



March 31, 1989

Director
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Reference: NRC License SNM-1097, Docket #70-1113

General Electric Company Nuclear Fuel & Components Manufacturing hereby submits the information required by 10 CFR 20.407 for the calendar year 1988.

In accordance with 10 CFR 20.407(a)(2), a total of 1,000 individuals were provided personnel monitoring during 1988. This total also includes individuals for whom personnel monitoring was required under 10 CFR 20.202(a).

The statistical summary required by 10 CFR 20.407(b) is attached. For each stipulated range of estimated exposure, the number of individuals is shown whose measured wholebody exposure for 1988 fell within that range.

General Electric personnel would be pleased to provide further information if required.

Very truly yours,

GE NUCLEAR ENERGY

T. Preston Winslow, Manager
Licensing & Nuclear Materials Management

/sbm

Attachment

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ATTACHMENT

The following is a statistical summary showing the number of individuals for whom personnel monitoring was provided during 1988 whose total wholebody exposures fall into each of the stipulated ranges of estimated exposure.

<u>Estimate Wholebody Exposure Range, rems*</u>	<u>Number of Individuals in Each Range</u>
No Measurable Exposure	369
0.0- 0.1	379
0.1-0.25	203
0.25- 0.5	48
0.5-0.75	1
0.75- 1.0	0
1.0- 2.0	0
2.0- 3.0	0
3.0- 4.0	0
4.0- 5.0	0
5.0- 6.0	0
6.0- 7.0	0
7.0- 8.0	0
8.0- 9.0	0
9.0-10.0	0
10.0-11.0	0
11.0-12.0	0
12.0+	0
TOTAL	<u>1,000</u>

*Individual values exactly equal to the values separating exposure ranges are reported in the higher range.

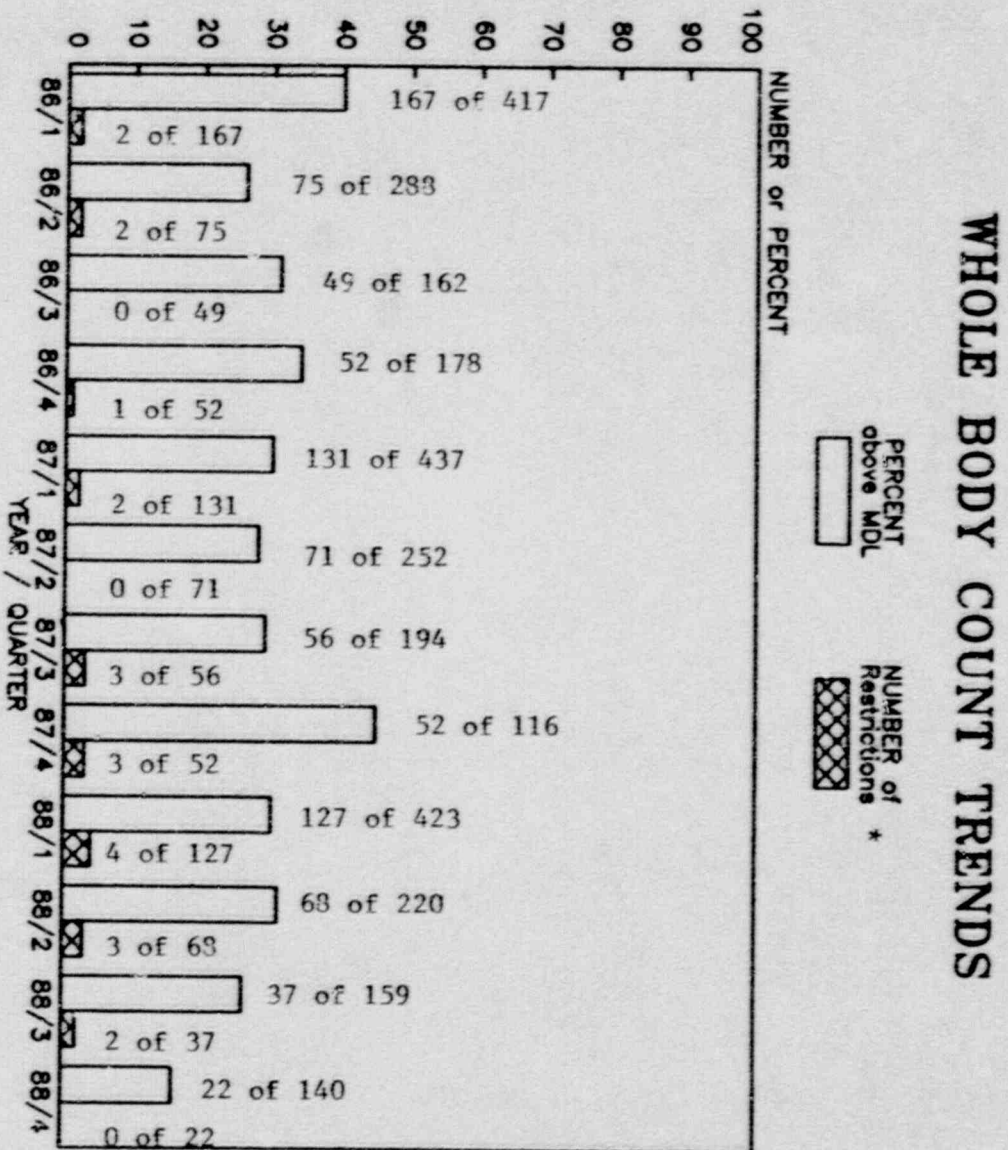
ANNUAL AVERAGE AIRBORNE CONCENTRATION LEVELS

(EXPRESSED AS FRACTION OF MAXIMUM
PERMISSIBLE CONCENTRATION IN 10 CFR 20*)

<u>AREA</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
UF ₆ Vaporization	0.15	0.15	0.22	0.09
ADU Calciner	0.20	0.21	0.21	0.20
GECO (Main Floor)	0.11	0.15	0.12	0.11
Scrap (REDCAP)	0.38	0.29	0.24	0.21
Sluggers	0.22	0.25	0.23	0.21
Decon Facility				
Outer Room	0.09	0.04	0.09	0.09
Inner Room	0.52	0.43	0.68	0.62
Pellet Presses	0.12	0.11	0.11	0.10
Rod Load	0.09	0.11	0.11	0.08
Waste Treatment	0.04	0.11	0.35	0.21

*For all areas, the MPCa for insoluble uranium of 1×10^{-10} $\mu\text{Ci/cc}$ was used to determine fractions

FIGURE 12.7
LUNG COUNTING TRENDS AT GE-WILMINGTON



*None of these restrictions turned out to be bona fide lung burdens

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