

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 1 (Docket Number 50-456)
SUMMATION OF ALL RELEASES

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
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A. Fission and Activation Gas Releases

1. Total Release Activity	Ci	8.05E2	1.02E2	2.81E2	1.19E3	2.48E1	1.54E1	1.01E1	1.10E2
2. Average Release Rate	uCi/sec	2.58E2	8.44E1	1.16E2	1.53E2	1.93E1	6.05E0	3.77E0	9.71E0

B. Iodine Releases

1. Total I-131 Activity	Ci	7.52E-5	5.92E-7	4.95E-5	1.23E-4	1.71E-4	6.44E-6	<LLD	1.77E-4
2. Average Release Rate	uCi/sec	2.41E-5	4.90E-7	2.05E-5	1.50E-5	3.92E-5	2.53E-6	0.00	1.39E-5

C. Particulate (> 8 day half-life) Releases

1. Gross Activity	Ci	7.11E-5	7.64E-8	<LLD	7.12E-5	2.14E-6	2.87E-6	<LLD	5.01E-6
2. Average Release Rate	uCi/sec	2.28E-5	6.32E-8	0.00	7.62E-6	4.90E-7	1.13E-6	0.00	5.90E-7
3. Gross Alpha Activity	Ci	4.35E-6	7.41E-7	2.36E-6	7.41E-6	3.71E-5	2.86E-6	1.04E-6	4.10E-5

D. Tritium Releases

1. Total Release Activity	Ci	7.29E-1	3.60E-2	2.20E0	3.04E0	2.46E1	2.81E1	2.01E1	7.28E1
2. Average Release Rate	uCi/sec	2.56E-1	2.98E-2	9.09E-1	3.98E-1	5.64E0	1.10E1	7.51E0	8.05E0

E. Sum of Iodine, Particulate (> 8 day half-life), and Tritium Releases

1. Total Activity	Ci	7.99E-1	3.60E-2	2.20E0	3.04E0	2.46E1	2.81E1	2.01E1	7.28E1
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Note: LLD Values are included in Appendix A of this report.

Note: % Limit Values are included in Appendix B of this report.

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BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UN** (Docket Number 50-456)
BATCH MODE

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
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A. Particulate (> 8 day half-life) Releases

Mn-54	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-59	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cg-58	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cg-60	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sr-89	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sr-90	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y-88	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ru-103	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ag-110m	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cs-134	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cs-136	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cs-137	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ba/La-140	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce-144	Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others (Specify)									

B. Tritium Releases

1. Total Release Activity	Ci	1.48E-2	4.28E-3	8.14E-3	2.72E-2	2.22E-2	9.71E-3	1.15E-2	4.34E-2
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Note: Braidwood monitors for particulates and iodines via continuous monitoring.

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
(GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 1 (Docket Number 50-456)
BATCH MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
C. Fission and Activation Gas Releases										
Ar-41		Ci	2.90E-2	8.76E-3	2.14E-2	5.32E-2	4.17E-2	2.04E-2	2.69E-2	8.30E-2
Kr-85		Ci	< LLD	4.16E-2	4.46E-2	8.62E-2	< LLD	< LLD	< LLD	< LLD
Kr-85m		Ci	5.71E-4	6.20E-4	< LLD	1.12E-3	4.89E-5	< LLD	< LLD	4.89E-5
Kr-87		Ci	3.03E-4	< LLD	< LLD	3.03E-4	< LLD	< LLD	< LLD	< LLD
Kr-88		Ci	7.04E-4	< LLD	< LLD	7.04E-4	< LLD	< LLD	< LLD	< LLD
Xe-131m		Ci	7.18E-3	1.15E-1	4.62E-2	1.55E-1	< LLD	1.02E-3	< LLD	1.02E-3
Xe-133		Ci	1.06E-1	7.59E0	1.05E0	8.74E0	2.96E-1	1.80E-1	9.74E-2	5.73E-1
Xe-133m		Ci	< LLD	5.90E-2	2.62E-3	6.16E-2	1.57E-3	< LLD	1.13E-4	1.68E-3
Xe-135		Ci	2.14E-3	1.86E-2	1.62E-3	2.24E-2	4.11E-3	1.41E-3	1.08E-3	6.60E-3
Xe-135m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-138		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Others (Specify)										
D. Iodine Releases										
I-131		Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-132		Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-133		Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-134		Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-135		Ci	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others (Specify)										

Note: Braidwood monitors for particulates and iodines via continuous monitoring.

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 1 (Docket Number 50-456)
CONTINUOUS MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
A. Particulate (> 8 day half-life) Releases										
Mn-54			< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-59		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-58		Ci	6.06E-5	7.64E-8	< LLD	6.07E-5	2.14E-6	2.87E-6	< LLD	5.01E-6
Co-60		Ci	7.11E-6	< LLD	< LLD	7.11E-6	< LLD	< LLD	< LLD	< LLD
Sr-89		Ci	< LLD	< LLD	< LLD	< LLD	---	---	---	---
Sr-90		Ci	< LLD	< LLD	< LLD	< LLD	---	---	---	---
Y-88		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ru-103		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ag-110m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-136		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ba/La-140		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ce-144		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zr-95		Ci	3.42E-6	< LLD	< LLD	3.42E-6	< LLD	< LLD	< LLD	< LLD
Others (Specify):										

B. Tritium Releases

1. Total Release Activity	Ci	7.84E-1	3.17E-2	2.19E0	3.01E0	6E1	2.81E1	2.01E1	7.28E1
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Note: LLD values are included in Appendix A of this report.

** Note: Waiting for results from off-site analysis — results will be reported in an errata to the Semi-Annual Report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 1 (Docket Number 50-456)
CONTINUOUS MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
C. Fission and Activation Gas Releases										
Ar-41		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85m		Ci	1.06E0	< LLD	1.01E-1	1.16E0	< LLD	4.28E-2	< LLD	4.28E-2
Kr-87		Ci	1.11E-1	< LLD	< LLD	1.11E-1	< LLD	< LLD	< LLD	< LLD
Kr-88		Ci	5.67E-1	< LLD	< LLD	5.67E-1	< LLD	< LLD	< LLD	< LLD
Xe-131m		Ci	2.63E0	9.46E-1	4.43E0	8.01E0	< LLD	< LLD	< LLD	< LLD
Xe-133		Ci	7.81E2	8.93E1	2.68E2	1.14E3	8.41E1	1.49E1	9.78E0	1.09E2
Xe-133m		Ci	5.92E0	3.89E0	1.70E0	1.14E1	< LLD	< LLD	< LLD	< LLD
Xe-135		Ci	1.35E1	9.72E-2	5.16E0	1.88E1	3.41E-1	2.62E-1	1.55E-1	7.58E-1
Xe-135m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-138		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Others (Specify)										

D. Iodine Releases										
I-131		Ci	4.68E-5	5.92E-7	1.32E-5	6.06E-5	1.53E-4	5.58E-6	< LLD	1.59E-4
I-132		Ci	< LLD	< LLD	1.55E-5	1.55E-5	< LLD	< LLD	< LLD	< LLD
I-133		Ci	2.84E-5	< LLD	2.08E-5	4.92E-5	1.81E-5	8.62E-7	< LLD	1.90E-5
I-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-135		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Others (Specify)										

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
 SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
 *SEIOUS EFFLUENTS - SUMMATION OF ALL RELEASES
 UNIT 2 (Docket Number 50-457)
 SUMMATION OF ALL RELEASES

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
A. Fission and Activation Gas Releases										
1. Total Release Activity	Ci	2.42E3	3.72E2	2.15E2	3.01E3	2.98E1	2.61E0	8.67E-1	3.33E-1	
2. Average Release Rate	uCi/sec	7.75E2	3.08E2	8.89E1	3.91E2	6.83E0	1.02E0	3.24E-1	2.72E0	
B. Iodine Releases										
1. Total I-131 Activity	Ci	1.08E-4	9.26E-5	1.22E-5	2.13E-4	1.40E-4	7.08E-8	8.59E-7	1.41E-4	
2. Average Release Rate	uCi/sec	3.46E-5	7.66E-5	5.94E-6	3.87E-5	3.21E-5	2.78E-8	3.21E-7	1.08E-5	
C. Particulate (> 8 day half-life) Releases										
1. Gross Activity	Ci	< LLD	< LLD	< LLD	< LLD	6.35E-7	< LLD	< LLD	6.35E-7	
2. Average Release Rate	uCi/sec	0.00	0.00	0.00	0.00	1.45E-7	0.00	0.00	4.83E-8	
3. Gross Alpha Activity	Ci	2.87E-6	1.71E-6	9.31E-7	5.51E-6	2.46E-6	1.54E-6	5.83E-7	4.58E-6	
D. Tritium Releases										
1. Total Release Activity	Ci	4.42E-1	3.63E-1	2.83E-1	1.09E0	9.66E-1	4.39E-1	9.99E-1	2.40E0	
2. Average Release Rate	uCi/sec	1.42E-1	3.00E-1	1.17E-1	1.86E-1	2.21E-1	1.72E-1	3.73E-1	2.55E-1	
E. Sum of Iodine, Particulate (> 8 day half-life), and Tritium Releases										
1. Total Activity	Ci	4.42E-1	3.63E-1	2.83E-1	1.09E0	9.66E-1	4.39E-1	9.99E-1	2.40E0	

Note: LLD Values are included in Appendix A of this report.

Note: % Limit Values are included in Appendix B of this report.

BRAIDWOOD NUCLEAR POWER STATION
 SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
 GASEOUS EFFLUENTS - MIXED MODE RELEASES
 UNIT 2 (Docket Number 50-457)
 BATCH MODE

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
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A. Particulate (> 8 day half-life) Releases

Mn-54	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-59	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Co-58	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Co-60	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sr-89	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sr-90	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y-88	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ru-103	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ag-110m	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-134	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cs-136	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cs-137	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ba/La-140	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce-144	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others (Specify)									

B. Tritium Releases

1. Total Release Activity	CI	7.89E-2	5.64E-3	1.24E-2	9.69E-2	1.95E-1	1.98E-3	1.51E-1	3.48E-1
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Note: Braidwood monitors for particulates and iodines via continuous monitoring.

Note: LLD values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 2 (Docket Number 50-457)
BATCH MODE

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
C. Fission and Activation Gas Releases									
AR-41	CI	9.14E-2	2.31E-2	5.23E-2	1.67E-1	6.33E-4	1.38E-3	2.32E-3	4.33E-3
Kr-85	CI	3.58E-2	5.53E-2	4.46E-2	1.36E-1	< LLD	< LLD	< LLD	< LLD
Kr-85m	CI	1.52E-2	3.57E-3	6.83E-3	2.56E-2	2.97E-4	< LLD	< LLD	2.97E-4
Kr-87	CI	1.12E-3	2.59E-4	6.31E-4	2.01E-3	< LLD	< LLD	< LLD	< LLD
Kr-88	CI	1.71E-2	3.69E-3	8.76E-3	2.96E-2	2.40E-4	< LLD	< LLD	2.40E-4
Xe-131m	CI	1.89E-1	1.70E-1	1.48E-1	5.07E-1	5.89E-2	< LLD	< LLD	5.89E-2
Xe-133	CI	1.49E1	1.15E1	5.64E0	3.20E1	1.28E1	1.23E-3	5.38E-2	1.29E1
Xe-133m	CI	1.47E-1	8.98E-2	5.05E-2	2.87E-1	1.88E-2	< LLD	< LLD	1.88E-2
Xe-135	CI	1.37E-1	4.45E-2	7.02E-2	2.52E-1	7.84E-3	7.51E-5	2.99E-3	1.09E-2
Xe-135m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-138	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

D. Iodine Releases

I-131	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-132	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-133	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-134	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I-135	CI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others (Specify)									

Note: LLD Values are included in Appendix A of this report.

