

Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

Regulatory Guide 1.16

April 18, 2001

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United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

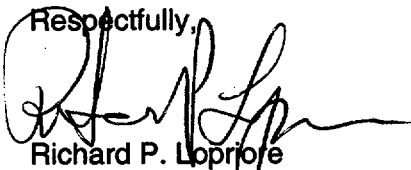
Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: 2000 Occupational Radiation Exposure Report

In accordance with Technical Specification 5.6.1, "Occupational Radiation Exposure Report," Byron Station is submitting the facility 2000 Occupational Radiation Exposure Report. This report is a tabulation of station, utility, and other personnel (including contractors) receiving an annual deep dose equivalent of greater than 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 P. Reister, Regulatory Assurance Manager, at (815) 234-5441, extension 2280.

Respectfully,



Richard P. Loppre
Site Vice President
Byron Nuclear Generating Station

RPL/DT/bka/dpk

Attachment

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

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REGULATORY GUIDE 1.16 REPORT

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

-- 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	7	0	0		0.079	0.000	0.000	
OPERATIONS	16	0	0		0.923	0.000	0.000	
HEALTH PHYSICS	6	0	0		0.057	0.000	0.000	
SUPERVISORY	0	0	0		0.000	0.000	0.000	
ENGINEERING	5	0	0		0.077	0.000	0.000	
	34	0	0	34	1.136	0.000	0.000	1.136
ROUTINE MAINTENANCE								
MAINTENANCE	97	0	182		21.298	0.000	30.098	
OPERATIONS	37	4	1		5.325	0.890	0.010	
HEALTH PHYSICS	24	1	27		7.060	0.091	6.272	
SUPERVISORY	20	0	28		3.046	0.000	8.340	
ENGINEERING	10	0	0		2.266	0.000	0.000	
	188	5	238	431	38.995	0.981	44.720	84.696
INSERVICE INSPECTION								
MAINTENANCE	2	0	54		0.022	0.000	4.513	
OPERATIONS	4	0	0		0.023	0.000	0.000	
HEALTH PHYSICS	0	0	7		0.000	0.000	0.127	
SUPERVISORY	1	0	4		0.000	0.000	0.077	
ENGINEERING	6	0	0		0.221	0.000	0.000	
	13	0	65	78	0.266	0.000	4.717	4.983
SPECIAL MAINTENANCE								
MAINTENANCE	47	0	164		3.231	0.000	72.489	
OPERATIONS	11	1	0		0.050	0.200	0.000	
HEALTH PHYSICS	8	0	18		0.000	0.000	5.551	
SUPERVISORY	9	0	8		1.142	0.000	5.279	
ENGINEERING	1	0	0		0.299	0.000	0.000	
	76	1	190	267	4.722	0.200	83.319	88.241
WASTE PROCESSING								
MAINTENANCE	4	0	9		0.000	0.000	0.341	
OPERATIONS	7	0	1		0.006	0.000	0.537	
HEALTH PHYSICS	6	0	0		0.034	0.000	0.000	
SUPERVISORY	2	0	0		0.001	0.000	0.000	
ENGINEERING	0	0	0		0.000	0.000	0.000	
	19	0	10	29	0.041	0.000	0.878	0.919
REFUELING								
MAINTENANCE	14	0	8		0.169	0.000	0.112	
OPERATIONS	11	1	0		1.266	0.044	0.000	
HEALTH PHYSICS	4	1	0		0.079	0.055	0.000	
SUPERVISORY	4	0	0		0.355	0.000	0.000	
ENGINEERING	1	0	0		0.023	0.000	0.000	
	34	2	8	44	1.892	0.099	0.112	2.103

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WORK AND JOB FUNCTION	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSONS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS/ OTHERS	TOTAL PERSON-REM

TOTAL BY JOB FUNCTION								
MAINTENANCE	97	0	231	328	24.799	0.000	107.553	132.352
OPERATING	37	4	1	42	7.593	1.134	0.547	9.274
HEALTH PHYSICS	24	1	34	59	7.230	0.146	11.950	19.326
SUPERVISORY	20	0	35	55	4.544	0.000	13.696	18.240
ENGINEERING	10	0	1	11	2.886	0.000	0.000	2.886

*** GRAND TOTAL ***	188	5	302	495	47.052	1.280	133.746	182.078