

DCOMEE NUCLEAR STATION
RADIOACTIVE EFFLUENT RELEASES

DATE : 08/28/88

II. AIRBORNE RELEASES

	UNITS	1st QTR	2nd QTR	YEAR : 1988 SUB-TOTAL
1. TOTAL NOBLE GASES	CURIES	6.35E+03	3.38E+03	9.73E+03
2. TOTAL HALOGENS	CURIES	1.60E-02	2.09E-02	4.04E-02
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES	7.68E-04	2.41E-03	3.18E-03
4. TOTAL TRITIUM	CURIES	3.47E+00	3.20E+00	6.67E+00
5. TOTAL PARTICULATE GROSS ALPHA ACTIVITY	CURIES	0.	0.	0.
6. MAXIMUM NOBLE GAS RELEASE RATE	BQI/SEC	1.60E+03	1.60E+03	1.60E+03
7. PERCENT OF APPLICABLE LIMIT FOR :				
A. NOBLE GASES	%	1.25E+01	6.62E+00	1.91E+01
B. HALOGENS	%	3.95E+00	7.07E+00	1.10E+01
C. PARTICULATES	%	6.98E-02	2.19E-01	2.89E-01
8. RADIONUCLIDES RELEASED	CURIES			
PARTICULATES				
C-14		0.	0.	0.
P-32		0.	0.	0.
CR-51		1.71E-04	2.19E-04	3.90E-04
KM-54		4.54E-06	9.09E-08	4.63E-06
FE-55		0.	0.	0.
FE-59		1.95E-06	5.32E-06	7.26E-06
CO-58		8.57E-06	8.37E-05	9.23E-05
CO-60		1.20E-05	2.08E-04	2.21E-04
NI-63		0.	0.	0.
ZN-65		9.38E-06	9.44E-06	1.88E-05
RB-86		0.	0.	0.
SR-89		2.84E-09	7.13E-09	9.97E-09
SR-90		1.86E-09	2.21E-09	4.07E-09
Y-91		0.	0.	0.
ZR-95		1.35E-06	3.99E-06	5.33E-06
NB-95		3.55E-07	2.00E-06	2.35E-06
MO-99		1.23E-04	1.85E-04	3.08E-04
RU-103		2.46E-07	1.48E-06	1.72E-06
RU-106		1.76E-04	2.79E-04	4.55E-04
AG-110M		4.07E-06	8.75E-06	1.28E-05
CD-115M		0.	0.	0.
SN-123		0.	0.	0.
SN-126		0.	0.	0.
SB-124		0.	0.	0.
SB-125		1.89E-05	2.23E-05	4.12E-05
TE-127M		0.	0.	0.
TE-129M		0.	0.	0.
CS-134		2.82E-05	2.08E-04	2.37E-04
CS-136		1.26E-06	4.58E-06	5.84E-06
CS-137		3.40E-05	9.37E-04	9.71E-04
BA-140		6.13E-05	8.91E-05	1.50E-04
CE-141		0.	0.	0.
CE-144		1.11E-04	1.42E-04	2.53E-04
HALOGENS				
I-131		1.19E-02	2.44E-02	3.63E-02
I-133		3.11E-03	2.52E-03	5.64E-03
I-135		9.92E-04	1.95E-03	2.90E-03
GASES				
KR-83M		0.	0.	0.
KR-85M		1.12E+01	1.25E+00	1.25E+01
KR-85		1.85E+02	2.44E+02	4.30E+02
KR-87		5.85E-02	2.41E+00	2.47E+00
KR-88		1.06E+00	0.	1.06E+00
KR-89		0.	0.	0.
KR-90		0.	0.	0.
XE-131M		7.49E+01	5.98E+01	1.35E+02
XE-133M		3.85E+01	2.23E+01	6.09E+01
XE-133		5.02E+03	3.01E+03	8.03E+03
XE-135M		7.84E-01	0.	7.84E-01
XE-135		2.20E+02	4.11E+01	2.61E+02
XE-137		0.	0.	0.
XE-138		0.	0.	0.
AR-41		2.74E-01	5.59E-01	8.32E-01

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	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>Sub-Total</u>
Particulates and Iodines with $T_{1/2} > 8$ Days	1.27E-02	2.68E-02	3.95E-02

