

Commonwealth Edison Company
Braidwood Generating Station
Route #1, Box 84
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Tel 815-458-2801



March 21, 2000
BW000029

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: 1999 Occupational Radiation Exposure Report

In accordance with Braidwood Station Technical Specification 5.6.1, "Occupational Radiation Exposure Report," Braidwood Station is submitting the facility 1999 Occupational Radiation Exposure Report. This report is a tabulation of station, utility, and other personnel receiving an annual deep dose equivalent of >100 mrem. The associated collective deep dose equivalent is reported according to work and job functions.

If you have any questions regarding this information, please contact Mr. Terrence W. Simpkin, Regulatory Assurance Manager, at (815) 458-2801, extension 2980.

Respectfully,

A handwritten signature in black ink, appearing to read "T. J. Tulon".

T. J. Tulon
Site Vice President
Braidwood Station

Attachment

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Braidwood Station

IESD

REGULATORY GUIDE 1.16 REPORT

NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB FUNCTION FOR 1999

-- NUMBER OF PERSONNEL (> 100 MREM) --

----- QUANTITY OF PERSON-REM -----

WORK AND JOB FUNCTION	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSONS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSON-REM
REACTOR OPERATIONS AND SURVEILLANCE								
MAINTENANCE	12	0	4		0.043	0.000	0.007	
OPERATIONS	53	3	2		6.514	0.005	0.097	
HEALTH PHYSICS	38	7	12		4.082	0.154	0.003	
SUPERVISORY	9	0	0		0.267	0.000	0.000	
ENGINEERING	9	0	0		0.247	0.000	0.000	
	121	10	18	149	11.153	0.159	0.107	11.419
ROUTINE MAINTENANCE								
MAINTENANCE	93	0	248		14.457	0.000	39.940	
OPERATIONS	54	4	1		3.925	0.610	0.001	
HEALTH PHYSICS	39	14	19		10.207	2.142	4.070	
SUPERVISORY	11	0	0		1.079	0.000	0.000	
ENGINEERING	10	0	0		0.929	0.000	0.000	
	207	18	268	493	30.597	2.752	44.011	77.360
INSERVICE INSPECTION								
MAINTENANCE	34	0	97		0.333	0.000	10.690	
OPERATIONS	25	1	0		0.219	0.004	0.000	
HEALTH PHYSICS	22	2	0		0.429	0.157	0.000	
SUPERVISORY	3	0	0		0.009	0.000	0.000	
ENGINEERING	8	0	0		0.178	0.000	0.000	
	92	3	97	192	1.168	0.161	10.690	12.019
SPECIAL MAINTENANCE								
MAINTENANCE	63	0	23		3.152	0.000	1.563	
OPERATIONS	12	0	0		0.068	0.000	0.000	
HEALTH PHYSICS	33	0	5		0.759	0.000	0.060	
SUPERVISORY	4	0	0		0.094	0.000	0.000	
ENGINEERING	3	0	0		0.004	0.000	0.000	
	115	0	28	143	4.077	0.000	1.623	5.700
WASTE PROCESSING								
MAINTENANCE	1	0	0		0.000	0.000	0.000	
OPERATIONS	8	0	2		0.016	0.000	0.699	
HEALTH PHYSICS	22	0	0		0.129	0.000	0.000	
SUPERVISORY	0	0	0		0.000	0.000	0.000	
ENGINEERING	0	0	0		0.000	0.000	0.000	
	31	0	2	33	0.145	0.000	0.699	0.844
REFUELING								
MAINTENANCE	32	0	64		3.951	0.000	6.215	
OPERATIONS	8	2	0		0.500	0.170	0.000	
HEALTH PHYSICS	6	6	4		0.099	0.841	0.295	
SUPERVISORY	3	0	0		0.480	0.000	0.000	
ENGINEERING	1	0	0		0.003	0.000	0.000	
	50	8	68	126	5.033	1.011	6.510	12.554

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WORK AND JOB FUNCTION	-- NUMBER OF PERSONNEL (> 100 MREM) --				----- QUANTITY OF PERSON-REM -----			
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSONS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSON-REM
TOTAL BY JOB FUNCTION								
MAINTENANCE	93	0	247	340	21.936	0.000	58.415	80.351
OPERATING	53	4	2	59	11.242	0.789	0.797	12.828
HEALTH PHYSICS	38	15	19	72	15.705	3.294	4.428	23.427
SUPERVISORY	12	0	0	12	1.929	0.000	0.000	1.929
ENGINEERING	9	0	0	9	1.361	0.000	0.000	1.361
*** GRAND TOTAL ***	205	19	268	492	52.173	4.083	63.640	119.896