

1901 Gratiot Street
Post Office Box 149
St. Louis, Missouri 63166
314-554-2550



February 13, 1990

Donald F. Schnell
Union Electric President
1989

Director, Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

ULNRC - 2157

DOCKET NUMBER 50-483
CALLAWAY PLANT
ANNUAL PERSONNEL EXPOSURE AND
MONITORING REPORT - 1989

Included herewith are the Personnel Monitoring Report and the Occupational Radiation Exposure Report required by 10CFR 20.407. These reports are submitted pursuant to Sections 6.9.1.4 and 6.9.1.5 of the Callaway Plant Technical Specifications.

This report is to also include the results of specific activity analysis in which primary coolant exceeded the limits of Specification 3.4.8. There have been no reportable incidents in this reporting period.

If there are any questions relating to this information, please contact us.

Very truly yours,

Donald F. Schnell

JMC/dvd

Enclosure

9003150109 891231
PDR ADDCK 05000483
R PNU

IF56
1/1

cc: Gerald Charnoff, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N. Street, N.W.
Washington, D.C. 20037

Dr. J.O. Cermak
CFA, Inc.
4 Professional Drive (Suite 110)
Cathetersburg, MD 20879

R.C. Knop
Chief, Reactor Project Branch 1
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Bruce Little
Callaway Resident Office
U.S. Nuclear Regulatory Commission
RR#1
Steedman, Missouri 65077

S.V. Athavale (2)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
1 White Flint, North, Mail Stop 13E21
11555 Rockville Pike
Rockville, MD 20852

Manager, Electric Department
Missouri Public Service Commission
P.O. Box 360
Jefferson City, MO 65102

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

bcc: D. Shafer/A160.761
/QA Record (CA-758)

Nuclear Date
E210.01
DFS/Chrono
D. F. Schnell
J. E. Birk
J. V. Laux
M. A. Stiller
G. L. Randolph
R. J. Irwin
H. Wuertenbaecher
W. R. Campbell
A. C. Passwater
R. P. Wendling
D. E. Shafer
D. J. Walker
O. Maynard (WCNOC)
N. P. Goel (Bechtel)
T. P. Sharkey
NSRB (Sandra Auston)

PERSONNEL MONITORING REPORT

CALLAWAY NUCLEAR PLANT
UNION ELECTRIC COMPANY
P O BOX 620
FULTON, MO 65251

LICENSE: NPF-30

10CFR20.407 REPORT FOR 1989

ESTIMATED WHOLE BODY EXPOSURE RANGE (rems)	!	NUMBER OF INDIVIDUALS IN EACH RANGE
No measurable exposure	!	776
Measurable exposure less than 0.1	!	369
0.1 to 0.25	!	283
0.25 to 0.5	!	245
0.5 to 0.75	!	85
0.75 to 1	!	40
1 to 2	!	32
2 to 3	!	1
3 to 4	!	0
4 to 5	!	0
5 to 6	!	0
6 to 7	!	0
7 to 8	!	0
8 to 9	!	0
9 to 10	!	0
10 to 11	!	0
11 to 12	!	0
12 +	!	0

TOTAL NUMBER OF PERSONNEL MONITORED
ACTUAL EXPOSURE BY TLD - 282.799 REM

1831

OCCUPATIONAL RADIATION EXPOSURE REPORT

CALLAWAY NUCLEAR PLANT
UNION ELECTRIC COMPANY
P. O. BOX 620
FULTON, MO 65251
LICENSE: NPF-30
END OF YEAR REPORT 1989

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
REACTOR OPERATIONS & SURVEILLANCE						
MAINTENANCE & CONSTRUCTION	0	0	1	0.313	0.000	0.675
OPERATIONS	80	0	1	19.896	0.095	.814
HEALTH PHYSICS & LAB	26	0	44	8.068	0.000	11.430
SUPERVISORY & OFFICE STAFF	10	0	0	3.111	0.100	0.000
ENGINEERING STAFF	0	0	2	0.463	0.049	.870
ROUTINE PLANT MAINTENANCE						
MAINTENANCE & CONSTRUCTION	116	0	195	35.163	0.000	66.19
OPERATIONS	2	0	1	1.068	0.000	.22
HEALTH PHYSICS & LAB	5	0	2	1.457	0.000	0.43
SUPERVISORY & OFFICE STAFF	3	0	0	0.821	0.000	0.00
ENGINEERING STAFF	0	0	13	0.281	0.013	3.87
INSERVICE INSPECTION						
MAINTENANCE & CONSTRUCTION	1	0	40	0.874	0.000	10.03
OPERATIONS	6	0	1	2.457	0.000	0.27
HEALTH PHYSICS & LAB	0	0	12	0.028	0.000	2.72
SUPERVISORY & OFFICE STAFF	4	0	0	1.897	0.000	0.00
ENGINEERING STAFF	7	0	50	3.249	0.028	23.84
SPECIAL PLANT MAINTENANCE						
MAINTENANCE & CONSTRUCTION	2	0	26	0.987	0.000	9.06
OPERATIONS	2	0	0	0.872	0.000	0.12
HEALTH PHYSICS & LAB	0	0	0	0.108	0.000	0.15
SUPERVISORY & OFFICE STAFF	0	0	0	0.152	0.045	0.00
ENGINEERING STAFF	1	0	34	0.183	0.009	25.58
WASTE PROCESSING						
MAINTENANCE & CONSTRUCTION	0	0	0	0.240	0.000	0.24
OPERATIONS	16	0	5	4.870	0.000	2.18
HEALTH PHYSICS & LAB	0	0	0	0.523	0.000	0.28
SUPERVISORY & OFFICE STAFF	1	0	0	0.356	0.000	0.00
ENGINEERING STAFF	0	0	1	0.000	0.000	0.30
REFUELING						
MAINTENANCE & CONSTRUCTION	7	0	75	2.340	0.000	29.74
OPERATIONS	1	0	0	0.458	0.010	0.00
HEALTH PHYSICS & LAB	0	0	3	0.068	0.000	0.62
SUPERVISORY & OFFICE STAFF	3	0	0	0.507	0.000	0.00
ENGINEERING STAFF	3	0	3	0.811	0.017	1.09
TOTALS						
MAINTENANCE & CONSTRUCTION	126	0	337	39.917	0.000	115.96
OPERATIONS	107	0	8	29.620	0.105	3.61
HEALTH PHYSICS & LAB	31	0	61	10.251	0.000	15.69
SUPERVISORY & OFFICE STAFF	21	0	0	6.846	0.145	0.00
ENGINEERING STAFF	11	0	103	4.987	0.116	55.57
GRAND TOTALS	296	0	509	91.622	0.366	190.81