Note: Braidwood monitors for particulates and iodines via continuous monitoring.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 2 (Docket Number 50-457)
CONTINUOUS MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER			OCT	NOV	DEC	4th QUARTER
A. Particulate (> 8 day half-life) Releases												
Mn-54		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-59		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-58		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	4.92E-7	< LLD	< LLD	< LLD	4.92E-7
Co-60		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	1.43E-7	< LLD	< LLD	< LLD	1.43E-7
Sr-89		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	---	---	---	---	**
Sr-90		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	---	---	---	---	**
Y-88		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ru-103		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ag-110m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-136		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ba/La-140		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ce-144		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Others (Specify)												

B. Tritium Release

1. Total Release Activity	Ci	3.63E-1	3.57E-1	2.71E-1	9.91E-1	7.71E-1	4.37E-1	8.48E-1	2.06E0
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Note: LLD Values are included in Appendix A of this report.

** Note: Waiting for results from off-site analysis — results will be reported in an errata to the Semi-Annual Report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
GASEOUS EFFLUENTS - MIXED MODE RELEASES
UNIT 2 (Docket Number 50-457)
CONTINUOUS MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
C. Fission and Activation Gas Releases										
Ar-41		Ci	5.77E-1	< LLD	< LLD	5.77E-1	< LLD	< LLD	3.64E-2	3.64E-2
Kr-85		Ci	< LLD	< LLD	< LLD	< LLD	4.09E-1	< LLD	< LLD	4.09E-1
Kr-85m		Ci	2.50E0	9.36E-2	1.05E-1	2.70E0	< LLD	< LLD	< LLD	< LLD
Kr-87		Ci	1.19E0	< LLD	< LLD	1.19E0	< LLD	< LLD	< LLD	< LLD
Kr-88		Ci	3.50E0	< LLD	< LLD	3.50E0	< LLD	< LLD	< LLD	< LLD
Xe-131m		Ci	2.30E1	1.27E0	5.64E0	2.99E1	8.93E-2	< LLD	< LLD	8.93E-2
Xe-133		Ci	2.33E3	3.53E2	2.0E2	2.88E3	1.64E1	2.61E0	6.82E-1	1.97E1
Xe-133m		Ci	1.93E1	1.34E0	1.33E0	2.70E1	1.72E-2	< LLD	< LLD	1.72E-2
Xe-135		Ci	2.05E1	4.87E0	2.06E0	2.74E1	4.14E-2	< LLD	6.87E-2	1.10E-1
Xe-135m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-138		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Others (Specify)										

D. Iodine Releases										
I-131		Ci	3.35E-5	8.62E-5	6.81E-6	1.27E-4	1.33E-4	7.08E-8	< LLD	1.33E-4
I-132		Ci	3.55E-7	< LLD	< LLD	3.55E-7	2.51E-7	< LLD	< LLD	2.51E-7
I-133		Ci	2.89E-5	6.44E-6	5.42E-6	4.08E-5	6.94E-6	< LLD	8.59E-7	7.80E-6
I-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-135		Ci	4.50E-5	< LLD	< LLD	4.50E-5	< LLD	< LLD	< LLD	< LLD
Others (Specify)										

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS - SUMMARY OF ALL RELEASES
UNIT 1 (Docket Number 50-456)
SUMMARY OF ALL RELEASES

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
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A. Fission and Activation Products

1. Total Activity Released	Ci	2.85E-1	2.44E-2	4.58E-2	3.65E-1	2.13E-2	2.11E-1	2.36E-2	2.55E-1
2. Average Concentration Released	µCi/ml	1.59E-7	3.17E-8	2.29E-8	7.48E-8	1.24E-8	1.37E-7	1.20E-8	4.90E-8
3. % of 10CFR50 Limits									
a. Quarterly Whole Body (1.5 mrem)	%	0.20	0.08	0.07	0.35	0.05	0.06	0.05	0.96
b. Quarterly Any Organ (5.0 mrem)	%	0.61	0.08	0.08	0.77	0.07	0.37	0.06	0.50
c. Annual Whole Body (3.0 mrem)	%	0.10	0.04	0.03	0.17	0.03	0.43	0.02	0.48
d. Annual Any Organ (3.0 mrem)	%	0.31	0.04	0.04	0.39	0.03	0.18	0.04	0.25

B. Tritium

1. Total Activity Released	Ci	6.07E+1	3.83E+1	2.38E+1	1.23E+2	2.46E+1	4.33E+1	4.70E+1	1.15E+2
2. Average Concentration Released	µCi/ml	3.39E-5	3.55E-5	1.19E-5	2.52E-5	1.43E-5	2.81E-5	2.40E-5	2.20E-5
3. % of Limit (2E-3 µCi/ml)	%	1.13E+0	1.18E+0	3.97E-1	2.71E+0	4.77E-1	9.37E-1	8.00E-1	2.21E+0

C. Dissolved Noble Gases

1. Total Activity Released	Ci	1.54E-2	2.02E-2	2.05E-2	5.61E-2	1.16E-2	6.85E-3	2.67E-3	2.11E-2
2. Average Concentration Released	µCi/ml	8.60E-9	1.87E-8	1.03E-8	1.15E-8	6.74E-9	4.45E-9	1.36E-9	4.04E-9
3. % of Limit (2E-4 µCi/ml)	%	4.30E-3	9.35E-3	5.13E-3	1.88E-2	3.37E-3	2.22E-3	6.61E-4	6.27E-3

D. Gross Alpha

1. Total Activity Released	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
2. Average Concentration Released	µCi/ml	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

E. Volume of Liquid Waste to Discharge	liters	4.59E+6	3.58E+6	3.26E+6	1.14E+7	2.97E+6	3.66E+6	2.45E+6	9.08E+6
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F. Volume of Dilution Water	liters	1.79E+9	1.08E+9	2.00E+9	4.87E+9	1.72E+9	1.54E+9	1.96E+9	5.22E+9
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Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS
UNIT 1 (Docket Number 50-456)
BATCH MODE

		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
A. Liquid Effluents										
Na-24		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	7.45E-3	< LLD	7.45E-3
Ar-41		Ci	< LLD	< LLD	< LLD	< LLD	6.70E-3	< LLD	< LLD	6.70E-3
Cr-51		Ci	3.29E-2	2.59E-3	8.75E-3	4.42E-2	< LLD	4.28E-3	1.50E-3	5.78E-3
Mn-54		Ci	8.45E-3	1.10E-3	8.94E-4	1.04E-2	1.72E-3	5.07E-3	7.30E-4	7.52E-3
Fe-55		Ci	—	—	—	1.11E-1	—	—	—	*
Co-57		Ci	6.65E-4	9.05E-5	6.83E-5	8.24E-4	1.20E-4	5.23E-4	7.02E-5	7.13E-4
Co-58		Ci	2.05E-1	2.33E-2	2.75E-2	2.56E-1	1.92E-3	1.50E-1	1.37E-2	1.66E-1
Fe-59		Ci	1.89E-3	1.22E-4	2.82E-3	4.83E-3	2.47E-3	5.02E-3	2.32E-3	9.81E-3
Co-60		Ci	3.59E-2	5.10E-3	3.37E-3	4.44E-2	5.25E-3	1.66E-2	3.95E-3	2.49E-2
Ni-65		Ci	5.40E-4	< LLD	< LLD	5.40E-4	< LLD	< LLD	< LLD	< LLD
Zn-65		Ci	1.92E-4	3.46E-5	< LLD	2.27E-4	2.21E-5	2.36E-4	< LLD	2.58E-4
Br-82		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85		Ci	3.54E-3	1.02E-3	2.04E-2	2.50E-2	1.14E-2	6.85E-3	5.85E-4	1.88E-2
Kr-85m		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sr-89		Ci	—	—	—	< LLD	—	—	—	*
Sr-90		Ci	—	—	—	< LLD	—	—	—	*
Sr-92		Ci	3.81E-6	4.60E-6	1.21E-5	2.05E-5	1.30E-5	2.72E-5	1.09E-4	1.49E-4
Nb-95		Ci	1.04E-2	1.00E-3	1.05E-3	1.25E-2	1.07E-3	5.70E-3	8.35E-4	7.61E-3
Zr-95		Ci	7.22E-3	5.90E-4	6.27E-4	8.44E-3	6.05E-4	3.47E-3	3.97E-4	4.47E-3
Mo-99		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Tc-99m		Ci	< LLD	2.82E-6	< LLD	2.82E-6	< LLD	< LLD	< LLD	< LLD
Ru-105		Ci	< LLD	3.66E-5	< LLD	3.66E-5	< LLD	< LLD	< LLD	< LLD
Ag-110m		Ci	< LLD	< LLD	3.62E-5	3.62E-5	4.92E-5	7.49E-5	3.15E-4	4.39E-4
Sn-113		Ci	6.06E-4	3.88E-5	9.86E-5	7.43E-4	4.56E-4	5.80E-4	1.36E-4	1.17E-3
Sn-117m		Ci	3.51E-5	< LLD	< LLD	3.51E-5	< LLD	< LLD	< LLD	< LLD
Sb-124		Ci	9.07E-4	< LLD	4.86E-5	9.56E-4	< LLD	< LLD	< LLD	< LLD
Sb-125		Ci	1.39E-3	1.33E-5	1.72E-4	1.58E-3	6.65E-4	8.64E-4	3.89E-4	1.92E-3
I-131		Ci	3.50E-4	3.90E-4	1.19E-4	8.59E-4	2.21E-4	1.90E-5	< LLD	2.40E-4
I-132		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-133		Ci	1.73E-5	< LLD	2.03E-6	1.93E-5	< LLD	< LLD	< LLD	< LLD
Xe-133		Ci	1.18E-2	1.90E-2	5.98E-5	3.09E-2	6.65E-5	< LLD	2.07E-3	2.14E-3
Xe-133m		Ci	< LLD	< LLD	< LLD	< LLD	1.24E-4	< LLD	< LLD	1.24E-4

* Waiting for analysis results - Data will be presented in an errata to the Semi-Annual Report.
Note: LLD Values are included in Appendix A of this report.

