



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

MAR 20 1991

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

Gentlemen:

In the Matter of)	Docket Nos.	50-259	50-390
Tennessee Valley Authority)		50-260	50-391
			50-296	50-438
			50-327	50-439
			50-328	30-17797

ANNUAL REPORT OF OCCUPATIONAL RADIATION EXPOSURE INFORMATION SUBMITTED IN ACCORDANCE WITH 10 CFR 20.407 - CALENDAR YEAR 1990

Enclosed is a report in compliance with 10 CFR 20.407 concerning the statistical breakdown on personnel radiation monitoring information for each license number held for TVA's nuclear plants and TVA's radiography license. This report is for calendar year 1990.

If you have any questions, please telephone P. J. Hammons at (615) 751-2736.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Mark E. Buszynski for
E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

MAR 20 1991

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**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1990**

Licensee Reporting (Name & Address) Tennessee Valley Authority Browns Ferry Nuclear Plant Decatur, Alabama 35601	NRC License No(s). Facility Operating Licenses DPR-33, 52, 68 Docket No. 50-259, 260, 296
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IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	2644	0.000
Measurable Exposure Less Than 0.100	823	37.325
0.100 -- 0.250	592	98.384
0.250 -- 0.500	456	162.405
0.500 -- 0.750	260	159.711
0.750 -- 1.000	167	144.762
1.000 -- 2.000	304	419.405
2.000 -- 3.000	111	276.191
3.000 -- 4.000	4	12.213
4.000 -- 5.000	0	0.000
5.000 -- 6.000	0	0.000
6.000 -- 7.000	0	0.000
7.000 -- 8.000	0	0.000
8.000 -- 9.000	0	0.000
9.000 -- 10.000	0	0.000
10.000 -- 11.000	0	0.000
11.000 -- 12.000	0	0.000
> 12.000	0	0.000
Total number of individuals reported	<u>5361</u>	<u>1310.396</u>

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

required under 10 CFR 20.202(a) of 10 CFR 34.33(a) during the calendar year.

provided during the calendar year.

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

**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURE: CALENDAR YEAR 1990**

Licensee Reporting (Name & Address) Tennessee Valley Authority Sequoyah Nuclear Plant P.O. Box 2000, Daisy, TN 37319	NRC License No(s). Facility Operating Licenses DPR-77,79 Docket Nos. 50-327, 328
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IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	1929	0.000
Measurable Exposure Less Than 0.100	777	33.724
0.100 -- 0.250	531	89.605
0.250 -- 0.500	507	184.504
0.500 -- 0.750	353	219.684
0.750 -- 1.000	197	171.784
1.000 -- 2.000	405	566.756
2.000 -- 3.000	134	323.068
3.000 -- 4.000	30	97.708
4.000 -- 5.000	0	0.000
5.000 -- 6.000	0	0.000
6.000 -- 7.000	0	0.000
7.000 -- 8.000	0	0.000
8.000 -- 9.000	0	0.000
9.000 -- 10.000	0	0.000
10.000 -- 11.000	0	0.000
11.000 -- 12.000	0	0.000
> 12.000	0	0.000
Total number of individuals reported		4863
		1686.833

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

required under 10 CFR 20.202(a) of 10 CFR 34.33(a) during the calendar year.

provided during the calendar year.

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

**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1990**

Licensee Reporting (Name & Address) Tennessee Valley Authority Watts Bar Nuclear Plant Watts Bar Dam, TN 37395	NRC License No(s). 41-17572-01 SNM-1861, SNM-1873 Docket Nos. 50-390, 391
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IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	110	0.000
Measurable Exposure Less Than 0.100	0	0.000
0.100 -- 0.250	0	0.000
0.250 -- 0.500	0	0.000
0.500 -- 0.750	0	0.000
0.750 -- 1.000	0	0.000
1.000 -- 2.000	0	0.000
2.000 -- 3.000	0	0.000
3.000 -- 4.000	0	0.000
4.000 -- 5.000	0	0.000
5.000 -- 6.000	0	0.000
6.000 -- 7.000	0	0.000
7.000 -- 8.000	0	0.000
8.000 -- 9.000	0	0.000
9.000 -- 10.000	0	0.000
10.000 -- 11.000	0	0.000
11.000 -- 12.000	0	0.000
> 12.000	0	0.000
Total number of individuals reported		<u>110</u>
		<u>0.000</u>

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

- required under 10 CFR 20.202(a) of 10 CFR 34.33(a) during the calendar year.
- provided during the calendar year.

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

**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1990**

Licensee Reporting (Name & Address) Tennessee Valley Authority Bellefonte Nuclear Plant Hollywood, Alabama 35762	NRC License No(s). 41-08165-10 SNM-1865, SNM-1883 Docket Nos. 50-438, 439
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IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	11	0.000
Measurable Exposure Less Than 0.100	0	0.000
0.100 -- 0.250	0	0.000
0.250 -- 0.500	0	0.000
0.500 -- 0.750	0	0.000
0.750 -- 1.000	0	0.000
1.000 -- 2.000	0	0.000
2.000 -- 3.000	0	0.000
3.000 -- 4.000	0	0.000
4.000 -- 5.000	0	0.000
5.000 -- 6.000	0	0.000
6.000 -- 7.000	0	0.000
7.000 -- 8.000	0	0.000
8.000 -- 9.000	0	0.000
9.000 -- 10.000	0	0.000
10.000 -- 11.000	0	0.000
11.000 -- 12.000	0	0.000
> 12.000	0	0.000
Total number of individuals reported		<u>11</u>
		<u>0.000</u>

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

required under 10 CFR 20.202(a) of 10 CFR 34.33(a) during the calendar year.

provided during the calendar year.

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

**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1990**

Licensee Reporting (Name & Address) Tennessee Valley Authority Vice President, Nuclear Technical Director, 6A-Lookout Place Chattanooga, TN 37402	MRC License No(s). 41-06832-06 Docket No. 30-17797
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IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

Annual Whole Body Dose Ranges * (Rems)	Number of Individuals in Each Range	Total Exposure (Rems)
No Measurable Exposure	10	0.000
Measurable Exposure Less Than 0.100	8	0.236
0.100 -- 0.250	5	0.815
0.250 -- 0.500	1	0.296
0.500 -- 0.750	2	1.166
0.750 -- 1.000	1	0.877
1.000 -- 2.000	0	0.000
2.000 -- 3.000	0	0.000
3.000 -- 4.000	0	0.000
4.000 -- 5.000	0	0.000
5.000 -- 6.000	0	0.000
6.000 -- 7.000	0	0.000
7.000 -- 8.000	0	0.000
8.000 -- 9.000	0	0.000
9.000 -- 10.000	0	0.000
10.000 -- 11.000	0	0.000
11.000 -- 12.000	0	0.000
> 12.000	0	0.000
Total number of individuals reported		<u>27</u>
		<u>3.390</u>

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

- required under 10 CFR 20.202(a) of 10 CFR 34.33(a) during the calendar year.
- provided during the calendar year.

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