



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

April 1, 2003

ATTN : Document Control Desk
Mail Stop OWFN, P1-35
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)	Docket Nos. 50-259
Tennessee Valley Authority)	50-260
		50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2, AND 3 ANNUAL
OCCUPATIONAL RADIATION EXPOSURE REPORT (AORER) - JANUARY THROUGH
DECEMBER 2002**

This letter provides the AORER for T-nits 1, 2, and 3 in accordance with BFN's Technical Specifications (TS) Section 5.6.1. This report covers the period from January through December 2002.

TS Section 5.6.1 requires that a report containing a tabulation or: an annual basis of the number of station employees (including contractors), for whom monitoring was performed, receiving an annual deep dose equivalent greater than 0.100 roentgen equivalent man (100 millirem). As required by Technical Specification 5.6.1, the report provides the associated deep dose equivalent (reported in man-rem, according to work and job function). The enclosed tabulation supplements the requirements of 10 CFR 20.2206.

The enclosed tabulation report reflects radiation exposure data as tracked by electronic dosimeters on Radiation Work Permits.

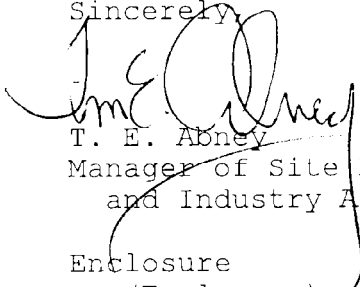
U.S. Nuclear Regulatory Commission

Page 2

April 1, 2003

There are no commitments contained in this letter. If you have any questions, please contact me at (256) 729-2636.

Sincerely,



T. E. Abney
Manager of Site Licensing
and Industry Affairs

Enclosure

cc (Enclosure):

(Via NRC Electronic Distribution)

Mr. Kahtan N. Jabbour, Senior Project Manager
U.S. Nuclear Regulatory Commission
(MS 08G9)
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Mr. Stephen J. Cahill, Branch Chief
U.S. Nuclear Regulatory Commission
Region II
61 Forsyth Street, S.W., Suite 23T85
Atlanta, Georgia 30303-8933

NRC Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611-6970

Mr. Ronald Sanacore
American Nuclear Insurers
Town Center, Suite 3005
29 South Main Street
West Hartford, Connecticut 06107-2430

U.S. Nuclear Regulatory Commission
Attn: REIRS Project Manager
Office of Nuclear Regulatory Research
Washington, D.C. 20555-0001

U.S. Nuclear Regulatory Commission
Page 3
April 1, 2003

DTL:JEW:BAB

Enclosure

cc (Enclosure)

A. S. Bhatnagar, PAB 1E-BFN
M. J. Burzynski, BR 4X-C
J. M. Corey, POB 2H-BFN
R. G. Jones, POB 2C-BFN
J. E. Maddox, LP 6A-C
D. C. Olcsvary, LP 6A-C
C. M. Root, PAB 1G-BFN
K. R. Rupert, LP GA-BFN
K. W. Singer, LP 6A-C
M. D. Skaggs, POB 2C-BFN
E. J. Vigluicci, ET 11A-K
R. E. Wiggall, PEC- 2A-BFN
EDMS, WT 3B-K (w/Enclosure)

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

ANNUAL OCCUPATIONAL RADIATION EXPOSURE REPORT (AORER) ,
JANUARY THROUGH DECEMBER 2002

(See Attached)