LIQUID EFFLUENTS

UNIT 1 (Docket Number 50-456)

BATCH MODE

Note: LLD values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS
UNIT 1 (Docket Number 50-456)
CONTINUOUS MODE

A. Liquid Effluents		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
Na-24	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ar-41	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cr-51	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Mn-54	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-55	Ci	---	---	---	---	---	---	---	---	*
Co-57	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-58	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-59	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-60	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ni-65	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zn-65	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Br-82	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85m	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sr-89	Ci	---	---	---	---	---	---	---	---	*
Sr-90	Ci	---	---	---	---	---	---	---	---	*
Sr-92	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Nb-95	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zr-95	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Mo-99	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-99m	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ru-105	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ag-110m	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sn-113	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sn-117m	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sb-124	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sb-125	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-131	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-132	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-133	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-133	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-133m	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

* Waiting for analysis results - Data will be presented in an errata to the Semi-Annual Report.
Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
 SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
 LIQUID EFFLUENTS
 UNIT 1 (Docket Number 50-456)
 CONTINUOUS MODE

A. Liquid Effluents	UNITS	3rd QUARTER				4th QUARTER			
		JUL	AUG	SEP	OCT	NOV	DEC		
Cs-134	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-134	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-135	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ba/La-140	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ce-144	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Hf-181	C1	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS - SUMMARY OF ALL RELEASES
UNIT 2 (Docket Number 50-457)
SUMMARY OF ALL RELEASES

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	14th QUARTER
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A. Fission and Activation Products

1. Total Activity Released	Ci	2.85E-1	3.44E-2	4.58E-2	5.65E-1	2.13E-2	2.11E-1	2.36E-2	2.56E-1
2. Average Concentration Released	uCi/ml	1.59E-7	3.17E-8	2.29E-8	7.48E-8	1.24E-8	1.37E-7	1.20E-8	4.90E-6
3. % of 10CFR50 Limits									
a. Quarterly Whole Body (1.5 mrem)	%	0.20	0.08	0.07	0.35	0.05	0.86	0.05	0.96
b. Quarterly Any Organ (5.0 mrem)	%	0.62	0.08	0.08	0.77	0.07	0.37	0.06	0.50
c. Annual Whole Body (3.0 mrem)	%	0.10	0.04	0.03	0.17	0.03	0.43	0.02	0.48
d. Annual Any Organ (10.0 mrem)	%	0.31	0.04	0.04	0.39	0.03	0.19	0.04	0.25

B. Tritium

1. Total Activity Released	Ci	6.07E+1	3.83E+1	2.38E+1	1.23E+2	2.46E+1	4.33E+1	4.70E+1	1.15E+2
2. Average Concentration Released	uCi/ml	3.39E-5	3.55E-5	1.19E-5	2.52E-5	1.43E-5	2.81E-5	2.40E-5	2.20E-5
3. % of Limit (3E-3 uCi/ml)	%	1.13E+0	1.10E+0	3.97E-1	2.71E+0	4.77E-1	9.37E-1	8.00E-1	2.21E+0

C. Dissolved Noble Gases

1. Total Activity Released	Ci	1.54E-2	2.02E-2	2.05E-2	5.61E-2	1.16E-2	6.85E-3	2.67E-3	2.11E-2
2. Average Concentration Released	uCi/ml	8.60E-9	1.87E-8	1.03E-8	1.15E-8	6.74E-9	4.42E-9	1.36E-9	4.94E-9
3. % of Limit (2E-4 uCi/ml)	%	4.30E-3	9.35E-3	5.13E-3	1.88E-2	3.37E-3	2.22E-3	6.81E-4	6.27E-3

D. Gross Alpha

1. Total Activity Released	Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
2. Average Concentration Released	uCi/ml	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

E. Volume of Liquid Waste to Discharge	liters	5.59E+6	3.58E+6	3.26E+6	1.14E+7	2.97E+6	3.66E+6	2.45E+6	9.08E+6
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F. Volume of Dilution Water	liters	1.79E+9	1.08E+9	2.00E+9	4.87E+9	1.72E+9	1.54E+9	1.96E+9	5.22E+9
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Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS
UNIT 2 (Docket Number 50-457)
BATCH MODE

A. Liquid Effluents		JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
Na-24	CI	< LLD	< LLD	< LLD	< LLD	< LLD	7.45E-3	< LLD	7.45E-3
Ar-41	CI	< LLD	< LLD	< LLD	< LLD	6.70E-3	< LLD	< LLD	6.70E-3
Cr-51	CI	3.29E-2	2.59E-3	8.75E-3	4.42E-2	< LLD	4.28E-3	1.50E-3	5.78E-3
Mn-54	CI	8.45E-3	1.10E-3	8.94E-4	1.04E-2	1.72E-3	5.07E-3	7.30E-4	7.52E-3
Fe-55	CI	—	—	—	1.11E-1	—	—	—	—
Co-57	CI	6.65E-4	9.05E-5	6.83E-5	8.24E-4	1.20E-4	5.23E-4	7.92E-5	7.13E-4
Co-58	CI	2.05E-1	2.33E-2	2.75E-2	2.56E-1	1.92E-3	1.50E-1	1.37E-2	1.66E-1
Fe-59	CI	1.89E-3	1.22E-4	2.82E-3	4.83E-3	2.47E-3	5.02E-3	2.32E-3	9.81E-3
Co-60	CI	3.59E-2	5.10E-3	3.37E-3	4.44E-2	5.25E-3	1.66E-2	3.05E-3	2.49E-2
Ni-65	CI	5.40E-4	< LLD	< LLD	5.40E-4	< LLD	< LLD	< LLD	< LLD
Zn-65	CI	1.92E-4	3.46E-5	< LLD	2.27E-4	2.21E-5	2.36E-4	< LLD	2.58E-4
Br-82	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85	CI	3.54E-3	1.02E-3	2.04E-2	2.50E-2	1.14E-2	6.85E-3	5.85E-4	1.88E-2
Kr-85m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sr-89	CI	—	—	—	< LLD	—	—	—	—
Sr-90	CI	—	—	—	< LLD	—	—	—	—
Sr-92	CI	3.81E-6	1.60E-6	1.21E-5	2.05E-5	1.30E-5	2.72E-5	1.92E-4	1.49E-4
Nb-95	CI	1.04E-2	1.20E-3	1.05E-3	1.25E-2	1.07E-3	5.70E-3	8.35E-4	7.61E-3
Zr-95	CI	7.22E-3	5.90E-4	6.27E-4	8.44E-3	6.95E-4	3.47E-3	3.97E-4	4.47E-3
Mo-99	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Tc-99m	CI	< LLD	2.82E-6	< LLD	2.82E-6	< LLD	< LLD	< LLD	< LLD
Ru-105	CI	< LLD	3.66E-5	< LLD	3.66E-5	< LLD	< LLD	< LLD	< LLD
Ag-110m	CI	< LLD	< LLD	3.62E-5	3.62E-5	4.92E-5	7.49E-5	3.15E-4	4.39E-4
Sn-113	CI	6.06E-4	3.88E-5	9.86E-5	7.43E-4	4.56E-4	5.80E-4	1.36E-4	1.17E-3
Sn-117m	CI	3.51E-5	< LLD	< LLD	3.51E-5	< LLD	< LLD	< LLD	< LLD
Sb-124	CI	9.07E-4	< LLD	4.86E-5	9.56E-4	< LLD	< LLD	< LLD	< LLD
Sb-125	CI	1.39E-3	1.33E-5	1.72E-4	1.58E-3	6.65E-4	8.64E-4	3.89E-4	1.92E-3
I-131	CI	3.50E-4	< LLD	1.19E-4	8.59E-4	2.21E-4	1.90E-5	< LLD	2.40E-4
I-132	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-133	CI	1.73E-5	7.69E-4	2.03E-6	1.93E-5	< LLD	< LLD	< LLD	< LLD
Xe-133	CI	1.18E-2	< LLD	5.98E-5	3.09E-2	6.65E-5	< LLD	2.07E-3	2.14E-3
Xe-133m	CI	< LLD	< LLD	< LLD	< LLD	1.24E-4	< LLD	< LLD	1.24E-4

* Waiting for analysis results - Data will be presented in an errata to the Semi-Annual Report.

Note: LLD Values are included in Appendix A of this report.

LIQUID EFFLUENTS

UNIT 2 (Docket Number 50-457)

BATCH MODE

Note: LLD values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS
UNIT 2 (Docket Number 50-457)
CONTINUOUS MODE

A. Liquid Effluents	UNITS	3rd QUARTER				OCT	NOV	DEC	4th QUARTER
		JUL	AUG	SEP					
Na-24	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ar-41	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cr-51	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Mn-54	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-55	CI	---	---	---	---	---	---	---	---
Co-57	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-58	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Fe-59	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-60	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ni-65	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zn-65	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Br-82	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88	CI	---	---	---	---	---	---	---	---
Sr-89	CI	---	---	---	---	---	---	---	---
Sr-90	CI	---	---	---	---	---	---	---	---
Sr-92	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Nb-95	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zr-95	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Mo-99	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Tc-99m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ru-105	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ag-110m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sn-113	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sn-117m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sb-124	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Sb-125	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-131	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-132	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-133	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-133	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-133m	CI	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

* Waiting for analysis results - Data will be presented in an errata to the Semi-Annual Report.
Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
LIQUID EFFLUENTS
UNIT 2 (Docket Number 50-457)
CONTINUOUS MODE

A. Liquid Effluents		UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4th QUARTER
Cs-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
I-134		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Xe-135		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ba/La-140		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Ce-144		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Hf-181		Ci	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

Note: LLD Values are included in Appendix A of this report.

BRAIDWOOD NUCLEAR POWER STATION
SEMIANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
SOLID RADIOACTIVE WASTE
UNIT 1 AND 2 COMBINED (Docket Number 50-456 and 50-457)

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

DESCRIPTION	VOLUME (m ³)	CURIES	MAJOR NUCLIDES/CURIES	
Process Waste	4.71E+1	8.86E+0 Error = 9.18E-1%	CO58	Curies = 5.74E+00 +/- 1.24E+00%
			FE55	Curies = 7.74E-01 +/- 1.19E+00%
			CO60	Curies = 5.82E-01 +/- 1.19E+00%
			NI63	Curies = 5.31E-01 +/- 1.19E+00%
			MN54	Curies = 2.49E-01 +/- 1.24E+00%
			H3	Curies = 1.94E-01 +/- 1.48E+00%
			CR51	Curies = 1.84E-01 +/- 1.49E+00%
			CS137	Curies = 1.56E-01 +/- 1.51E+00%
			CS134	Curies = 1.19E-01 +/- 1.48E+00%
			NB95	Curies = 7.09E-02 +/- 1.28E+00%
			SB125	Curies = 6.92E-02 +/- 1.28E+00%
			ZR95	Curies = 4.20E-02 +/- 1.29E+00%
			FE59	Curies = 3.48E-02 +/- 1.22E+00%
			C14	Curies = 3.48E-02 +/- 1.19E+00%
			1131	Curies = 2.47E-02 +/- 2.00E+00%
Dry Active Waste	4.71E+2	3.81E+0 ERROR = 1.12E+0%	FE55	Curies = 1.43E+00 +/- 2.27E+00%
			CO58	Curies = 1.01E+00 +/- 2.28E+00%
			NI63	Curies = 5.12E-01 +/- 2.27E+00%
			CO60	Curies = 2.56E-01 +/- 2.27E+00%
			MN54	Curies = 2.53E-01 +/- 2.27E+00%
			CR51	Curies = 1.30E-01 +/- 2.30E+00%
			NB95	Curies = 1.08E-01 +/- 2.29E+00%
			FE59	Curies = 3.61E-02 +/- 2.29E+00%
			ZR95	Curies = 2.18E-02 +/- 2.28E+00%
			PU241	Curies = 2.09E-02 +/- 2.27E+00%
			C14	Curies = 1.28E-02 +/- 2.27E+00%
			ZN65	Curies = 9.61E-03 +/- 2.27E+00%
			CS137	Curies = 6.75E-03 +/- 2.27E+00%
			CO57	Curies = 4.58E-03 +/- 2.27E+00%
			PU239	Curies = 7.04E-04 +/- 2.27E+00%

Other:

Number of Shipments: 15
Mode of Transportation: Exclusive Use Vehicle
Destination: U.S. Ecology, Richland, WA (8)
Quadrex, Oak Ridge, TN (7)

B. IRRADIATED FUEL SHIPMENTS

No irradiated fuel shipments for July through December, 1991

NOTE: Actual burial volume of process and dry active waste - 8.50E+1m³.

