



Duke Energy Corporation

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H. B. Barron
Vice President

February 3, 2000

U. S. Nuclear Regulatory Commission
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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 1999 calendar year.

Questions should be directed to Kay Crane at (704) 875-4306.

Very truly yours,

H. B. Barron, Vice President
McGuire Nuclear Site

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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 1999

DATE: 01/19/00

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
**IN-SERVICE INSPECTION						
ENGINEERING	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	3	0	18	0.001	0.000	0.202
MAINTENANCE	32	21	45	0.095	0.185	0.506
OPERATING	5	0	5	0.006	0.000	0.004
SUPERVISION	5	14	10	0.030	0.324	0.046
**REACTOR OPERS. & SURVEILLANCE						
ENGINEERING	5	4	0	0.026	0.146	0.000
HEALTH PHYSICS	18	0	61	1.251	0.000	1.120
MAINTENANCE	114	145	234	0.478	0.478	0.448
OPERATING	69	0	17	2.587	0.000	0.727
SUPERVISION	9	23	18	0.032	0.023	0.006
**REFUELING						
ENGINEERING	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	0	0	2	0.000	0.000	0.002
MAINTENANCE	1	33	2	0.000	0.078	0.000
OPERATING	1	0	0	0.001	0.000	0.000
SUPERVISION	0	0	2	0.000	0.000	0.000
**ROUTINE MAINTENANCE						
ENGINEERING	5	4	0	0.864	0.548	0.000
HEALTH PHYSICS	18	1	60	4.190	0.080	16.940
MAINTENANCE	114	146	238	30.302	49.090	109.249
OPERATING	77	0	19	13.473	0.000	5.106
SUPERVISION	9	23	18	2.656	7.024	4.225
**SPECIAL MAINTENANCE						
ENGINEERING	0	1	0	0.000	0.000	0.000
HEALTH PHYSICS	6	0	23	0.123	0.000	0.116
MAINTENANCE	45	42	33	0.506	0.101	0.148
OPERATING	4	0	10	0.003	0.000	0.006
SUPERVISION	6	2	5	0.008	0.003	0.002
**WASTE PROCESSING						
ENGINEERING	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	1	0	0	0.000	0.000	0.000
MAINTENANCE	0	0	1	0.000	0.000	0.001
OPERATING	0	0	17	0.000	0.000	0.146
SUPERVISION	0	0	0	0.000	0.000	0.000
**TOTAL						
ENGINEERING	5	4	0	0.890	0.694	0.000
HEALTH PHYSICS	18	1	61	5.565	0.080	18.380
MAINTENANCE	114	146	238	31.381	49.932	110.352
OPERATING	77	0	19	16.070	0.000	5.989
SUPERVISION	9	23	19	2.726	7.374	4.279
GRAND TOTAL	223	174	337	56.632	58.080	139.000

STATION TOTAL DOSE FOR 1999 WAS 257 PERSON-REM (TLB)