



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

March 10, 1993

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 1992)

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 1992.

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

Sincerely,

for  
Mark J. Burzynski  
Manager  
Nuclear Licensing and Regulatory Affairs

Enclosure  
cc: See page 2

170058

9303170145 921231  
PDR ADOCK 05000259  
R PDR

*Handwritten initials: JE56*

U.S. Nuclear Regulatory Commission

Page 2

March 10, 1993

DVW:PJH:SJF

Enclosure

cc (Enclosure):

Mr. Paul Krippner  
American Nuclear Insurers  
Suite 300S  
29 South Main Street  
West Hartford, Connecticut 06107

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. D. E. LaBarge, Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

NRC Resident Inspector  
Sequoyah Nuclear Plant  
2600 Igou Ferry Road  
Soddy Daisy, Tennessee 37379

Mr. Peter S. Tam, Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

Watts Bar Resident Inspector  
Watts Bar Nuclear Plant  
P.O. Box 700  
Spring City, Tennessee 37381

Mr. Thierry M. Ross, Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

NRC Resident Inspector  
Browns Ferry Nuclear Plant  
Route 12, P.O. Box 637  
Athens, Alabama 35611

Mr. M. C. Thadani, Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

**SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED  
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 19 92**

<b>Licensee Reporting (Name &amp; Address)</b> Tennessee Valley Authority Browns Ferry Nuclear Plant Decatur, AL 35601	<b>NRC License No(s).</b> Facility Operating Licenses 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:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	3837	0.000
Measurable Exposure Less Than 0.100	1259	51.484
0.100 -- 0.250	679	110.192
0.250 -- 0.500	457	164.080
0.500 -- 0.750	169	101.400
0.750 -- 1.000	68	59.194
1.000 -- 2.000	26	29.950
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
<b>Total number of individuals reported</b> 6495		<b>516.300</b>

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 1992**

<b>Licensee Reporting (Name &amp; Address)</b> Tennessee Valley Authority Sequoyah Nuclear Plant Soddy-Daisy, TN 37379	<b>NRC License No(s).</b> Facility Operating Licenses 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:

<u>Annual Whole Body Dose Ranges * (Rems)</u>	<u>Number of Individuals in Each Range</u>	<u>Total Exposure (Rems)</u>
No Measurable Exposure	1821	0.000
Measurable Exposure Less Than 0.100	662	27.449
0.100 -- 0.250	391	64.919
0.250 -- 0.500	355	129.333
0.500 -- 0.750	177	109.697
0.750 -- 1.000	76	64.693
1.000 -- 2.000	52	66.511
2.000 -- 3.000	1	2.018
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		3535
		464.620

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 1992**

**Licensee Reporting (Name & Address)**  
Tennessee Valley Authority  
Watts Bar Nuclear Plant  
Watts Bar Dam, TN 37395

**NRC License No(s).**  
**Facility Operating Licenses**  
SNM-1861, 1873  
Docket No. 50-390, 391

**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	179	0.000
Measurable Exposure Less Than 0.100	26	0.698
0.100 -- 0.250	4	0.518
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
<b>Total number of individuals reported</b> <u>209</u>		<u>1.216</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 1992**

<b>Licensee Reporting (Name &amp; Address)</b> Tennessee Valley Authority Bellefonte Nuclear Plant Hollywood, Alabama 35762	<b>NRC License No(s).</b> 41-06165-10 SNM-1865, SNM-1883 Docket Nox. 50-438, 439
--	---

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	119	0.000
Measurable Exposure Less Than 0.100	14	0.290
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>133</u>		<u>0.290</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 value 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 19 92**

Licensee Reporting (Name & Address) Tennessee Valley Authority Vice President, Nuclear Assurance, Licensing, and Fuels, LP 3B, Chattanooga, TN 37407	NRC License No(s). 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	23	0.000
Measurable Exposure Less Than 0.100	14	0.637
0.100 -- 0.250	13	2.015
0.250 -- 0.500	8	2.651
0.500 -- 0.750	9	5.533
0.750 -- 1.000	4	3.606
1.000 -- 2.000	1	1.165
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 72 15.607

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 34.32(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.