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
SOLID RADIOACTIVE WASTE
UNIT 1 AND 2 COMBINED (Docket Numbers 50-456 and 50-457)

Shipment Number	Waste Class	Type of Container	Soldification Agent or Absorbent
RWS-91-017	A	LSA	NONE
RWS-91-018	A	LSA	NONE
RWS-91-019	A	LSA	NONE
RWS-91-020	A	LSA	NONE
RWS-91-021	A	LSA	NONE
RWS-91-022	A	LSA	NONE
RWS-91-023	A	LSA	NONE
RWS-91-024	A	LSA	NONE
RWS-91-025	A	LSA	NONE
RWS-91-026	A	LSA	NONE
RWS-91-027	A	LSA	NONE
RWS-91-028	A	LSA	NONE
RWS-91-029	A	LSA	NONE
RWS-91-030	A	LSA	NONE
RWS-91-031	A	LSA	NONE

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
UNIT 1 AND 2 (Docket Numbers 50-456 and 50-457)
APPENDIX A

LLD Tables

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
UNIT 1 AND 2 (Docket Numbers 50-456 and 50-457)
LLD VALUES FOR GASEOUS RELEASES

<u>Isotope</u>	<u>LLD (Ci/ml)</u>
Alpha	3.70E-18
H-3	3.45E-14
Ar-41	3.76E-12
Mn-54	6.38E-19
Co-58	4.07E-19
Fe-59	7.43E-19
Co-60	7.24E-19
Kr-85	4.57E-10
Kr-85m	1.51E-12
Kr-87	4.40E-12
Kr-88	5.35E-12
Sr-89	2.00E-11
Sr-90	7.40E-12
Ru-103	2.92E-19
Ag-110m	2.79E-19
I-131	4.13E-19
I-133	7.43E-19
Xe-131m	5.47E-11
I-132	1.95E-17
Xe-133	5.06E-12
Xe-133m	1.06E-11
I-134	2.13E-15
Cs-134	3.89E-19
I-135	8.27E-18
Xe-135	1.52E-12
Xe-135m	1.82E-11
Cs-136	3.94E-13
Cs-137	3.81E-19
Xe-138	3.47E-11
Ba-140	1.32E-13
La-140	8.12E-19
Ce-144	1.74E-18

NOTE: LLD Value for Gross Activation particulate is based on
LLD Values for individual isotopes used in the
calculation.

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
UNIT 1 AND 2 (Docket Numbers 50-456 and 50-457)
LLD VALUES FOR LIQUID RELEASES

Isotope	LLD (Ci/ml)
Alpha	9.3200E-14
H-3	1.9600E-12
Na-24	6.1010E-14
Ar-41	9.4314E-14
Cr-51	3.2383E-13
Mn-54	4.3633E-14
Fe-55	6.6000E-14
Co-57	3.0917E-14
Co-58	4.4962E-14
Fe-59	1.0689E-13
Co-60	7.7771E-14
Ni-65	4.7509E-13
Zn-65	9.2853E-14
Br-82	4.8556E-14
Kr-85	9.3087E-12
Kr-85m	4.4634E-14
Kr-88	1.5211E-13
Sr-89	5.0000E-14
Sr-90	1.7000E-14
Sr-92	6.6441E-14
Nb-95	4.3434E-14
Zr-95	8.1363E-14
Mo-99	2.7829E-14
Ru-105	1.2517E-13
Ag-110m	1.5956E-14
Sn-113	4.4111E-14
Sn-117m	2.8675E-14
Sb-124	4.1979E-14
Sb-125	1.1162E-13
I-131	3.3062E-14
I-132	8.2209E-14
I-133	4.7809E-14
Xe-133	1.3994E-14
Xe-133m	2.5950E-13
Cs-134	4.1075E-14
I-134	1.8285E-13
Xe-135	3.4588E-14
Cs-137	4.8276E-14
Ba-140	1.5828E-13
La-140	8.6898E-14
Ce-144	2.2121E-13
Hf-181	5.1951E-14

NOTE: LLD Value for Total Activity Released is based on
LLD Values for individual isotopes used in the
calculation.

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT FOR JULY THROUGH DECEMBER 1991
UNIT 1 AND 2 (Docket Numbers 50-456 and 50-457)

APPENDIX B

Supplemental Information

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT JULY THROUGH DECEMBER 1991
UNIT 1 AND UNIT 2 NRC DOCKETS STN 50-456 AND STN 50-457

1. There were no revisions to the Braidwood Station Process Control Program.
2. There were no major changes to the installed liquid, gaseous, or solid rad waste treatment systems.
3. There were no liquid holdup tanks or gas decay tanks which exceeded the limits addressed in the Technical Specifications.
4. Pursuant to Technical Specification 6.9.1.7, the following is an explanation as to why the inoperability of liquid or gaseous effluent monitoring instrumentation was not corrected within the time specified in Technical Specifications:
 - a. On November 14, 1991 the Fire and Sump Effluent Radiation Monitor OPR05J was declared inoperable and the allotted 30-day Technical Specification LCOAR limit was exceeded. It was determined that Temporary Alteration 91-0-036 bypassed Fire And Oil Sump Discharge Isolation Valve ODO030 (the valve receives a signal to close automatically when a high radiation condition is detected by OPR05J). The reason for exceeding the Technical Specification Limit is due to Prolongation of ordering and receiving process of an actuator for the ODO030 valve.
5. Error in Measurement - An estimate of error associated with effluent measurements is being developed and will be presented in an errata to the Semi Annual Report.

BRAIDWOOD NUCLEAR POWER STATION
 SEMI ANNUAL EFFLUENT REPORT JULY THROUGH DECEMBER 1991
 UNIT 1 NRC DOCKET STN 50-456

GASEOUS EFFLUENTS
 SUPPLEMENTAL RELEASE INFORMATION

A.	BATCH RELEASE	(QUARTER 3)	(QUARTER 4)	TOTAL
1.	Total Number of Batch Releases	41	28	69
2.	Total Time Period for Batch Releases (minutes)	2,299	1,461	3,760
3.	Maximum Time Period for a Batch Release (minutes)	242	347	N/A
4.	Average Time Period for a Batch Release (minutes)	56.07	52.18	N/A
5.	Minimum Time Period for a Batch Release (minutes)	15	25	N/A
B. ABNORMAL RELEASES				
1.	Number of Releases	0	0	0
2.	Total Activity Released	0.00	0.00	0.00 (Curies)

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT JULY THROUGH DECEMBER 1991
UNIT 2 NRC DOCKET STN 50-457

GASEOUS EFFLUENTS
SUPPLEMENTAL RELEASE INFORMATION

	(QUARTER 3)	(QUARTER 4)	TOTAL
A. BATCH RELEASE			
1. Total Number of Batch Releases	88	31	119
2. Total Time Period for Batch Releases (minutes)	17,955	30,021	47,976
3. Maximum Time Period for a Batch Release (minutes)	4.196	11.617	N/A
4. Average Time Period for a Batch Release (minutes)	47.68	374.74	N/A
5. Minimum Time Period for a Batch Release (minutes)	5	5	N/A
B. ABNORMAL RELEASES			
1. Number of Releases	0	0	0
2. Total Activity Released	0.00	0.00	0.00 (Curies)

BRAIDWOOD NUCLEAR POWER STATION
SEMI ANNUAL EFFLUENT REPORT JULY THROUGH DECEMBER 1991
UNIT 1 AND 2 COMBINED (DOCKET NUMBERS 50-456 AND 50-457)

LIQUID EFFLUENTS
SUPPLEMENTAL RELEASE INFORMATION

A. BATCH RELEASE	(QUARTER 3)	(QUARTER 4)	TOTAL
1. Total Number of Batch Releases	12 ^c	94	220
2. Total Time Period for Batch Releases (minutes)	8466	12,899	21,355
3. Maximum Time Period for a Batch Release (minutes)	256	286	N/A
4. Average Time Period for a Batch Release (minutes)	67.2	137.1	N/A
5. Minimum Time Period for a Batch Release (minutes)	26	41	N/A
6. Average Stream Flow During Periods of Release of Effluent into a Flowing Stream (liters/min)	1.60E+6	8.98E+6	N/A

(Final)

BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 06/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.95E-03	2.98E-02	3.11E-02	5.95E-03	0.00E+00	6.58E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	3.28E-02	1.55E-01	1.61E-01	3.28E-02	0.00E+00	3.49E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.47E-03	7.95E-03	8.41E-03	1.47E-03	0.00E+00	1.78E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.50E-02	7.32E-02	7.56E-02	1.50E-02	0.00E+00	1.64E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	5.02E-04	3.28E-03	3.53E-02	5.02E-04	0.00E+00	3.91E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 06/01/91 TO 06/30/91 CALCULATED 06/28/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.8
 AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	1 OF APP I.				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.12	0.00	10.0	0.67
BETA AIR (MRAD)	10.0	1.55	1.61	0.33	0.00	20.0	1.75
TOT. BODY (MREM)	2.5	0.32	0.34	0.06	0.00	5.0	0.36
SKIN (MREM)	7.5	0.98	1.01	0.20	0.00	15.0	1.09
ORGAN (MREM)	7.5	0.04	0.47	0.01	0.00	15.0	0.26
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.8
AUGUST 1990

