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**DUKE POWER**

March 1, 1990

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

Subject: McGuire Nuclear Station  
Docket Numbers 89-369 and -370  
Personnel Exposure Monitoring

Attached are personnel exposure monitoring data, as required by Technical Specification 6.9.1.5 and 10 CFR 20.407, for McGuire Nuclear Station for the 1989 calendar year.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Hal B. Tucker'.

Hal B. Tucker

SAG214/lcs

xc: Mr. Stewart D. Ebner  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., NW, Suite 2900  
Atlanta, Georgia 30323

Mr. P. K. VanDoorn  
Sr. NRC Resident Inspector  
McGuire Nuclear Station

Mr. Darl Hood  
Office of Nuclear Reactor Regulation  
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Washington, D.C. 20555

Ms. Dottie Sherman, ANI Library  
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The Exchange, Suite 245  
270 Farmington Avenue  
Farmington, CT 06032

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Statistical Report of Recorded  
Whole Body Exposures

Estimated Whole Body  
Exposure Range (REMS)

No. Of Individuals  
In Each Range

< .001	1505
.001 - 0.10	841
0.10 - 0.25	383
0.25 - 0.50	347
0.50 - 0.75	166
0.75 - 1.00	91
1.00 - 2.00	160
2.00 - 3.00	6
> 3.00	0

DATE: 02/16/91 TIME: 12:58 EST

JABULATION OF NUMBER OF PERSONNEL AND PERSONNEL BY WORK AND JOB FUNCTION FOR 1989

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (15100 HREM)		TOTAL PERSONNEL (15100 HREM)	
	STATION EMPLOYEES	UTILITY CONTRACT WORKERS AND OTHERS	STATION EMPLOYEES	UTILITY CONTRACT WORKERS AND OTHERS
<b>REACTOR OPERATIONS &amp; SURVEILLANCE</b>				
MAINTENANCE PERSONNEL	215	195	2,320	0.767
OPERATING PERSONNEL	50	50	1,500	0.500
HEALTH PHYSICS PERSONNEL	02	03	0.000	0.000
SUPERVISORY PERSONNEL	00	01	1.525	0.000
ENGINEERING PERSONNEL	00	00	0.000	0.000
<b>ROUTINE MAINTENANCE</b>				
MAINTENANCE PERSONNEL	220	202	61.085	45.140
OPERATING PERSONNEL	00	00	1.100	1.000
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	01	1.275	1.000
ENGINEERING PERSONNEL	00	00	1.000	1.000
<b>INSERVICE INSPECTION</b>				
MAINTENANCE PERSONNEL	52	80	16.225	26.000
OPERATING PERSONNEL	10	07	0.000	0.000
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	00	0.000	0.000
ENGINEERING PERSONNEL	00	00	1.000	1.000
<b>SPECIAL MAINTENANCE</b>				
MAINTENANCE PERSONNEL	215	160	16.591	65.000
OPERATING PERSONNEL	00	00	0.000	0.000
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	01	0.000	0.000
ENGINEERING PERSONNEL	00	00	0.000	0.000
<b>WASTE PROCESSING</b>				
MAINTENANCE PERSONNEL	200	10	7.000	0.075
OPERATING PERSONNEL	00	00	0.000	0.000
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	00	0.000	0.000
ENGINEERING PERSONNEL	00	00	0.000	0.000
<b>REFUELLING</b>				
MAINTENANCE PERSONNEL	170	20	5.960	7.920
OPERATING PERSONNEL	00	00	0.000	0.000
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	00	0.000	0.000
ENGINEERING PERSONNEL	00	00	0.000	0.000

DATE: 02/16/91 TIME: 12:58 EST

JABULATION OF NUMBER OF PERSONNEL AND PERSONNEL BY WORK AND JOB FUNCTION FOR 1989

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (15100 HREM)		TOTAL PERSONNEL (15100 HREM)	
	STATION EMPLOYEES	UTILITY CONTRACT WORKERS AND OTHERS	STATION EMPLOYEES	UTILITY CONTRACT WORKERS AND OTHERS
<b>TOTAL</b>				
MAINTENANCE PERSONNEL	210	210	86.941	136.277
OPERATING PERSONNEL	50	50	1.500	1.500
HEALTH PHYSICS PERSONNEL	00	00	0.000	0.000
SUPERVISORY PERSONNEL	00	01	1.525	1.000
ENGINEERING PERSONNEL	00	00	0.000	0.000
<b>GRAND TOTAL</b>	<b>430</b>	<b>366</b>	<b>207.352</b>	<b>242.562</b>