides the Annual Personnel Monitoring Report for 1989. The report includes the number of individuals for whom personnel monitoring was required during the calendar year, the annual exposure distribution summary and the Regulatory Guide 1.16 Statistical Summary by work and job function.

If there are any questions regarding information in this report, please so advise.

Sincerely,

HE Morgan

Enclosure

cc: C. W. Caldwell (USNRC Senior Resident Inspector, Units 1, 2 and 3)

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

Institute of Nuclear Power Operations (INPO)

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LICENSEE REPORTINGLICENSEE NO.

SOUTHERN CALIFORNIA EDISON COMPANY
SAN ONOFRE NUCLEAR GENERATING STATION
P.O. BOX 128
SAN CLEMENTE, CA 92672

DPR-13, NPF-10, NPF-15

SUMMARY

ANNUAL DOSE RANGES* (REM)	NUMBER OF INDIVIDUALS IN EACH RANGE
No Measurable Exposure	1535
Measurable Exposure - Exposure less than 0.10 . . .	1029
0.10 - 0.25	437
0.25 - 0.50	352
0.50 - 0.75	184
0.75 - 1.0	96
1.0 - 2.0	134
2.0 - 3.0	5
3.0 - 4.0	0
4.0 - 5.0	0
5.0 - 6.0	0
6.0 - 7.0	0
7.0 - 8.0	0
8.0 - 9.0	0
9.0 - 10.0	0
10.0 - 11.0	0
11.0 - 12.0	0
12+	0
TOTAL NUMBER OF INDIVIDUALS REPORTED:	3,772
TOTAL PERSON-REM:	567.313

This report is submitted in accordance with 10CFR20.407(a)(1).

*Individual values exactly equal to the values separating exposure ranges shall be reported in the higher range.

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1989 PERSONNEL MONITORING REPORT AND NOTIFICATION-SUMMARY

REGULATORY GUIDE 1.16 REPORT

Work & Job Function	Number of Personnel (> 100 mrem)			Exposure (Person rem)		
	Station Employees	Utility Employees	Contract Workers and Others	Station Employees	Utility Employees	Contract Workers and Others
<u>Reactor Operations & Surveillance</u>						
Maintenance Personnel	1	0	1	0.436	0.000	0.261
Operating Personnel	44	1	1	9.034	0.758	0.290
Health Physics Personnel	45	0	41	5.523	0.000	5.615
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	10	2	2	1.014	0.157	0.199
<u>Routine Maintenance</u>						
Maintenance Personnel	173	21	430	63.722	11.455	134.290
Operating Personnel	50	1	2	6.192	0.599	0.353
Health Physics Personnel	88	2	199	45.910	0.757	95.864
Supervisory Personnel	3	0	4	2.113	0.000	1.455
Engineering Personnel	112	8	110	34.006	1.526	37.402
<u>In-service Inspection</u>						
Maintenance Personnel	30	2	172	1.507	0.012	13.265
Operating Personnel	3	0	0	0.061	0.000	0.000
Health Physics Personnel	5	0	2	0.145	0.000	0.117
Supervisory Personnel	1	0	1	0.004	0.000	0.029
Engineering Personnel	48	0	17	1.427	0.000	0.397
<u>Special Maintenance</u>						
Maintenance Personnel	0	0	0	0.000	0.000	0.000
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	0	0	0	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<u>Waste Processing</u>						
Maintenance Personnel	2	1	3	0.018	0.187	0.118
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	33	0	60	2.233	0.000	5.176
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<u>Refueling</u>						
Maintenance Personnel	173	20	241	23.398	0.625	67.679
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	0	0	0	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<u>TOTAL</u>						
Maintenance Personnel	173	21	430	89.081	12.279	215.613
Operating Personnel	53	1	2	15.287	1.357	0.643
Health Physics Personnel	88	2	201	53.811	0.757	106.772
Supervisory Personnel	3	0	4	2.117	0.000	1.484
Engineering Personnel	112	8	110	36.447	1.683	37.998
<u>Grand Total</u>	<u>429</u>	<u>32</u>	<u>747</u>	<u>196.743</u>	<u>16.076</u>	<u>362.510</u>

Total number of individuals receiving greater than 500 mrem in a single exposure = 17