25.01

BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/18/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 06/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.95E-03	2.98E-02	3.11E-02	5.95E-03	0.00E+00	6.68E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	3.28E-02	1.55E-01	1.61E-01	3.28E-02	0.00E+00	3.49E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.47E-03	7.95E-03	8.41E-03	1.47E-03	0.00E+00	1.78E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.50E-02	7.32E-02	7.56E-02	1.50E-02	0.00E+00	1.64E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	2.40E-03	1.63E-03	6.35E-02	2.40E-03	0.00E+00	6.75E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
THYROID		THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 06/01/91 TO 06/30/91 CALCULATED 06/28/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
 ODCM ANNEX
 REVISION D.B
 AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

		----- % OF APP I. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.12	0.00	10.0	0.67
BETA AIR (MRAD)	10.0	1.55	1.61	0.33	0.00	20.0	1.75
TOT. BODY (MREM)	2.5	0.32	0.34	0.06	0.00	5.0	0.36
SKIN (MREM)	7.5	0.98	1.01	0.20	0.00	15.0	1.09
ORGAN (MREM)	7.5	0.02	0.85	0.03	0.00	15.0	0.45
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.8
AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
 MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
 PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 08/21/91
 INFANT RECEPTOR
 DATABASE CONTAINS DATA THROUGH 07/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.40E-05	2.98E-02	3.11E-02	6.01E-03	0.00E+00	6.69E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	9.13E-04	1.55E-01	1.61E-01	3.31E-02	0.00E+00	3.50E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.26E-05	7.95E-03	8.41E-03	1.49E-03	0.00E+00	1.78E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.38E-04	7.32E-02	7.56E-02	1.51E-02	0.00E+00	1.64E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	1.36E-05	3.28E-03	3.53E-02	5.16E-04	0.00E+00	3.91E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

		----- % OF APP I. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.60	0.62	7.12	0.00	10.0	0.67
BETA AIR (MRAD)	10.0	1.55	1.61	1.33	0.00	20.0	1.75
TOT. BODY (MREM)	2.5	0.32	0.34	0.06	0.00	5.0	0.36
SKIN (MREM)	7.5	0.98	1.01	0.20	0.00	15.0	1.09
ORGAN (MREM)	7.5	0.04	0.47	0.01	0.00	15.0	0.26
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 08/21/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 07/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.40E-05	2.98E-02	3.11E-02	6.01E-03	0.00E+00	6.69E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	3.13E-04	1.55E-01	1.61E-01	3.31E-02	0.00E+00	3.50E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.26E-05	7.95E-03	8.41E-03	1.49E-03	0.00E+00	1.78E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.38E-04	7.32E-02	7.56E-02	1.51E-02	0.00E+00	1.64E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	1.00E-04	1.63E-03	6.35E-02	2.50E-03	0.00E+00	6.76E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
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 AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.12	0.00	10.0	0.67
BETA AIR (MRAD)	10.0	1.55	1.61	0.33	0.00	20.0	1.75
TOT. BODY (MREM)	2.5	0.32	0.34	0.06	0.00	5.0	0.36
SKIN (MREM)	7.5	0.98	1.01	0.20	0.00	15.0	1.09
ORGAN (MREM)	7.5	0.02	0.85	0.03	0.00	15.0	0.45
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.03E-03	2.98E-02	3.11E-02	1.27E-02	0.00E+00	7.35E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	1.14E-02	1.55E-01	1.61E-01	7.09E-02	0.00E+00	3.87E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	4.90E-04	7.95E-03	8.41E-03	3.09E-03	0.00E+00	1.94E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	5.20E-03	7.32E-02	7.56E-02	3.23E-02	0.00E+00	1.81E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	6.23E-04	3.28E-03	3.53E-02	2.38E-03	0.00E+00	4.10E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/17/91
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.00	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.00	20.0	1.94
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.00	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.00	15.0	1.21
ORGAN (MREM)	7.5	0.04	0.47	0.03	0.00	15.0	0.27
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.03E-03	2.98E-02	3.11E-02	1.27E-02	0.00E+00	7.35E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	1.14E-02	1.55E-01	1.61E-01	7.09E-02	0.00E+00	3.87E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	4.90E-04	7.95E-03	8.41E-03	3.09E-03	0.00E+00	1.94E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	5.20E-03	7.32E-02	7.56E-02	3.23E-02	0.00E+00	1.81E-01
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	5.27E-03	1.63E-03	6.35E-02	1.83E-02	0.00E+00	8.34E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/17/91
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

		----- % OF APP I. -----					
QTRLY	OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.00	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.00	20.0	1.94
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.00	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.00	15.0	1.21
ORGAN (MREM)	7.5	0.02	0.85	0.24	0.00	15.0	0.56

THYROID

THYROID

THYROID

THYROID

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.92E-04	2.98E-02	3.11E-02	1.27E-02	5.92E-04	7.41E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	3.38E-03	1.55E-01	1.61E-01	7.09E-02	3.38E-03	3.91E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	1.37E-04	7.95E-03	8.41E-03	3.09E-03	1.37E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	1.46E-03	7.32E-02	7.56E-02	3.23E-02	1.46E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	6.98E-03	3.28E-03	3.53E-02	2.38E-03	6.98E-03	4.80E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	20.0	1.95
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	5.0	0.39
SKIN (MREM)	7.5	0.98	1.0	0.43	15.0	1.22
ORGAN (MREM)	7.5	0.04	0.47	0.03	15.0	0.32
	THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.92E-04	2.98E-02	3.11E-02	1.27E-02	5.92E-04	7.41E-02
(MRAI)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	3.38E-03	1.55E-01	1.61E-01	7.09E-02	3.38E-03	3.91E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	1.37E-04	7.95E-03	8.41E-03	3.09E-03	1.37E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	1.46E-03	7.32E-02	7.56E-02	3.23E-02	1.46E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	5.89E-02	1.63E-03	6.35E-02	1.83E-02	5.89E-02	1.42E-01
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

		----- % OF APP I. -----					
QTRLY	OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP.I
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.01	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.03	20.0	1.95
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.01	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.02	15.0	1.22
ORGAN (MREM)	7.5	0.02	0.85	0.24	0.79	15.0	0.95
		THYROID	THYROID	THYROID	THYROID	THYROID	

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT ONE

ACTUAL 1991
 MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
 PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91
 INFANT RECEPTOR
 DATABASE CONTAINS DATA THROUGH 10/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.15E-04	2.98E-02	3.11E-02	1.27E-02	7.07E-04	7.43E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	6.29E-04	1.55E-01	1.61E-01	7.09E-02	4.01E-03	3.91E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	2.85E-05	7.95E-03	8.41E-03	3.09E-03	1.66E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	2.87E-04	7.32E-02	7.56E-02	3.23E-02	1.75E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	6.79E-03	3.28E-03	3.53E-02	2.38E-03	1.38E-02	5.48E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91
 THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

		----- % OF APP I. -----					
QTRLY	OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.01	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.04	20.0	1.96
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.01	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.02	15.0	1.22
ORGAN (MREM)	7.5	0.04	0.47	0.03	0.18	15.0	0.37
		THYROID	THYROID	THYROID	THYROID	THYROID	

RESULTS BASED UPON
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BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 10/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.15E-04	2.98E-02	3.11E-02	1.27E-02	7.07E-04	7.43E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	6.29E-04	1.55E-01	1.61E-01	7.09E-02	4.01E-03	3.91E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	2.85E-05	7.95E-03	8.41E-03	3.09E-03	1.66E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	2.87E-04	7.32E-02	7.56E-02	3.23E-02	1.75E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	3.29E-03	1.63E-03	6.35E-02	1.83E-02	6.22E-02	1.46E-01
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
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ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.01	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.04	20.0	1.96
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.01	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.02	15.0	1.22
ORGAN (MREM)	7.5	0.02	0.85	0.24	0.83	15.0	0.97
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
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ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 01/09/92

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 11/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	7.57E-05	2.98E-02	3.11E-02	1.27E-02	7.83E-04	7.43E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	4.09E-04	1.55E-01	1.61E-01	7.09E-02	4.42E-03	3.92E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	1.91E-05	7.95E-03	8.41E-03	3.09E-03	1.85E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	1.87E-04	7.32E-02	7.56E-02	3.23E-02	1.94E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	4.86E-03	3.28E-03	3.53E-02	2.38E-03	1.86E-02	5.96E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
LIVER		THYROID	THYROID	THYROID	THYROID	THYROID
THYROID						
KIDNEY						
LUNG						
GI-LLI						

LAST PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.8
AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YFLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.02	10.0	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.04	20.0	1.96
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.01	5.0	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.03	15.0	1.22
ORGAN (MREM)	7.5	0.04	0.47	0.03	0.25	15.0	0.40
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
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AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 01/09/92

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 11/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	7.57E-05	2.98E-02	3.11E-02	1.27E-02	7.83E-04	7.43E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	4.09E-04	1.55E-01	1.61E-01	7.09E-02	4.42E-03	3.92E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	1.91E-05	7.95E-03	8.41E-03	3.09E-03	1.85E-04	1.96E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	1.87E-04	7.32E-02	7.56E-02	3.23E-02	1.94E-03	1.83E-01
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	2.36E-03	1.63E-03	6.35E-02	1.83E-02	6.46E-02	1.48E-01
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
LIVER		THYROID	THYROID	THYROID	THYROID	THYROID
THYROID						
KIDNEY						
LUNG						
GI-LLI						

LAST PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT ONE

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.60	0.62	0.25	0.02	0.74
BETA AIR (MRAD)	10.0	1.55	1.61	0.71	0.04	1.96
TOT. BODY (MREM)	2.5	0.32	0.34	0.12	0.01	0.39
SKIN (MREM)	7.5	0.98	1.01	0.43	0.03	1.22
ORGAN (MREM)	7.5	0.02	0.85	0.24	0.86	0.99
	THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 06/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.77E-02	6.88E-03	9.55E-03	1.77E-02	0.00E+00	3.42E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	9.78E-02	3.87E-02	5.24E-02	9.78E-02	0.00E+00	1.89E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	4.44E-03	1.66E-03	2.39E-03	4.44E-03	0.00E+00	8.49E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	4.44E-02	1.73E-02	2.38E-02	4.44E-02	0.00E+00	8.55E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	3.26E-04	3.86E-04	2.98E-02	3.28E-04	0.00E+00	3.05E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 06/01/91 TO 06/30/91 CALCULATED 06/28/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
 ODCM ANNEX
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 AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	% OF APP. I.				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.35	0.00	10.0	0.34
BETA AIR (MRAD)	10.0	0.39	0.52	0.98	0.00	20.0	0.94
TCT. BODY (MREM)	2.5	0.07	0.10	0.18	0.00	5.0	0.17
SKIN (MREM)	7.5	0.23	0.32	0.59	0.00	15.0	0.57
ORGAN (MREM)	7.5	0.01	0.40	0.00	0.00	15.0	0.20
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
 MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
 PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91
 ADULT RECEPTOR
 DATABASE CONTAINS DATA THROUGH 06/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.77E-02	6.88E-03	9.55E-03	1.77E-02	0.00E+00	3.42E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	9.78E-02	3.87E-02	5.24E-02	9.78E-02	0.00E+00	1.89E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	4.44E-03	1.65E-03	2.39E-03	4.44E-03	0.00E+00	8.49E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	4.44E-02	1.73E-02	2.38E-02	4.44E-02	0.00E+00	8.55E-02
(MREM)	(W)	(W)	(W)	(W)	()	()
ORGAN	1.42E-03	2.56E-04	5.32E-02	1.42E-03	0.00E+00	5.49E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 06/01/91 TO 06/30/91 CALCULATED 06/28/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
 ODCM ANNEX
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 AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.35	0.00	10.0	0.34
PETA AIR (MRAD)	10.0	0.39	0.52	0.98	0.00	20.0	0.94
TOT. BODY (MREM)	2.5	0.07	0.10	0.18	0.00	5.0	0.1
SKIN (MREM)	7.5	0.23	0.32	0.59	0.00	15.0	0.57
ORGAN (MREM)	7.5	0.00	0.71	0.02	0.00	15.0	0.37
		THYROID	THYROID	THYROID		THYROID	

