



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2901

March 25, 1994

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 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 1993

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 1993.

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

Sincerely,

Bruce S. Schofield
for Bruce S. Schofield
Manager
Nuclear Licensing and Regulatory Affairs

Enclosure
cc: See page 2

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U. S. Nuclear Regulatory Commission

Page 2

March 25, 1994

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RECORDED PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1993

Licensing Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority Browns Ferry Nuclear Plant Decatur, AL 35601	Facility Operating License DPR-33, 68, 52 Docket No. 50-259,296,260

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	3420	0.000
Measurable Exposure Less Than 0.100	1462	60.746
0.100 -- 0.250	909	149.812
0.250 -- 0.500	681	243.388
0.500 -- 0.750	315	191.959
0.750 -- 1.000	143	121.023
1.000 -- 2.000	81	97.219
2.000 -- 3.000	3	6.280
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	7014	870.427

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) or 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.

RECORDED PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1993

Licensing Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority Sequoyah Nuclear Plant Soddy-Daisy, TN 37379	Facility Operating License DPR-77, 79 Docket No. 50-327,328

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	1911	0.000
Measurable Exposure Less Than 0.100	728	31.108
0.100 -- 0.250	403	67.025
0.250 -- 0.500	271	95.965
0.500 -- 0.750	148	89.929
0.750 -- 1.000	41	36.271
1.000 -- 2.000	37	50.139
2.000 -- 3.000	1	2.004
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	3540	372.441

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) or 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.

RECORDED PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1993

Licensing Reporting (Name & Address) Tennessee Valley Authority Watts Bar Nuclear Plant Watts Bar Dam, TN 37395	NRC License No(s). 41-17572-01 Facility Operating Licenses SNM-1861, 1873 Docket No. 50-390,391
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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	262	0.000
Measurable Exposure Less Than 0.100	20	0.414
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	282	0.414

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) or 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.

RECORDED PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1993

Licensing Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority Bellefonte Nuclear Plant Hollywood, AL 35762	41-08165-10 SNM-1865, SNM-1883 Docket No. 50-438,439

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	5	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	5	0.000

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) or 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.

RECORDED PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1993

Licensing Reporting (Name & Address)	NKC License No(s).
Tennessee Valley Authority Vice President, Technical Support LP 3B, Chattanooga, TN 37402	41-06832-06 Docket No. 30-17797

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	24	0.000
Measurable Exposure Less Than 0.100	12	0.305
0.100 -- 0.250	4	0.827
0.250 -- 0.500	1	0.277
0.500 -- 0.750	1	0.553
0.750 -- 1.000	0	0.000
1.000 -- 2.000	1	1.120
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	43	3.082

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) or 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.