



Commonwealth Edison
Zion Generating Station
Shiloh Blvd. & Lake Michigan
Zion, Illinois 60099
Telephone 708 / 748-2084

February 2, 1990

Mr. A. Bert Davis
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

SUBJECT: Zion Station Operating Report
NRC Dockets 50-295 and 50-304

Dear Mr. Davis:

Enclosed are the 1989 Occupational Radiation Exposures
(NRC Reg. Guide 1.16) for Zion Nuclear Power Station.

Sincerely yours,

for
T. Joyce
Station Manager

Enclosures

cc: NRC Document Control Desk
NRC Resident Inspector
NRC Office of Research

9003090484 900220
PDR ADOCK 05000237
R PNU

ATTACHMENT D

REGULATORY GUIDE 1.16

NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB FUNCTION
YEAR 1989

PLANT: Zion	NUMBER OF PERSONNEL			*TOTAL PERSONS	TOTAL PERSON-REMS		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS		STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS
REACTOR OPERATIONS & SURV							
MAINTENANCE PERSONNEL	3	0	2		2.334	0	.637
OPERATING PERSONNEL	70	0	19		8.468	0	3.322
HEALTH PHYSICS PERSONNEL	2	0	1		1.308	0	.026
SUPERVISORY PERSONNEL	22	1	0		4.160	.059	0
ENGINEERING PERSONNEL	7	0	1		.848	0	.080
TOTAL	104	1	23	128	17.118	.059	4.065
ROUTINE MAINTENANCE							
MAINTENANCE PERSONNEL	103	24	661		85.118	.783	198.260
OPERATING PERSONNEL	48	0	163		5.729	0	28.238
HEALTH PHYSICS PERSONNEL	28	0	52		28.016	0	17.953
SUPERVISORY PERSONNEL	86	55	31		17.251	5.537	5.335
ENGINEERING PERSONNEL	63	0	22		6.761	0	5.200
TOTAL	328	79	929	1336	142.880	6.320	254.990
IN-SERVICE INSPECTION							
MAINTENANCE PERSONNEL	4	1	228		2.562	.010	68.688
OPERATING PERSONNEL	12	0	17		1.402	0	2.847
HEALTH PHYSICS PERSONNEL	2	0	1		2.102	0	.228
SUPERVISORY PERSONNEL	9	7	7		2.015	.706	1.187
ENGINEERING PERSONNEL	9	0	31		1.025	0	6.749
TOTAL	36	8	284	328	9.106	.716	79.699
SPECIAL MAINTENANCE							
MAINTENANCE PERSONNEL	8	1	96		6.130	.026	28.963
OPERATING PERSONNEL	10	0	1		1.312	0	.086
HEALTH PHYSICS PERSONNEL	2	0	1		1.336	0	.254
SUPERVISORY PERSONNEL	7	1	17		1.515	.118	2.839
ENGINEERING PERSONNEL	4	0	1		.401	0	.045
TOTAL	31	2	116	149	10.694	.144	32.187
WASTE PROCESSING							
MAINTENANCE PERSONNEL	1	1	22		.054	.005	6.615
OPERATING PERSONNEL	1	0	1		.002	0	.070
HEALTH PHYSICS PERSONNEL	1	0	1		.835	0	.004
SUPERVISORY PERSONNEL	1	1	1		.140	.005	.010
ENGINEERING PERSONNEL	1	0	1		.005	0	.007
TOTAL	5	2	26	33	1.037	.010	6.706
REFUELING							
MAINTENANCE PERSONNEL	31	1	13		25.815	.025	3.728
OPERATING PERSONNEL	45	0	1		5.500	0	.025
HEALTH PHYSICS PERSONNEL	2	0	21		1.960	0	8.004
SUPERVISORY PERSONNEL	22	49	1		4.405	4.810	.039
ENGINEERING PERSONNEL	5	0	11		.587	0	2.329
TOTAL	105	50	47	202	38.269	4.835	14.125
TOTAL BY JOB FUNCTION							
MAINTENANCE PERSONNEL	150	28	1022	1200	122.010	.848	306.890
OPERATING PERSONNEL	186	0	202	388	22.413	0	34.588
HEALTH PHYSICS PERSONNEL	37	0	77	114	35.557	0	26.469
SUPERVISORY PERSONNEL	147	114	57	318	29.486	11.235	9.410
ENGINEERING PERSONNEL	89	0	67	156	9.627	0	14.410
GRAND TOTAL	608	142	1425	2175	219.090	12.083	391.770

*Some persons counted more than once.