RESULTS BASED UPON
ODCM ANNEX
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AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 08/21/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 07/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.64E-05	6.88E-03	9.55E-03	1.78E-02	0.00E+00	3.42E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	3.15E-04	3.87E-02	5.24E-02	9.81E-02	0.00E+00	1.89E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.40E-05	1.66E-03	2.39E-03	4.45E-03	0.00E+00	8.50E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.41E-04	1.73E-02	2.38E-02	4.45E-02	0.00E+00	8.57E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	6.49E-04	3.86E-04	2.98E-02	9.77E-04	0.00E+00	3.12E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91

THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
ODCM ANNEX
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AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

		----- % OF APP I. -----					
	QTRLY	1ST QTR	2ND QTR	3RD QTR	4TH QTR	YRLY	% OF
	OBJ	JAN-MAR	APR-JUN	JUL-SEP	OCT-NOV	OBJ	APP. I
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.36	0.00	10.0	0.34
BETA AIR (MRAD)	10.0	0.39	0.52	0.98	0.00	20.0	0.95
TOT. BODY (MREM)	2.5	0.07	0.10	0.18	0.00	5.0	0.17
SKIN (MREM)	7.5	0.23	0.32	0.59	0.00	15.0	0.57
ORGAN (MREM)	7.5	0.01	0.40	0.01	0.00	15.0	0.21
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.8
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 08/21/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 07/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	5.64E-05	6.88E-03	9.55E-03	1.78E-02	0.00E+00	3.42E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	3.13E-04	3.87E-02	5.24E-02	9.81E-02	0.00E+00	1.89E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	1.40E-05	1.66E-03	2.39E-03	4.45E-03	0.00E+00	8.50E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	1.41E-04	1.73E-02	2.38E-02	4.45E-02	0.00E+00	8.57E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	1.83E-03	2.56E-04	5.32E-02	3.24E-03	0.00E+00	5.67E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
THYROID	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 08/19/91
 THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
 CDCM ANNEX
 REVISION 0.8
 AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
 COMPLIANCE STATUS - 10 CFR 50 APP. 1
 ADULT RECEPTOR

		----- % OF APP 1. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP.1
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.35	0.00	10.0	0.34
BETA AIR (MRAD)	10.0	0.39	0.52	0.98	0.00	20.0	0.95
TOT. BODY (MREM)	2.5	0.07	0.10	0.18	0.00	5.0	0.17
SKIN (MREM)	7.5	0.23	0.32	0.59	0.00	15.0	0.57
ORGAN (MREM)	7.5	0.00	0.71	0.04	0.00	15.0	0.38
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
 ODCM ANNEX
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 AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 08/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.51E-03	6.88E-03	9.55E-03	2.19E-02	0.00E+00	3.83E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	8.70E-03	3.87E-02	5.24E-02	1.21E-01	0.00E+00	2.12E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	3.56E-04	1.66E-03	2.39E-03	5.42E-03	0.00E+00	9.46E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	3.88E-03	1.73E-02	2.38E-02	5.48E-02	0.00E+00	9.60E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	1.14E-04	3.86E-04	2.98E-02	1.09E-03	0.00E+00	3.13E-02
(MREM)	(E)	(E)	(E)	(E)	()	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 09/17/91
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.38
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.00	20.0	1.06
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	0.73	0.00	15.0	0.64
ORGAN (MREM)	7.5	0.01	0.40	0.01	0.00	15.0	0.21
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
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BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 08/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.51E-03	6.88E-03	9.55E-03	2.19E-02	0.00E+00	3.83E-02
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
BETA AIR	8.70E-03	3.87E-02	5.24E-02	1.21E-01	0.00E+00	2.12E-01
(MRAD)	(W)	(W)	(W)	(W)	()	(W)
TOT. BODY	3.56E-04	1.66E-03	2.39E-03	5.42E-03	0.00E+00	9.46E-03
(MREM)	(W)	(W)	(W)	(W)	()	(W)
SKIN	3.88E-03	1.73E-02	2.38E-02	5.48E-02	0.00E+00	9.60E-02
(MREM)	(W)	(W)	(W)	(W)	()	(W)
ORGAN	7.37E-04	2.56E-04	5.32E-02	3.98E-03	0.00E+00	5.74E-02
(MREM)	(N)	(N)	(N)	(N)	()	(N)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 09/17/91
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

		----- % OF APP I. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.38
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.00	20.0	1.06
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	0.73	0.00	15.0	0.64
ORGAN (MREM)	7.5	0.00	0.71	0.05	0.00	15.0	0.38
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
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BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.02E-04	6.88E-03	9.55E-03	2.19E-02	2.02E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	1.20E-03	3.87E-02	5.24E-02	1.21E-01	1.20E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	4.59E-05	1.66E-03	2.39E-03	5.42E-03	4.59E-05	9.51E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	5.22E-04	1.73E-02	2.38E-02	5.48E-02	5.22E-04	9.65E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	1.10E-03	3.86E-04	2.98E-02	1.09E-03	1.10E-03	3.24E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0
SKIN (MREM)	7.5	0.23	0.32	0.73	0.01	15.0
ORGAN (MREM)	7.5	0.01	0.40	0.01	0.01	15.0
	THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 09/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.02E-04	6.88E-03	9.55E-03	2.19E-02	2.02E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	1.20E-03	3.87E-02	5.24E-02	1.21E-01	1.20E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	4.59E-05	1.66E-03	2.39E-03	5.42E-03	4.59E-05	9.51E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	5.22E-04	1.73E-02	2.38E-02	5.48E-02	5.22E-04	9.65E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	3.77E-03	2.56E-04	5.32E-02	3.98E-03	3.77E-03	6.12E-02
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
—	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/19/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

		----- % OF APP I. -----					
QTRLY	OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP.I
AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.39
AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0	1.07
BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
(MREM)	7.5	0.23	0.32	0.73	0.01	15.0	0.64
(MREM)	7.5	0.00	0.71	0.05	0.05	15.0	0.41
		THYRCID	THYROID	THYROID	THYROID	THYROID	

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 10/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.80E-05	6.88E-03	9.55E-03	2.19E-02	2.20E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	1.04E-04	3.87E-02	5.24E-02	1.21E-01	1.30E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	4.11E-06	1.66E-03	2.39E-03	5.42E-03	5.00E-05	9.51E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	4.43E-05	1.73E-02	2.38E-02	5.48E-02	5.67E-04	9.65E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	1.06E-04	3.86E-04	2.98E-02	1.09E-03	1.21E-03	3.25E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

		----- % OF APP I. -----					
QTRLY	OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.39
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0	1.07
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	0.73	0.01	15.0	0.64
ORGAN (MREM)	7.5	0.01	0.40	0.01	0.02	15.0	0.22
		THYROID	THYROID	THYROID	THYROID	THYROID	

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 10/31/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.80E-05	6.88E-03	9.55E-03	2.19E-02	2.20E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	1.04E-04	3.87E-02	5.24E-02	1.21E-01	1.30E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	4.11E-06	1.66E-03	2.39E-03	5.42E-03	5.00E-05	9.51E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	4.43E-05	1.73E-02	2.38E-02	5.48E-02	5.67E-04	9.65E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	5.15E-05	2.56E-04	5.32E-02	3.98E-03	3.82E-03	6.12E-02
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.39
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0	1.07
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	1.73	0.01	15.0	0.64
ORGAN (MREM)	7.5	0.00	0.71	1.05	0.05	15.0	0.41
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 01/09/92

INFANT RECEPTOR

DATABASE CONTAINS DATA THROUGH 11/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.45E-05	6.88E-03	9.55E-03	2.19E-02	2.34E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	4.31E-05	3.87E-02	5.24E-02	1.21E-01	1.35E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	6.05E-06	1.66E-03	2.39E-03	5.42E-03	5.61E-05	9.52E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	3.08E-05	1.73E-02	2.38E-02	5.48E-02	5.98E-04	9.66E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	2.41E-04	3.86E-04	2.98E-02	1.09E-03	1.45E-03	3.27E-02
(MREM)	(E)	(E)	(E)	(E)	(E)	(E)
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	----- % OF APP I. -----				YRLY OBJ	% OF APP. I
		1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV		
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.39
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0	1.07
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	0.73	0.01	15.0	0.64
ORGAN (MREM)	7.5	0.01	0.40	0.01	0.02	15.0	0.22
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991

MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 01/09/92

ADULT RECEPTOR

DATABASE CONTAINS DATA THROUGH 11/30/91

TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.45E-05	6.86E-03	9.55E-03	2.19E-02	2.34E-04	3.85E-02
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
BETA AIR	4.31E-05	3.87E-02	5.24E-02	1.21E-01	1.35E-03	2.14E-01
(MRAD)	(W)	(W)	(W)	(W)	(W)	(W)
TOT. BODY	6.05E-06	1.66E-03	2.39E-03	5.42E-03	5.61E-05	9.52E-03
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
SKIN	3.08E-05	1.73E-02	2.38E-02	5.48E-02	5.98E-04	9.66E-02
(MREM)	(W)	(W)	(W)	(W)	(W)	(W)
ORGAN	1.17E-04	2.56E-04	5.32E-02	3.98E-03	3.93E-03	6.14E-02
(MREM)	(N)	(N)	(N)	(N)	(N)	(N)
THYROID	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT TWO

ACTUAL 1991
COMPLIANCE STATUS - 10 CFR 50 APP. I
ADULT RECEPTOR

	----- % OF APP I. -----						
	QTRLY	1ST QTR	2ND QTR	3RD QTR	4TH QTR	YRLY	% OF
	OBJ	JAN-MAR	APR-JUN	JUL-SEP	OCT-NOV	OBJ	APP.I
GAMMA AIR (MRAD)	5.0	0.14	0.19	0.44	0.00	10.0	0.39
BETA AIR (MRAD)	10.0	0.39	0.52	1.21	0.01	20.0	1.07
TOT. BODY (MREM)	2.5	0.07	0.10	0.22	0.00	5.0	0.19
SKIN (MREM)	7.5	0.23	0.32	0.73	0.01	15.0	0.64
ORGAN (MREM)	7.5	0.00	0.71	0.05	0.05	15.0	0.41
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.B
AUGUST 1990

