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April 10, 2002

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: McGuire Nuclear Station  
Docket Nos. 50-369 and 50-370  
Occupational Radiation Exposure Report

McGuire Technical Specification 5.6.1 requires the submittal of an annual Occupational Radiation Exposure Report covering the previous calendar year. The attached report is submitted in accordance with 10CFR 50.4 and to meet this Technical Specification reporting requirement. The report provides a tabulation of the number of station, utility, and other personnel (including contractors) receiving exposure greater than 100mRem followed by the total dose for each respective worker classification and job function for the 2001 calendar year.

No administrative or regulatory limits were exceeded by any worker. There are no regulatory commitments contained in this submittal. Questions concerning this report should be directed to Kay Crane at (704) 875-4306.

A handwritten signature in cursive script, appearing to read 'H. B. Barron'.

H. B. Barron

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cc: Mr. R. E. Martin Project Manager  
U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555

Mr. Luis Reyes  
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Mr. Scott Shaeffer  
Senior Resident Inspector  
McGuire Nuclear Station

DUKE POWER COMPANY - MCGUIRE NUCLEAR STATION  
TABULATION OF NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB  
FUNCTION FOR 2001

DATE: 04/03/02

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL(>100 MREM)			TOTAL PERSON-REM(>100 MREM)		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS AND OTHERS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS AND OTHERS
<b>**IN-SERVICE INSPECTION</b>						
ENGINEERING	2	1	1	0.055	0.000	0.186
HEALTH PHYSICS	11	0	19	0.101	0.000	0.189
MAINTENANCE	27	64	49	0.768	2.166	3.266
OPERATING	1	0	6	0.006	0.000	0.078
SUPERVISION	5	9	14	0.440	2.042	1.082
<b>**REACTOR OPERS. &amp; SURVEILLANCE</b>						
ENGINEERING	5	1	1	0.199	0.000	0.009
HEALTH PHYSICS	19	0	37	1.032	0.000	0.868
MAINTENANCE	73	102	155	0.588	0.713	0.181
OPERATING	49	0	8	3.438	0.000	0.060
SUPERVISION	9	10	21	0.041	0.002	0.176
<b>**REFUELING</b>						
ENGINEERING	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	1	0	1	0.000	0.000	0.000
MAINTENANCE	1	24	1	0.000	0.017	0.002
OPERATING	0	0	0	0.000	0.000	0.000
SUPERVISION	0	0	1	0.000	0.000	0.000
<b>**ROUTINE MAINTENANCE</b>						
ENGINEERING	5	1	0	0.461	0.293	0.000
HEALTH PHYSICS	19	0	37	2.278	0.000	5.305
MAINTENANCE	73	102	148	18.258	25.498	38.060
OPERATING	49	0	10	4.546	0.000	2.167
SUPERVISION	10	10	20	1.592	0.784	2.458
<b>**SPECIAL MAINTENANCE</b>						
ENGINEERING	1	0	0	0.000	0.000	0.000
HEALTH PHYSICS	8	0	4	0.026	0.000	0.012
MAINTENANCE	35	35	17	0.243	0.182	0.073
OPERATING	3	0	0	0.008	0.000	0.000
SUPERVISION	2	0	1	0.000	0.000	0.000
<b>**WASTE PROCESSING</b>						
ENGINEERING	1	0	0	0.000	0.000	0.000
HEALTH PHYSICS	17	0	16	1.687	0.000	0.362
MAINTENANCE	16	12	5	0.061	0.008	0.000
OPERATING	4	0	9	0.353	0.000	0.132
SUPERVISION	3	1	0	0.005	0.000	0.000
<b>**TOTAL</b>						
ENGINEERING	5	1	1	0.715	0.293	0.195
HEALTH PHYSICS	19	0	37	5.124	0.000	6.736
MAINTENANCE	73	103	156	19.918	28.584	41.582
OPERATING	49	0	10	8.351	0.000	2.437
SUPERVISION	10	10	21	2.078	2.828	3.716
GRAND TOTAL	156	114	225	36.186	31.705	54.666

STATION TOTAL DOSE FOR 2001 WAS 137 PERSON-REM (TLD)