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September 17, 2002

U. S. Nuclear Regulatory Commission
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 - UPDATE
TO THE ANNUAL RADIOLOGICAL EFFLUENT REPORT (ARER) - JANUARY
THROUGH DECEMBER 2001**

This letter provides an updated 2001 ARER including a corrected Enclosure 3, page 12, the original ARER was sent to NRC on April 16, 2001. This updated ARER also covers the period from January through December 2001, and supersedes the previous ARER.

During a follow-up review of the 2001 ARER, it was identified that Np-239 was erroneously listed as a particulate of the gaseous ground release in the Effluent and Waste Disposal Annual Report portion (Enclosure 3 on Page 12). As such, this particulate has now been removed from the report. This erroneous inclusion of Np-239 as a particulate did not have any significant effect on the total curies released from BFN in 2001.

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

Sincerely,

original signed by:

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

cc: See page 2

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Enclosure

cc (Enclosure):

(Via NRC Electronic Distribution)

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DTL:JEW:BAB

Enclosure

cc (w/o 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. W. Nix, POB 2D-BFN
- D. C. Olcsvary, 1P 6A-C
- W. L. Raines, WAR 1A-M
- C. M. Root, PAB 1G-BFN
- J. R. Rupert, LP 6A-C
- K. W. Singer, LP 6A-C
- M. D. Skaggs, POB 2C-BFN
- NSRB Support, LP 5M-C
- EDMS-K (w/Enclosure)

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ENCLOSURE

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

ANNUAL RADIOLOGICAL EFFLUENT REPORT (ARER)
JANUARY THROUGH DECEMBER 2001
ENCLOSURE 3, PAGE 12 UPDATE

(See Attached)

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT
YEAR 2001
GASEOUS EFFLUENTS- GROUND RELEASE

<u>CURIES</u>	<u>Quarter</u> <u>1</u>	<u>Quarter</u> <u>2</u>	<u>Quarter</u> <u>3</u>	<u>Quarter</u> <u>4</u>
3. Particulates*				
Sr-89	1.22E-04	2.51E-05	2.33E-05	5.58E-05
Sr-90	ND*	ND	ND	ND
Cs-134	ND	ND	ND	ND
Cs-137	ND	ND	ND	ND
Ba-140	5.79E-05	5.72E-06	4.29E-05	1.20E-04
La-140	1.34E-05	3.98E-06	3.57E-06	5.00E-05
Others (specify)				
Rb-89	4.61E-03	ND	5.98E-03	ND
Sr-91	4.74E-04	1.53E-04	3.73E-04	9.87E-04
Y-91m	2.97E-03	6.10E-04	8.18E-04	2.67E-03
Cs-138	6.28E-02	7.68E-03	1.21E-02	2.35E-02
Ba-139	3.15E-02	2.00E-02	1.92E-02	3.97E-02
<u>Total for Period*</u>	<u>1.03E-01</u>	<u>2.84E-02</u>	<u>3.85E-02</u>	<u>6.70E-02</u>
4. Tritium	4.23E+00	7.09E-01	2.81E+00	3.50E+00

*Include all nuclides even those with less than an eight day half-life.
**ND – Not Detected.