P. O. BOX 2000
 DECATUR, ALABAMA 35601-2000
 LICENSE: DPR-33, DPR-52, DPR-68

Regulatory Guide 1.16 Information
 End of Year Report 2002

Work and Job Function	Number of Personnel > 100 mrem			Total man-rem *		
	Station	Utility	contractor	Station	Utility	Contractor
ROUTINE OPERATIONS AND SURVEILLANCE						
MAINTENANCE PERSONNEL	0.722	0.017	1.176	0.208	0.006	0.241
OPERATIONS PERSONNEL	27.306	0.000	1.385	8.288	0.000	0.190
HEALTH PHYSICS PERSONNEL	9.610	0.316	8.285	3.603	0.135	3.856
SUPERVISORY PERSONNEL	3.276	0.000	0.136	0.562	0.000	0.014
ENGINEERING PERSONNEL	6.783	0.044	0.681	1.210	0.001	0.191
ROUTINE PLANT MAINTENANCE						
MAINTENANCE PERSONNEL	73.019	3.070	108.012	22.273	0.905	36.039
OPERATIONS PERSONNEL	35.657	0.000	0.000	10.017	0.000	0.000
HEALTH PHYSICS PERSONNEL	7.018	0.508	5.354	2.300	0.111	2.404
SUPERVISORY PERSONNEL	3.531	0.000	0.953	0.529	0.000	0.291
ENGINEERING PERSONNEL	7.905	6.117	1.616	1.584	0.941	0.352
INSERVICE. INSPECTION						
MAINTENANCE PERSONNEL	0.104	0.321	18.416	0.000	0.059	7.103
OPERATIONS PERSONNEL	0.089	0.000	0.000	0.036	0.000	0.000
HEALTH PHYSICS PERSONNEL	0.051	0.000	0.061	0.028	0.000	0.044
SUPERVISORY PERSONNEL	0.000	0.000	0.125	0.000	0.000	0.016
ENGINEERING PERSONNEL	0.525	2.932	9.596	0.154	0.494	1.981
SPECIAL PLANT MAINTENANCE						
MAINTENANCE PERSONNEL	5.673	0.631	213.609	1.831	0.139	66.385
OPERATIONS PERSONNEL	10.198	0.000	9.141	2.040	0.000	1.567
HEALTH PHYSICS PERSONNEL	4.762	1.449	8.781	2.419	0.701	4.039
SUPERVISORY PERSONNEL	0.576	0.000	2.012	0.230	0.000	0.609
ENGINEERING PERSONNEL	4.902	0.063	45.458	1.135	0.011	9.124
WASTE PROCESSING						
MAINTENANCE PERSONNEL	1.288	0.010	11.403	0.454	0.002	4.312
OPERATIONS PERSONNEL	13.021	0.000	1.968	4.519	0.000	1.547
HEALTH PHYSICS PERSONNEL	3.751	0.833	4.435	1.528	0.132	3.512
SUPERVISORY PERSONNEL	2.589	0.000	0.021	0.791	0.000	0.014
ENGINEERING PERSONNEL	0.137	0.000	0.000	0.030	0.000	0.000
REFUELING						
MAINTENANCE PERSONNEL	39.194	23.951	219.096	13.246	6.502	83.402
OPERATIONS PERSONNEL	28.741	1.000	0.000	8.488	0.126	0.000
HEALTH PHYSICS PERSONNEL	6.751	11.834	14.563	2.591	3.469	6.017
SUPERVISORY PERSONNEL	4.028	0.000	0.753	1.077	0.000	0.454
ENGINEERING PERSONNEL	9.107	3.843	5.420	2.465	0.609	0.728
Totals						
MAINTENANCE PERSONNEL	120.000	28.0**	511.712	38.057	7.613	197.562
OPERATIONS PERSONNEL	115.012	1.000	13.099	34.988	0.126	3.3114
HEALTH PHYSICS PERSONNEL	32.009	15.000	41.540	12.635	4.548	19.872
SUPERVISORY PERSONNEL	14.000	0.000	4.000	3.195	0.000	1.398
ENGINEERING PERSONNEL	29.959	13.000	62.172	6.578	2.068	12.976
Grand Totals	310.980	57.000	693.123	95.453	14.355	235.112

* The man-rem totals include dose only from individuals receiving more than 100 mrem throughout the year at the site.