DATE : 08/28/88

I. LIQUID RELEASES

	UNITS	1ST QTR	2ND QTR	YEAR : 1988 SUB-TOTAL
1. GROSS RADIOACTIVITY				
A. TOTAL RELEASE	CURIES	3.66E-01	3.36E-01	6.42E-01
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	7.62E-10	7.86E-10	7.74E-10
C. MAXIMUM CONCENTRATION RELEASED	UCI/ML	4.01E-08	5.88E-08	4.81E-08
2. TRITIUM				
A. TOTAL RELEASE	CURIES	1.63E+02	1.68E+02	3.31E+02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	4.85E-07	3.93E-07	3.99E-07
3. DISSOLVED NOBLE GASES				
A. TOTAL RELEASE	CURIES	3.58E-01	6.38E-01	9.88E-01
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	8.69E-10	1.47E-09	1.18E-09
4. GROSS ALPHA ACTIVITY				
A. TOTAL RELEASE	CURIES	0.	0.	0.
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	0.	0.	0.
5. VOLUME OF LIQUID WASTE TO DISCHARGE CANAL	LITERS	2.51E+07	1.88E+07	4.38E+07
6. VOLUME OF DILUTION WATER	LITERS	4.82E+11	4.27E+11	8.38E+11
7. RADIONUCLIDES RELEASED	CURIES			
F-18		0.	0.	0.
NA-24		1.44E-04	3.73E-05	1.82E-04
AR-41		0.	1.54E-04	1.54E-04
CR-51		3.71E-03	8.18E-03	1.18E-02
HM-54		1.96E-03	1.85E-03	3.82E-03
HM-56		0.	0.	0.
CO-57		1.79E-04	1.78E-04	3.58E-04
CO-58		5.29E-02	8.53E-02	1.38E-01
CO-60		2.84E-02	2.53E-02	5.37E-02
FE-59		0.	3.51E-04	3.51E-04
NI-63		0.	1.28E-03	1.28E-03
ZN-65		2.84E-04	3.57E-04	6.41E-04
KR-85		1.28E-01	1.51E-01	2.71E-01
KR-85M		0.	0.	0.
KR-87		0.	0.	0.
KR-88		0.	0.	0.
Y-88		0.	0.	0.
Y-92		0.	0.	0.
SR-89		8.96E-03	4.13E-03	1.31E-02
SR-90		8.34E-04	9.86E-04	1.82E-03
SR-91		6.99E-07	1.58E-05	1.65E-05
SR-92		1.49E-03	1.42E-03	2.91E-03
NB-95		8.58E-04	1.32E-03	2.17E-03
NB-97		1.13E-02	1.23E-02	2.37E-02
ZR-95		8.48E-05	2.56E-04	3.41E-04
ZR-97		6.89E-05	3.53E-05	1.84E-04
MO-99		4.65E-04	8.83E-04	1.27E-03
TC-99M		2.85E-04	6.58E-04	9.44E-04
RU-103		3.55E-04	1.49E-04	5.83E-04
RU-103M		0.	0.	0.
RU-106		2.89E-03	3.37E-03	5.46E-03
AG-108M		0.	0.	0.
AG-110M		4.35E-03	4.41E-03	8.76E-03
CB-109		0.	0.	0.
CD-113		1.27E-04	3.88E-05	1.57E-04
CB-115M		0.	0.	0.
IN-115M		0.	0.	0.
SB-122		0.	0.	0.
SD-124		0.	0.	0.
SD-125		1.56E-03	1.76E-03	3.33E-03
SH-123M		0.	0.	0.
SM-125		0.	0.	0.
I-131		4.84E-02	1.53E-02	6.37E-02
I-132		7.82E-06	8.22E-06	1.68E-05
I-133		6.19E-03	5.12E-04	6.71E-03
I-134		5.79E-03	2.24E-03	8.83E-03
I-135		5.84E-04	2.89E-04	7.94E-04
XE-131M		4.52E-03	6.42E-03	1.89E-02
XE-133		2.16E-01	4.66E-01	6.82E-01
XE-133M		2.83E-03	4.33E-03	6.36E-03
XE-135		6.77E-03	2.17E-03	8.94E-03
CE-134		0.	0.	0.
CE-141		0.	0.	0.
CE-144		1.25E-03	9.48E-04	2.28E-03
CS-134		4.49E-02	5.14E-02	9.62E-02
CS-135M		0.	0.	0.
CS-136		1.86E-03	2.81E-04	1.35E-03
CS-137		8.79E-02	1.89E-01	1.97E-01
CS-138		1.21E-03	2.32E-05	1.23E-03
BA-139		0.	0.	0.
BA-LA-140		1.54E-03	1.71E-03	3.25E-03
V-187		9.41E-05	2.38E-04	3.24E-04
HP-239		5.23E-07	1.43E-05	1.48E-05

B. PERCENT OF TECHNICAL SPECIFICATIONS
 LIMIT (15 CI) FOR TOTAL GROSS ACTIVITY
 RELEASED

2.84E+00 2.24E+00 4.28E+00