



242 ✓

PRIORITY	ROUTING
First	Second
BA	PC
DRA	PC
DIB	PC
DBS	PC
DESS	PC
Engr	PC
FILE	PC

242 ✓

Original

FR					
DPA					
DPS					
DBS					
DSS					
DSB					
FILE					

FILE

工E#8

MAY 19 1988

BRAIDWOOD NUCLEAR POWER STATION  
SEMIANNUAL EFFLUENT REPORT FOR JULY to DECEMBER, 1987  
GASEOUS EFFLUENTS - VENT STACK RELEASES

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

Mn-54	Ci								
Fe-55	Ci								
Fe-59	Ci								
Co-58	Ci								
Co-60	Ci								
Sr-89	Ci					< LLD	< LLD	< LLD	< LLD
Sr-90	Ci					< LLD	< LLD	< LLD	< LLD
Y-88	Ci								
Ru-103	Ci								
Ag-110m	Ci								
Cs-134	Ci								
Cs-136	Ci								
Cs-137	Ci								
Ba/La-140	Ci								
Ce-144	Ci								
Others (Specify)									

R 8806010150 871231  
PDR ADDCK 05000456  
DCB

1/4/87  
7811P(032588)

BRAIDWOOD NUCLEAR POWER STATION  
SEMIANNUAL EFFLUENT REPORT FOR JULY to DECEMBER, 1987  
LIQUID EFFLUENTS

	UNITS	JUL	AUG	SEP	3rd QUARTER	OCT	NOV	DEC	4TH QUARTER
0. Liquid Effluents									
Sr-89	Ci					< LLD	< LLD	< LLD	< LLD
Sr-90	Ci					< LLD	< LLD	< LLD	< LLD
Co-58	Ci								
Co-60	Ci								
Cs-134	Ci								
Cs-136	Ci								
Cs-137	Ci								
I-131	Ci								
I-133	Ci								
Ba/La-140	Ci								
Xe-133	Ci								
Xe-135	Ci								
Others (Specify)									
Fe-55									6.15E-03

\*\*\*\*\*  
\* DELIVER TO HEALTH PHYSICS \*  
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LISTING OF USER SPECIFICATIONS

08:17:34 23-MAR-88

THE PREVIOUS RUN OF 03/23/88 INCLUDED RELEASES FROM 12/01/1987 THRU 12/31/1987  
THEY WERE ENTERED BY KIM

IF THESE RELEASES ARE CORRECT, DO YOU WANT TO SAVE THE RESULTS? (Y/N):

Y

UPDATING DATABASE...

UPDATE COMPLETE

THE APPENDIX I DATABASE IS COMPLETE THROUGH 12/31/1987

ARE YOU REQUESTING AN ANNUAL REPORT? Y/N (DEFAULT=NO):

Y

# BRAIDWOOD UNIT ONE

## 1987 ANNUAL REPORT

MAXIMUM DOSES (MREM) RESULTING FROM LIQUID EFFLUENTS  
PERIOD OF RELEASE - 01/01/87 TO 12/31/87 CALCULATED 03/23/88

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	0.00E+00	0.00E+00	2.55E-05	3.38E-04	3.63E-04
INTERNAL ORGAN	0.00E+00	0.00E+00	1.61E-04	4.94E-04	6.49E-04
			GI-LLI	THYROID	GI-LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1987

### 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	0.00	0.00	0.00	0.02	3.0	0.01
CRIT. ORGAN(MREM)	5.0	0.00	0.00	0.00	0.01	10.0	0.01
				GI-LLI	THYROID		GI-LLI

RESULTS BASED UPON  
ODCM REVISION 11  
UPDATE CS118  
FEBRUARY 1986

# BRAIDWOOD UNIT ONE

## 1987 ANNUAL REPORT

PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM \*  
PERIOD OF RELEASE - 01/01/87 TO 12/31/87 CALCULATED 03/23/88

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL	0.00E+00	0.00E+00	1.16E-05	1.19E-04	1.30E-04
BODY					
INTERNAL	0.00E+00	0.00E+00	3.67E-05	1.84E-04	2.21E-04
ORGAN			THYROID	THYROID	THYROID

THIS IS A REPORT FOR THE CALENDAR YEAR 1987

### COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL	4.0 (MREM)	0.003
BODY		
INTERNAL	4.0 (MREM)	0.006
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. A PROJECTED DOSE OF 2 MREM USING CECO TECHNIQUES IS APPROXIMATELY 4 MREM USING EPA METHODS.

RESULTS BASED UPON  
ODCM REVISION 11  
UPDATE CS118  
FEBRUARY 1986