



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

AUG 23 1991

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

Gentlemen:

In the Matter of
Tennessee Valley Authority

OVERDUE PERSONNEL EXPOSURE AND MONITORING REPORT FOR CALENDAR YEAR 1989

This is in response to Charleen T. Raddatz's letter to TVA dated August 15, 1991, concerning the above subject. Ms. Raddatz's letter indicated that TVA failed to submit annual occupational radiation exposure information as required by 10 CFR 20.407 for calendar year 1989, for material license 41-06 832-06. TVA submitted the required information for all of its licenses required by 10 CFR 20.407 by letter dated March 27, 1990. However, as requested by Ms. Raddatz's letter, enclosed is a copy of the report for the material license in question and exposure information for all of TVA's licenses for calendar year 1989. Also, the annual report for calendar year 1990 was submitted to NRC by letter dated March 20, 1991.

If you have any questions or if we can be of any assistance, please telephone P. J. Hammons at (615) 751-2736.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

E. G. Wallace, Manager
Nuclear Licensing
and Regulatory Affairs

Enclosures

cc: See page 2

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U.S. Nuclear Regulatory Commission

AUG 23 1991

Enclosures

cc (Enclosures):

Mr. B. A. Wilson, Chief, TVA Projects
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Ms. Charleen T. Raddatz
REIRS Project Manager
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NLRA

L44 900327 801

5N 157B Lookout Place

MAR 27 1990

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

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket Nos. 50-259 50-390
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 1989

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 1989.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Original Signed By
E. G. Wallace

E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

~~9004030259~~ 7pp.

MAR 27 1990

U.S. Nuclear Regulatory Commission

PJH:BGJ

cc (Enclosure):

Ms. S. C. Black, Assistant Director
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TVA Projects Division
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Mr. B. A. Wilson, Assistant Director
for Inspection Programs
TVA Projects Division
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Browns Ferry Resident Inspector
Browns Ferry Nuclear Plant
Route 12, P.O. Box 637
Athens, Alabama 35609-2000

Sequoyah Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37319

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

RIMS, MR 4N 35A-C
J. H. Barker, LP 5S 111D-C
M. J. Burzynski, O&PS-4, Sequoyah
J. R. Bynum, O&PS-4, Sequoyah
Patrick P. Carrier, PAB-C, Browns Ferry
C. G. Hudson, LP 5S 150D-C
R. J. Stevens, Watts Bar
R. F. Wilson, LP 6N 38A-C
O. J. Zeringue, PAB E, Browns Ferry

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SUGGESTED DRAFT FORMAT FOR THE REPORTING OF RECORDED
PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1989

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:

Annual Whole Body Dose Ranges* (Rems)	Number of Individuals In Each Range	Total Exposure (REMS)
No Measurable Exposure	2996	0.000
Measurable Exposure Less Than 0.100	1179	49.532
0.100 -- 0.250	714	116.799
0.250 -- 0.500	397	137.174
0.500 -- 0.750	164	101.386
0.750 -- 1.000	122	105.452
1.000 -- 2.000	97	123.052
2.000 -- 3.000	10	22.298
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:	5679	655.693

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 1989

Licensee Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority	Facility Operating Licenses
Sequoyah Nuclear Plant	DPR-77, 79
P.O. Box 2000	Docket Nos. 50-327, 328
Daisy, Tennessee 37319	

☐ 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	2111	0.000
Measurable Exposure Less Than 0.100	825	33.194
0.100 -- 0.250	437	72.085
0.250 -- 0.500	299	106.332
0.500 -- 0.750	164	101.300
0.750 -- 1.000	100	87.250
1.000 -- 2.000	174	239.830
2.000 -- 3.000	8	17.266
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:	4118	657.257

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 1989

Licensee Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority	
Watts Bar Nuclear Plant	41-17572-01
Watts Bar Dam, Tennessee 37395	SNM-1861, SNM-1873

☐ 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	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:	110	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) 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 1989

Licensee Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority	
Bellefonte Nuclear Plant	41-08165-10
Hollywood, Alabama 35762	SNM-1865, SNM-1883

☐ 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	9	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:	9	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) 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 1989

Licensee Reporting (Name & Address)	NRC License No(s).
Tennessee Valley Authority	
Division of Construction	41-06832-06
400 Commerce Avenue	
Knoxville, Tennessee 37902	

☐ 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	0.227
0.100 -- 0.250	3	0.423
0.250 -- 0.500	3	1.134
0.500 -- 0.750	1	0.644
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:	25	2.428

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.