



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

February 13, 1991
BW/91-0159

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

SUBJECT: Braidwood Station Operating Report
NRC Dockets 50-456 and 50-457.

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
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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PDR ADUCK 05000237
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ATTACHMENT D

REGULATORY GUIDE 1.16

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

PLANT: BRAIDWOOD 1 and 2

WORK & JOB FUNCTION	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	9	7	2		1.532	0.052	0.232
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		0.497	0.000	0.000
ENGINEERING PERSONNEL	22	2	0		0.818	0.005	0.007
TOTAL	131	9	63	203	9.145	0.057	0.850
ROUTINE MAINTENANCE							
MAINTENANCE PERSONNEL	119	20	607		20.965	0.148	58.182
OPERATING PERSONNEL	136	0	81		8.299	0.000	0.805
HEALTH PHYSICS PERSONNEL	30	0	83		10.668	0.000	11.286
SUPERVISORY PERSONNEL	173	27	106		6.205	0.058	17.215
ENGINEERING PERSONNEL	91	165	59		3.439	0.476	3.748
TOTAL	549	212	936	1697	49.576	0.682	91.236
IN-SERVICE INSPECTION							
MAINTENANCE PERSONNEL	0	0	77		0.019	0.000	7.370
OPERATING PERSONNEL	0	0	0		0.005	0.000	0.006
HEALTH PHYSICS PERSONNEL	0	0	1		0.007	0.000	0.086
SUPERVISORY PERSONNEL	0	0	0		0.005	0.000	0.009
ENGINEERING PERSONNEL	8	0	0		0.294	0.002	0.004
TOTAL	8	0	78	86	0.330	0.002	7.475
SPECIAL MAINTENANCE							
MAINTENANCE PERSONNEL	13	0	37		2.318	0.000	3.506
OPERATING PERSONNEL	16	0	2		0.999	0.000	0.022
HEALTH PHYSICS PERSONNEL	1	0	4		0.361	0.000	0.543
SUPERVISORY PERSONNEL	19	18	0		0.678	0.037	0.000
ENGINEERING PERSONNEL	1	5	0		0.030	0.013	0.000
TOTAL	50	23	43	116	4.386	0.050	4.071
WASTE PROCESSING							
MAINTENANCE PERSONNEL	0	0	1		0.033	0.000	0.110
OPERATING PERSONNEL	12	0	157		0.705	0.000	1.562
HEALTH PHYSICS PERSONNEL	3	0	0		1.048	0.000	0.035
SUPERVISORY PERSONNEL	17	0	0		0.599	0.000	0.000
ENGINEERING PERSONNEL	0	0	0		0.006	0.000	0.017
TOTAL	32	0	158	190	2.391	0.000	1.724
REFUELING							
MAINTENANCE PERSONNEL	46	0	27		8.139	0.000	2.540
OPERATING PERSONNEL	24	0	0		1.434	0.000	0.000
HEALTH PHYSICS PERSONNEL	3	0	3		0.979	0.000	0.366
SUPERVISORY PERSONNEL	53	0	2		1.903	0.000	0.312
ENGINEERING PERSONNEL	5	10	0		0.209	0.028	0.000
TOTAL	131	10	32	173	12.664	0.028	3.218
TOTAL BY JOB FUNCTION							
MAINTENANCE PERSONNEL	187	27	751	965	33.006	0.200	71.940
OPERATING PERSONNEL	271	0	301	572	16.516	0.000	3.002
HEALTH PHYSICS PERSONNEL	40	0	91	131	14.287	0.000	12.320
SUPERVISORY PERSONNEL	276	45	108	429	9.887	0.095	17.536
ENGINEERING PERSONNEL	127	182	59	368	4.796	0.524	3.776
GRAND TOTAL	901	254	1310	2465	78.492	0.819	108.574