

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY  
SEMIANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT  
BROWNS FERRY NUCLEAR PLANT

CORRECTION PAGES

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EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT

SECOND HALF 1987<sup>1</sup>

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

Summation of All Releases	Unit	Third Quarter	Fourth Quarter	% Error
<b>A. Fission and Activation Gases</b>				
1. Total Releases	Ci	<3.60E+02	3.14E-01	45
2. Average Release Rate for Period	µCi/sec	<4.58E+01	3.99E-02	
3. Percent of T.S. limit (.15 Ci/sec)	%	0	2.66E-05	
<b>B. Iodines</b>				
1. Total Iodine-131	Ci	<1.33E-01	*<2.95E-04	36
2. Average Release Rate for Period	µCi/sec	<1.69E-02	*<3.75E-05	
3. Percent of T.S. Limit (2.19 µCi/sec)	%	0	0	
<b>C. Particulates</b>				
1. Particulates with half-lives >8 days	Ci	3.63E-04	5.32E-04	35
2. Avg. release rate for period	µCi/sec	4.62E-05	6.77E-05	
3. Percent of T.S. limit (2.19 µCi/Sec)	%	2.11E-03	3.09E-03	
4. Gross alpha radioactivity	Ci	1.46E-05	1.36E-05	
<b>D. Tritium</b>				
1. Total release	Ci	3.43E-01	1.71E-01	21
2. Average release rate for period	µCi/sec	4.36E-02	2.18E-02	
3. Percent of T.S. limit (2.19 µCi/sec)	%	*1.99E+00	*9.93E-01	
4. Ground level release	Ci	3.42E-01	1.69E-01	
5. Elevated release	Ci	1.62E-03	1.94E-03	

<sup>1</sup> Reporting period - 182 days.

\* Revision

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SECOND HALF 1987

GASEOUS EFFLUENTS - ELEVATED RELEASE

	<u>Unit</u>	<u>Third Quarter</u>	<u>Fourth Quarter</u>
1. <u>Fission Gases</u>			
Krypton-85	Ci	<1.50E+02	3.14E-01
Krypton-85m	Ci	<1.17E+00	<2.46E-01
Krypton-87	Ci	<2.21E-05	<3.78E-01
Krypton-88	Ci	<3.31E+00	<1.02E+00
Xenon-133	Ci	<1.58E-05	<6.70E-01
Xenon-135	Ci	<6.81E-06	<1.96E-01
Xenon-135m	Ci	<3.07E+00	<6.18E-01
Xenon-138	Ci	<4.50E-05	<1.45E+00
<u>Total for Period</u>	Ci	<1.58E+02	3.14E-01
2. <u>Iodines</u>			
Iodine-131	Ci	<2.82E-05	*<1.32E-05
Iodine-133	Ci	<2.19E-04	*<9.66E-05
Iodine-135	Ci	<1.88E-03	<7.62E-02
<u>Total for Period</u>	Ci	<2.13E-03	*<7.63E-02

\* Revision