BRAIDWOOD UNIT ONE
 MAXIMUM INSTANTANEOUS RELEASE RATE
 PERIOD OF RELEASE - 07/29/91 TO 08/14/91 CALCULATED 08/19/91

ORGAN	DOSE RATE MREM/YEAR	10 CFR 20 LIMIT MREM/YEAR	% OF 10 CFR 20
TOTAL BODY	1.52E-01 (W)	500.0	0.03
SKIN	1.25E+00 (W)	3000.0	0.04
CRITICAL ORGAN THYROID	1.29E-02 (W)	1500.0	0.00

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.B
 AUGUST 1990

RECEPTOR IS CHILD

BRAIDWOOD UNIT ONE
 MAXIMUM INSTANTANEOUS RELEASE RATE
 PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 09/17/91

ORGAN	DOSE RATE MREM/YEAR	10 CFR 20 LIMIT MREM/YEAR	% OF 10 CFR 20
TOTAL BODY	2.50E-01 (W)	500.0	0.05
SKIN	2.54E+00 (W)	3000.0	0.08
CRITICAL ORGAN THYROID	7.50E-02 (W)	1500.0	0.00

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.B
 AUGUST 1990

RECEPTOR IS CHILD

BRAIDWOOD UNIT ONE
 MAXIMUM INSTANTANEOUS RELEASE RATE
 PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 11/08/91

ORGAN	DOSE RATE MREM/YEAR	10 CFR 20 LIMIT MREM/YEAR	% OF 10 CFR 20
TOTAL BODY	1.50E-02 (W)	500.0	0.00
SKIN	1.35E-01 (W)	3000.0	0.00
CRITICAL ORGAN THYROID	1.27E-01 (W)	1500.0	0.01

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.B
 AUGUST 1990

RECEPTOR IS CHILD

BRAIDWOOD UNIT ONE
 MAXIMUM INSTANTANEOUS RELEASE RATE
 PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 12/09/91

ORGAN	DOSE RATE MREM/YEAR	10 CFR 20 LIMIT MREM/YEAR	% OF 10 CFR 20
TOTAL BODY	4.00E-03 (W)	500.0	0.00
SKIN	3.12E-02 (W)	3000.0	0.00
CRITICAL ORGAN THYROID	1.55E-01 (W)	1500.0	0.01

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.B
 AUGUST 1990

RECEPTOR IS CHILD

BRAIDWOOD UNIT ONE
 MAXIMUM INSTANTANEOUS RELEASE RATE
 PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 01/C9/92

ORGAN	DOSE RATE MREM/YEAR	10 CFR 20 LIMIT MREM/YEAR	% OF 10 CFR 20
TOTAL BODY	2.37E-03 (W)	500.0	0.00
SKIN	1.14E-02 (W)	3000.0	0.00
CRITICAL ORGAN THYROID	7.38E-02 (W)	1500.0	0.00

RESULTS BASED UPON
 ODCM ANNEX
 REVISION 0.B
 AUGUST 1990

RECEPTOR IS CHILD

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.76E-03	3.16E-03	2.69E-03	1.76E-03	0.00E+00	7.61E-03
INTERNAL ORGAN	3.08E-03	3.98E-03	2.39E-02	3.08E-03	0.00E+00	2.91E-02
	GI-LLI	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/29/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 (MREM)	0.190
INTERNAL ORGAN	4.0 (MREM)	0.729
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.07E-03	4.09E-03	5.40E-03	3.07E-03	0.00E+00	1.26E-02
BODY						
INTERNAL	3.07E-02	1.92E-02	1.80E-01	3.07E-02	0.00E+00	2.30E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/29/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.20	0.00	3.0	0.42
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.61	0.00	10.0	2.30
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.45E-03	9.44E-03	1.04E-02	5.45E-03	0.00E+00	2.53E-02
BODY						
INTERNAL	6.01E-03	1.23E-02	1.64E-01	6.01E-03	0.00E+00	1.82E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/29/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.632
BODY		
INTERNAL	4.0 (MREM)	4.548
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.45E-03	9.44E-03	1.04E-02	5.45E-03	0.00E+00	2.53E-02
BODY						
INTERNAL	6.01E-03	1.23E-02	1.64E-01	6.01E-03	0.00E+00	1.82E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/29/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.36	0.00	3.0	0.84
CRIT. ORGAN (MREM)	5.0	0.25	3.27	0.12	0.00	10.0	1.82
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.16E-03	3.16E-03	2.69E-03	2.92E-03	0.00E+00	8.77E-03
BODY						
INTERNAL	1.36E-03	3.98E-03	2.39E-02	4.40E-03	0.00E+00	3.05E-02
ORGAN						
	THYROID	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.219
BODY		
INTERNAL	4.0 (MREM)	0.763
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.19E-03	4.09E-03	5.40E-03	4.26E-03	0.00E+00	1.38E-02
BODY						
INTERNAL	4.02E-03	1.92E-02	1.80E-01	3.47E-02	0.00E+00	2.34E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

		----- % OF APP I. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP.I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.28	0.00	3.0	0.46
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.69	0.00	10.0	2.34
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92

LATBASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.45E-03	9.44E-03	1.04E-02	8.90E-03	0.00E+00	2.87E-02
BODY						
INTERNAL	4.89E-03	1.23E-02	1.64E-01	1.09E-02	0.00E+00	1.87E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.718
BODY		
INTERNAL	4.0 (MREM)	4.670
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.45E-03	9.44E-03	1.04E-02	8.90E-03	0.00E+00	2.87E-02
BODY						
INTERNAL	4.89E-03	1.23E-02	1.64E-01	1.09E-02	0.00E+00	1.87E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.59	0.00	3.0	0.96
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.22	0.00	10.0	1.87
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	8.90E-04	3.16E-03	2.69E-03	3.81E-03	0.00E+00	9.66E-03
BODY						
INTERNAL	1.08E-03	3.98E-03	2.39E-02	5.47E-03	0.00E+00	3.14E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.242
BODY		
INTERNAL	4.0 (MREM)	0.786
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	9.88E-04	4.09E-03	5.40E-03	5.25E-03	0.00E+00	1.47E-02
BODY						
INTERNAL	3.93E-03	1.92E-02	1.80E-01	3.86E-02	0.00E+00	2.38E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.00	3.0	0.49
CRIT. ORGAN (MREM)	5.0	0.38	3.59	0.77	0.00	10.0	2.38
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.66E-03	9.44E-03	1.04E-02	1.16E-02	0.00E+00	3.14E-02
BODY						
INTERNAL	3.01E-03	1.23E-02	1.64E-01	1.39E-02	0.00E+00	1.90E-01
ORG/N						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.785
BODY		
INTERNAL	4.0 (MREM)	4.746
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MR.M) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.66E-03	9.44E-03	1.04E-02	1.16E-02	0.00E+00	3.14E-02
BODY						
INTERNAL	3.01E-03	1.23E-02	1.64E-01	1.39E-02	0.00E+00	1.90E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.00	3.0	1.05
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.28	0.00	10.0	1.90
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.46E-04	3.16E-03	2.69E-03	3.81E-03	7.46E-04	1.04E-02
BODY						
INTERNAL	8.56E-04	3.98E-03	2.39E-02	5.47E-03	8.56E-04	3.23E-02
ORGAN						
	THYROID	GI-LLI	THYROID	GI-LLI	THYROID	THEYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.260
BODY		
INTERNAL	4.0 (MREM)	0.807
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.89E-04	4.09E-03	5.40E-03	5.25E-03	7.89E-04	1.55E-02
BODY						
INTERNAL	3.70E-03	1.92E-02	1.80E-01	3.86E-02	3.70E-03	2.41E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.05	3.0	0.52
CRIT. ORGAN (MREM)	5.0	0.38	3.59	0.77	0.07	10.0	2.41
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.21E-03	9.44E-03	1.04E-02	1.16E-02	2.21E-03	3.36E-02
BODY						
INTERNAL	3.03E-03	1.23E-02	1.64E-01	1.39E-02	3.03E-03	1.93E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.840
BODY		
INTERNAL	4.0 (MREM)	4.821
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE-
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.21E-03	9.44E-03	1.04E-02	1.16E-02	2.21E-03	3.36E-02
BODY						
INTERNAL	3.03E-03	1.23E-03	1.64E-01	1.39E-02	3.03E-03	1.93E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.15	3.0	1.12
CRIT. ORGAN (MREM)	5.0	0.25	3.27	0.28	0.06	10.0	1.93
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.18E-03	3.16E-03	2.69E-03	3.81E-03	2.93E-03	1.26E-02
BODY						
INTERNAL	2.71E-03	3.98E-03	2.39E-02	5.47E-03	3.56E-03	3.40E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI	GI-LLI	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.315
BODY		
INTERNAL	4.0 (MREM)	0.850
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.28E-02	4.09E-03	5.40E-03	5.25E-03	1.36E-02	2.84E-02
BODY						
INTERNAL	1.82E-02	1.92E-02	1.80E-01	3.86E-02	2.19E-02	2.60E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.91	3.0	0.95
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.77	0.44	10.0	2.60
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.79E-03	9.44E-03	1.04E-02	1.16E-02	8.00E-03	3.94E-02
BODY						
INTERNAL	7.48E-03	1.23E-02	1.64E-01	1.39E-02	9.71E-03	1.98E-01
ORGAN						
	LIVER	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.985
BODY		
INTERNAL	4.0 (MREM)	4.949
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.79E-03	9.44E-03	1.04E-02	1.16E-02	6.00E-03	3.94E-02
BODY						
INTERNAL	7.48E-03	1.23E-02	1.64E-01	1.39E-02	9.71E-03	1.98E-01
ORGAN						
	LIVER	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.53	3.0	1.31
CRIT. ORGAN (MREM)	5.0	0.25	3.27	0.28	0.19	10.0	1.98
		THYROID	THYROID	THYROID	LIVER		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.77E-04	3.16E-03	2.69E-03	3.81E-03	3.71E-03	1.34E-02
BODY						
INTERNAL	8.99E-04	3.98E-03	2.39E-02	5.47E-03	4.46E-03	3.48E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI	GI-LLI	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.334
BODY		
INTERNAL	4.0 (MREM)	0.869
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	8.00E-04	4.09E-03	5.40E-03	5.25E-03	1.44E-02	2.92E-02
BODY						
INTERNAL	3.14E-03	1.92E-02	1.80E-01	3.96E-02	2.51E-02	2.63E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.96	3.0	0.97
CRIT. ORGAN (MREM)	5.0	0.38	3.59	0.77	0.50	10.0	2.63
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.31E-03	9.44E-03	1.04E-02	1.16E-02	1.03E-02	4.17E-02
BODY						
INTERNAL	2.33E-03	1.23E-02	1.64E-01	1.39E-02	1.20E-02	2.00E-01
ORGAN						
	GI-LLI	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	1.042
BODY		
INTERNAL	4.0 (MREM)	5.005
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT ONE
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.31E-03	9.44E-03	1.04E-02	1.16E-02	1.03E-02	4.17E-02
BODY						
INTERNAL	2.33E-03	1.23E-02	1.64E-01	1.39E-02	1.20E-02	2.00E-01
ORGAN						
	GI-LLI	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.69	3.0	1.39
CRIT. ORGAN (MREM)	5.0	0.25	3.27	0.28	0.24	10.0	2.00
		THYROID	THYROID	THYROID	LIVER		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.45E-03	9.44E-03	1.04E-02	5.45E-03	0.00E+00	2.53E-02
BODY						
INTERNAL	6.01E-03	1.23E-02	1.64E-01	6.01E-03	0.00E+00	1.82E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/14/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.36	0.00	3.0	0.84
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.12	0.00	10.0	1.82
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.45E-03	9.44E-03	1.04E-02	5.45E-03	0.00E+00	2.53E-02
BODY						
INTERNAL	6.01E-03	1.23E-02	1.64E-01	6.01E-03	0.00E+00	1.82E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/14/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.632
BODY		
INTERNAL	4.0 (MREM)	4.548
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.07E-03	4.09E-03	5.40E-03	3.07E-03	0.00E+00	1.26E-02
BODY						
INTERNAL	3.07E-02	1.92E-02	1.80E-01	3.07E-02	0.00E+00	2.30E-01
ORGAN	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/14/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.20	0.00	3.0	0.42
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.61	0.00	10.0	2.30
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 07/01/91 TO 07/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 06/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.76E-03	3.16E-03	2.69E-03	1.76E-03	0.00E+00	7.61E-03
BODY						
INTERNAL	3.08E-03	3.98E-03	2.39E-02	3.08E-03	0.00E+00	2.91E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 01/14/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.190
BODY		
INTERNAL	4.0 (MREM)	0.729
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991
MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.45E-03	9.44E-03	1.04E-02	8.90E-03	0.00E+00	2.87E-02
BODY						
INTERNAL	4.89E-03	1.23E-02	1.64E-01	1.09E-02	0.00E+00	1.87E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS FELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
AL BODY (MREM)	1.5	0.63	0.69	0.59	0.00	3.0	0.93
IT. ORGAN (MREM)	5.0	0.25	3.27	0.22	0.00	10.0	1.87
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	3.45E-03	9.44E-03	1.04E-02	8.90E-03	0.00E+00	2.87E-02
BODY						
INTERNAL	4.89E-03	1.23E-02	1.64E-01	1.09E-02	0.00E+00	1.87E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.718
BODY		
INTERNAL	4.0 (MREM)	4.670
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.19E-03	4.09E-03	5.40E-03	4.26E-03	0.00E+00	1.38E-02
BODY						
INTERNAL	4.02E-03	1.92E-02	1.80E-01	3.47E-02	0.00E+00	2.34E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.28	0.00	3.0	0.46
CRIT. ORGAN (MREM)	5.0	0.38	3.59	0.69	0.00	10.0	2.34
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 08/01/91 TO 08/31/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 07/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.16E-03	3.16E-03	2.69E-03	2.92E-03	0.00E+00	8.77E-03
BODY						
INTERNAL	1.36E-03	3.98E-03	2.39E-02	4.40E-03	0.00E+00	3.05E-02
ORGAN						
	THYROID	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 07/01 TO 07/31 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.219
BODY		
INTERNAL	4.0 (MREM)	0.763
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.66E-03	9.44E-03	1.04E-02	1.16E-02	0.00E+00	3.14E-02
BODY						
INTERNAL	3.01E-03	1.23E-02	1.64E-01	1.39E-02	0.00E+00	1.90E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.00	3.0	1.05
CRIT. ORGAN (MREM)	5.0	0.25	3.27	0.28	0.00	10.0	1.90
		THYROID	THYROID	THYROID			THYROID

