



Commonwealth Edison
 Braidwood Nuclear Power Station
 Route #1, Box 84
 Braceville, Illinois 60407
 Telephone 815/458-2801

*Schumacher
Commonwealth*

DCD

PRIORITY ROUTING

FILE	SECOND
RA	RC
MPA	PC
MRP	SGA
DRS	SC
DRS	SI
DRS	ST
DRS	UACI

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February 13 1991
 BW/91-0159

FILE *mu*

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

SUBJECT: Braidwood Station Operating ... rt
 NRC Dockets 50-456 and 50-41.

Dear Mr. Davis:

Enclosed are the 1990 Occupational Radiation Exposures (NRC Reg. Guide 1.16) for Braidwood Nuclear Power Station.

Sincerely yours,

K. L. Kofron

K. L. Kofron
 Station Manager
 Braidwood Nuclear Station

KLK/JG:nm
 Enclosures

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

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REGULATORY GUIDE 1.16
 NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB FUNCTION
 YEAR 1990

PLANT: Braidwood 1 & 2	WORK & JOB FUNCTION	NUMBER OF PERSONNEL			PERSON-REM			TOTAL PERSON-REMS		
		STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS	*TOTAL PERSONS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS	TOTAL PERSON-REM	
	WORK & JOB FUNCTION									
	REACTOR OPERATIONS & SURV									
	MAINTENANCE PERSONNEL	9	7	2		1,532	0.052	0.235		
	OPERATING PERSONNEL	83	0	61		5,074	0.000	0.607		
	HEALTH PHYSICS PERSONNEL	3	0	0		1,224	0.000	0.004		
	SUPERVISORY PERSONNEL	14	0	0		9,497	0.000	0.000		
	ENGINEERING PERSONNEL	21	2	0		8,818	0.004	0.006		
	TOTAL	130	9	63	202	9,145	0.056	0.852		10,054
	ROUTINE MAINTENANCE									
	MAINTENANCE PERSONNEL	118	20	611		29,965	0.148	58,753		
	OPERATING PERSONNEL	136	0	81		8,295	0.000	0.806		
	HEALTH PHYSICS PERSONNEL	30	0	84		10,668	0.000	11,537		
	SUPERVISORY PERSONNEL	175	27	102		6,216	0.058	16,694		
	ENGINEERING PERSONNEL	40	165	56		3,438	0.452	3,344		
	TOTAL	549	212	935	1,596	49,586	0.628	91,324		141,348
	IN-SERVICE INSPECTION									
	MAINTENANCE PERSONNEL	0	0	77		0.019	0.000	7.442		
	OPERATING PERSONNEL	0	0	1		0.004	0.000	0.006		
	HEALTH PHYSICS PERSONNEL	0	0	1		0.006	0.000	0.088		
	SUPERVISORY PERSONNEL	0	0	0		0.005	0.000	0.009		
	ENGINEERING PERSONNEL	8	1	0		0.294	0.001	0.004		
	TOTAL	8	1	79	87	0.328	0.001	7.549		7.880
	SPECIAL MAINTENANCE									
	MAINTENANCE PERSONNEL	13	0	37		2,318	0.000	3.540		
	OPERATING PERSONNEL	16	0	2		0.999	0.000	0.022		
	HEALTH PHYSICS PERSONNEL	1	0	4		0.361	0.00	0.555		
	SUPERVISORY PERSONNEL	19	18	0		0.679	0.03	0.000		
	ENGINEERING PERSONNEL	1	5	0		0.030	0.012	0.000		
	TOTAL	50	23	43	116	4,387	0.049	4,117		8,553
	WASTE PROCESSING									
	MAINTENANCE PERSONNEL	0	0	1		0.033	0.000	0.111		
	OPERATING PERSONNEL	12	0	157		9,705	0.000	1,562		
	HEALTH PHYSICS PERSONNEL	3	0	0		1,048	0.000	0.336		
	SUPERVISORY PERSONNEL	17	0	0		0.600	0.000	0.000		
	ENGINEERING PERSONNEL	0	0	0		0.006	0.000	4.015		
	TOTAL	32	0	158	190	2,392	0.000	7,724		4,116
	REFUELING									
	MAINTENANCE PERSONNEL	46	0	27		8,138	0.000	2,565		
	OPERATING PERSONNEL	24	0	0		1,434	0.000	0.000		
	HEALTH PHYSICS PERSONNEL	3	0	3		0.979	0.000	0.374		
	SUPERVISORY PERSONNEL	54	0	2		1,907	0.000	0.302		
	ENGINEERING PERSONNEL	5	10	0		0.209	0.025	0.000		
	TOTAL	132	10	32	173	12,667	0.025	3,241		15,935
	TOTAL BY JOB FUNCTION									
	MAINTENANCE PERSONNEL	186	27	755	968	33,006	0.206	72,646		105,852
	OPERATING PERSONNEL	271	0	302	572	16,516	0.000	3,002		19,518
	HEALTH PHYSICS PERSONNEL	40	0	92	132	14,287	0.000	12,594		26,881
	SUPERVISORY PERSONNEL	279	45	104	428	9,904	0.095	17,005		27,004
	ENGINEERING PERSONNEL	125	183	58	366	4,796	0.465	3,269		8,630
	GRAND TOTAL	901	255	1311	2466	78,509	0.760	198,616		397,395

*Some persons counted more than once.