

Exelon Generation  
Braidwood Generating Station  
35100 South Route 53, Suite 84  
Braceville, IL 60407-9619  
Tel 815-458-2801

www.exeloncorp.com

March 30, 2001  
BW010037

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: 2000 Occupational Radiation Exposure Report

In accordance with Technical Specification 5.6.1, "Occupational Radiation Exposure Report," Braidwood Station is submitting the facility 2000 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. During the year individuals may have changed work and/or job functions. The "total by job function" category lists individuals by the last job function of the year.

Special maintenance activities in the year 2000 included modifications to the fuel transport system, inspection and top nozzle replacement, radiography and inspection, repair and cleanup of equipment in inaccessible valve aisles and filter vaults.

If you have any questions regarding this information, please contact Ms. Amy Ferko, Regulatory Assurance Manager, at (815) 458-2801, extension 2980.

Respectfully,



G. K. Schwartz  
Plant Manager  
Braidwood Station

Attachment

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



# Exelon Braidwood Nuclear Station

## REGULATORY GUIDE 1.16 REPORT

### NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB FUNCTION FOR 2000

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
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REACTOR OPERATIONS AND SURVEILLANCE								
MAINTENANCE	42	0	27		0.615	0.000	0.244	
OPERATIONS	71	2	1		2.150	0.000	0.062	
HEALTH PHYSICS	49	3	25		4.296	0.000	0.020	
SUPERVISORY	10	1	0		0.099	0.000	0.000	
ENGINEERING	8	0	0		0.085	0.000	0.000	
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	180	6	53	239	7.245	0.000	0.326	7.571
ROUTINE MAINTENANCE								
MAINTENANCE	124	0	323		17.045	0.000	55.066	
OPERATIONS	68	1	2		9.147	0.232	0.416	
HEALTH PHYSICS	49	6	27		12.684	0.677	5.371	
SUPERVISORY	16	1	0		1.394	0.011	0.000	
ENGINEERING	14	0	0		1.789	0.000	0.000	
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	271	8	352	631	42.059	0.920	60.853	103.832
INSERVICE INSPECTION								
MAINTENANCE	47	0	91		0.436	0.000	12.416	
OPERATIONS	26	0	0		0.134	0.000	0.000	
HEALTH PHYSICS	25	0	3		0.257	0.000	0.031	
SUPERVISORY	2	0	0		0.004	0.000	0.000	
ENGINEERING	4	0	0		0.093	0.000	0.000	
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	104	0	94	198	0.924	0.000	12.447	13.371
SPECIAL MAINTENANCE								
MAINTENANCE	24	0	7		0.021	0.000	0.551	
OPERATIONS	11	0	0		0.016	0.000	0.000	
HEALTH PHYSICS	32	0	1		0.057	0.000	0.000	
SUPERVISORY	3	0	0		0.009	0.000	0.000	
ENGINEERING	2	0	0		0.000	0.000	0.000	
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	72	0	8	80	0.103	0.000	0.551	0.654
WASTE PROCESSING								
MAINTENANCE	0	0	0		0.000	0.000	0.000	
OPERATIONS	16	0	2		0.035	0.000	0.470	
HEALTH PHYSICS	28	0	0		0.240	0.000	0.000	
SUPERVISORY	0	0	0		0.000	0.000	0.000	
ENGINEERING	0	0	0		0.000	0.000	0.000	
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	44	0	2	46	0.275	0.000	0.470	0.745
REFUELING								
MAINTENANCE	91	0	89		10.278	0.000	11.234	
OPERATIONS	29	1	0		3.222	0.124	0.000	
HEALTH PHYSICS	16	3	3		0.335	0.339	0.269	
SUPERVISORY	8	1	0		1.858	0.008	0.000	
ENGINEERING	7	0	0		0.626	0.000	0.000	
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	151	5	92	248	16.319	0.471	11.503	28.293

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

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

WORK AND JOB FUNCTION	STATION	UTILITY	CONTRACTORS/	TOTAL	STATION	UTILITY	CONTRACTORS/	TOTAL
	EMPLOYEES	EMPLOYEES	OTHERS	PERSONS	EMPLOYEES	EMPLOYEES	OTHERS	PERSON-REM
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TOTAL BY JOB FUNCTION								
MAINTENANCE	124	0	323	447	28.395	0.000	79.511	107.906
OPERATING	75	3	2	80	14.704	0.356	0.948	16.008
HEALTH PHYSICS	47	7	27	81	17.869	1.016	5.691	24.576
SUPERVISORY	16	0	0	16	3.364	0.019	0.000	3.383
ENGINEERING	13	0	1	14	2.593	0.000	0.000	2.593
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*** GRAND TOTAL ***	275	10	353	638	66.925	1.391	86.150	154.466