

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

June 23, 1982

Director of Licensing  
Attention: Mr. Domenic B. Vassallo, Chief  
Operating Reactors Branch No. 2  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Vassallo:

In the Matter of the ) Docket No. 50-259  
Tennessee Valley Authority ) 50-260  
50-296

Enclosed are some revisions to the Effluent and Waste Disposal Semi-Annual Report for year 1980 for the Browns Ferry Nuclear Plant. The data was originally submitted by my letter to you dated May 13, 1982. Since that time we have discovered a few minor errors in the solid waste-dry compressible waste, containment equipment figures which are identified and corrected in the enclosure.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*  
L. M. Mills, Manager  
Nuclear Licensing

Subscribed and sworn to before  
me this 23<sup>rd</sup> day of June 1982.

*Paulette H. White*  
Notary Public

My Commission Expires 9-5-84

Enclosure

cc: Office of Management Program Analysis  
Attention: Mr. M. R. Beebe  
Management Information Branch  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

A001

INSTALLATION= BROWN'S FERRY

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT FOR YEAR 1980  
SOLID WASTES

TYPE OF WASTE	UNIT	YEAR TOTAL
A. SPENT RESINS, FILTER SLUDGES, EVAPORATOR BOTTOMS, ETC.	M3	<del>7.60E+02</del> → 7.74E+02
B. DRY COMPRESSIBLE WASTE, CONTAMINATED EQUIPMENT, ETC.	Drums	<del>5.89E+03</del> → 6.00E+03
C. IRRADIATED COMPONENTS, CONTROL RODS, ETC.	Boxes	<del>4.80E+03</del> → 4,987
D. OTHER	Boxes	<del>4.48E+02</del> → 4.48E+02
		1.06E+03
		<del>4.20E+01</del> → 391
		6.54E+02
		<del>9.40E-01</del> → 3.53E+00
		<del>4.33E+02</del> → DELETE*
		2.73E+00

\*Item D waste has been incorporated into item C.

NO DATA FOR INDIVIDUAL ISOTOPES

ESTIMATE OF MAJOR NUCLIDE BY TYPE OF WASTE (YEAR TOTAL), Ci

NUCLIDE	A	B	C
Chromium-51	1.97E+03	1.30E+02	1.09E00
Zinc-65	1.53E+03	1.20E+02	8.49E-1
Iodine-131	1.33E+02	9.39E+00	4.56E-2
Cesium-137	7.23E+02	5.5E+01	5.19E-1
Cesium-134	6.33E+02	4.66E+01	4.13E-1
Cobalt-58	1.04E+02	8.06E+00	6.33E-2
Cobalt-60	4.65E+02	3.84E+01	3.04E-1
Zirconium-95	<2.45E+01	1.83E+00	1.50E-2
Niobium-95	4.86E+01	3.90E+00	3.97E-2
Lanthanum-140	<1.21E+01	1.14E+00	1.37E-2
Antimony-124	3.72E+00	2.7E-01	2.45E-2
Strontium-90	<1.74E+00	1.3E-01	1.01E-3
Manganese-54	7.97E+01	6.69E+00	5.09E-2
Silver-110m	9.36E+01	7.80E+00	1.00E-1
Iron-59	<3.59E+01	3.65E+00	5.23E-2
Other	<2.65E+01	2.49E+00	2.44E-2

N/A=NOT APPLICABLE  
N/D=NOT DETECTED  
N/R=NOT REPORTED