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.66E-03	9.44E-03	1.04E-02	1.16E-02	0.00E+00	3.14E-02
BODY						
INTERNAL	3.01E-03	1.23E-02	1.64E-01	1.39E-02	0.00E+00	1.90E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.785
BODY		
INTERNAL	4.0 (MREM)	4.746
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	9.88E-04	4.09E-03	5.40E-03	5.25E-03	0.00E+00	1.47E-02
BODY						
INTERNAL	3.93E-03	1.92E-02	1.80E-01	3.86E-02	0.00E+00	2.38E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.00	3.0	0.49
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.77	0.00	10.0	2.38
		GI-LLI	GI-LLI	GI-LLI			GI-LLI

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 09/01/91 TO 09/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 08/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	8.90E-04	3.16E-03	2.69E-03	3.81E-03	0.00E+00	9.66E-03
BODY						
INTERNAL	1.08E-03	3.98E-03	2.39E-02	5.47E-03	0.00E+00	3.14E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI		THYROID

LAST PERIOD OF RELEASE - 08/01 TO 08/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE THIRD QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.242
BODY		
INTERNAL	4.0 (MREM)	0.786
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.21E-03	9.44E-03	1.04E-02	1.16E-02	2.21E-03	3.36E-02
BODY						
INTERNAL	3.03E-03	1.23E-02	1.64E-01	1.39E-02	3.03E-03	1.93E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.15	3.0	1.12
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.28	0.06	10.0	1.93
		THYROID	THYROID	THYROID	THYROID		THYROID

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.21E-03	9.44E-03	1.04E-02	1.16E-02	2.21E-03	3.36E-02
BODY						
INTERNAL	3.03E-03	1.23E-02	1.64E-01	1.39E-02	3.03E-03	1.93E-01
ORGAN						
	THYROID	THYROID	THYROID	THYROID	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.840
BODY		
INTERNAL	4.0 (MREM)	4.821
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.89E-04	4.09E-03	5.40E-03	5.25E-03	7.89E-04	1.55E-02
BODY						
INTERNAL	7.70E-03	1.92E-02	1.80E-01	3.86E-02	3.70E-03	2.41E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.05	3.0	0.52
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.77	0.07	10.0	2.41
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 10/01/91 TO 10/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 09/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.46E-04	3.16E-03	2.69E-03	3.81E-03	7.46E-04	1.04E-02
BODY						
INTERNAL	8.56E-04	3.98E-03	2.39E-02	5.47E-03	8.56E-04	3.23E-02
ORGAN						
	THYROID	GI-LLI	THYROID	GI-LLI	THYROID	THYROID

LAST PERIOD OF RELEASE - 09/01 TO 09/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.260
BODY		
INTERNAL	4.0 (MREM)	0.807
ORGAN		
		THYROID

* THIS CALCULATION OF-DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE
COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
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ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.80E-03	9.44E-03	1.04E-02	1.16E-02	8.02E-03	3.94E-02
BODY						
INTERNAL	7.50E-03	1.23E-02	1.64E-01	1.39E-02	9.73E-03	1.98E-01
ORGAN						
	LIVER	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

		----- % OF APP I. -----					
	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP.I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.53	3.0	1.31
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.28	0.19	10.0	1.98
		THYROID	THYROID	THYROID	LIVER		THYROID

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	5.80E-03	9.44E-03	1.04E-02	1.16E-02	8.02E-03	3.94E-02
BODY						
INTERNAL	7.50E-03	1.23E-02	1.64E-01	1.39E-02	9.73E-03	1.98E-01
ORGAN						
	LIVER	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.985
BODY		
INTERNAL	4.0 (MREM)	4.949
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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DECEMBER 1989

BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	1.28E-02	4.09E-03	5.40E-03	5.25E-03	1.36E-02	2.84E-02
BODY						
INTERNAL	1.82E-02	1.92E-02	1.80E-01	3.86E-02	2.19E-02	2.60E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.91	3.0	0.95
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.77	0.44	10.0	2.60
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 11/01/91 TO 11/30/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 10/31/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.19E-03	3.16E-03	2.69E-03	3.81E-03	2.93E-03	1.26E-02
BODY						
INTERNAL	2.71E-03	3.98E-03	2.39E-02	5.47E-03	3.56E-03	3.40E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI	GI-LLI	THYROID

LAST PERIOD OF RELEASE - 10/01 TO 10/31 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.315
BODY		
INTERNAL	4.0 (MREM)	0.850
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
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BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.31E-03	9.44E-03	1.04E-02	1.16E-02	1.03E-02	4.17E-02
BODY						
INTERNAL	2.33E-03	1.23E-02	1.64E-01	1.39E-02	1.20E-02	2.00E-01
ORGAN						
	GI-LLI	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP. I
TOTAL BODY (MREM)	1.5	0.63	0.69	0.77	0.69	3.0	1.39
CRIT. ORGAN(MREM)	5.0	0.25	3.27	0.28	0.24	10.0	2.00
		THYROID	THYROID	THYROID	LIVER		THYROID

RESULTS BASED UPON
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BRAIDWOOD UNIT TWO
INFANT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	2.31E-03	9.44E-03	1.04E-02	1.16E-02	1.03E-02	4.17E-02
BODY						
INTERNAL	2.33E-03	1.23E-02	1.64E-01	1.39E-02	1.20E-02	2.00E-01
ORGAN						
	GI-LLI	THYROID	THYROID	THYROID	LIVER	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	1.043
BODY		
INTERNAL	4.0 (MREM)	5.005
ORGAN		
		THYROID

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COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER
FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
ODCM ANNEX
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS
PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92
DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	8.00E-04	4.09E-03	5.40E-03	5.25E-03	1.44E-02	2.92E-02
BODY						
INTERNAL	3.14E-03	1.92E-02	1.80E-01	3.86E-02	2.51E-02	2.63E-01
ORGAN						
	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI	GI-LLI

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92
THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-NOV	YRLY OBJ	% OF APP I
TOTAL BODY (MREM)	1.5	0.27	0.36	0.35	0.96	3.0	0.97
CRIT. ORGAN(MREM)	5.0	0.38	3.59	0.77	0.50	10.0	2.63
		GI-LLI	GI-LLI	GI-LLI	GI-LLI		GI-LLI

RESULTS BASED UPON
ODCM ANNEX
REVISION 0.A
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BRAIDWOOD UNIT TWO
ADULT RECEPTOR

ACTUAL 1991

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *

PERIOD OF RELEASE - 12/01/91 TO 12/31/91 CALCULATED 02/08/92

DATABASE CONTAINS DATA THROUGH 11/30/91

DOSE TYPE	CURRENT RELEASE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	7.77E-04	3.16E-03	2.69E-03	3.81E-03	3.71E-03	1.34E-02
BODY						
INTERNAL	8.99E-04	3.98E-03	2.39E-02	5.47E-03	4.46E-03	3.48E-02
ORGAN						
	GI-LLI	GI-LLI	THYROID	GI-LLI	GI-LLI	THYROID

LAST PERIOD OF RELEASE - 11/01 TO 11/30 CALCULATED 02/08/92

THIS REPORT CONTAINS RELEASES FOR THE FOURTH QUARTER

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.334
BODY		
INTERNAL	4.0 (MREM)	0.869
ORGAN		
		THYROID

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON
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