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MCGUIRE LIQUID DOSE- 1984 1ST SEMI-ANNUAL NRC REPORT- UNIT 1- 8/20/84 00000010

SKIN	MAXIMUM DOSE-	3.95D-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	84.82 %				
BONE	MAXIMUM DOSE-	7.52D-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	FE 55	11.97 %				
	CS 134	29.11 %				
	CS 137	57.31 %				
LIVER	MAXIMUM DOSE-	1.01D-01 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	H 3	5.31 %				
	CS 134	41.59 %				
	CS 137	44.40 %				
T. BODY	MAXIMUM DOSE-	7.26D-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	10.44 %				
	CS 134	46.57 %				
	CS 137	38.74 %				
THYROID	MAXIMUM DOSE-	6.19D-02 MREM	CRITICAL AGE-	INFANT	CRITICAL PATHWAY-	DRINKING
	H 3	15.82 %				
	I 131	83.17 %				
KIDNEY	MAXIMUM DOSE-	3.79D-02 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	H 3	14.12 %				
	CO 60	7.51 %				
	CS 134	35.27 %				
	CS 137	40.45 %				
LUNG	MAXIMUM DOSE-	2.24D-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	45.07 %				
	FE 55	12.06 %				
	CS 134	17.90 %				
	CS 137	21.74 %				
GI-LLI	MAXIMUM DOSE-	8.77D-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	8.64 %				
	CO 58	5.29 %				
	CO 60	6.85 %				
	NB 95	70.43 %				

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MCGUIRE NUCLEAR STATION
UNIT 1
RADIOACTIVE EFFLUENT RELEASES
DATE : 08/20/84

I. LIQUID RELEASES		UNITS	1ST QTR	2ND QTR	YEAR : 1984 SUBTOTAL
1.	GROSS RADIOACTIVITY				
A.	TOTAL RELEASE	CURIES	1.11E+00	1.70E-01	1.28E+00
B.	AVERAGE CONCENTRATION RELEASED	UCI/ML	2.01E-09	2.13E-10	9.48E-10
C.	MAXIMUM CONCENTRATION RELEASED	UCI/ML	2.81E-08	4.84E-09	2.81E-08
2.	TRITIUM				
A.	TOTAL RELEASE	CURIES	5.68E+01	5.23E+01	1.09E+02
B.	AVERAGE CONCENTRATION RELEASED	UCI/ML	1.03E-07	6.57E-08	7.09E-08
3.	DISSOLVED NOBLE GASES				
A.	TOTAL RELEASE	CURIES	8.14E-02	5.95E-03	8.73E-02
B.	AVERAGE CONCENTRATION RELEASED	UCI/ML	1.47E-10	7.47E-12	6.48E-11
4.	GROSS ALPHA ACTIVITY				
A.	TOTAL RELEASE	CURIES	0.00E+00	0.00E+00	0.00E+00
B.	AVERAGE CONCENTRATION RELEASED	UCI/ML	0.00E+00	0.00E+00	0.00E+00
5.	VOLUME OF LIQUID WASTE TO DISCHARGE CANAL	LITERS	2.39E+06	2.20E+06	4.59E+06
6.	VOLUME OF DILUTION WATER	LITERS	5.52E+11	7.96E+11	1.35E+12
7.	RADIONUCLIDES RELEASED	CURIES			
	NA-24		6.78E-04	6.68E-03	7.36E-03
	CR-51		3.13E-02	7.16E-03	3.84E-02
	MN-54		1.11E-02	2.57E-03	1.36E-02
	FE-55		6.88E-01	5.96E-02	7.47E-01
	FE-59		9.18E-03	1.83E-03	1.10E-02
	CO-58		1.73E-01	6.14E-02	2.35E-01
	CO-60		7.04E-02	1.71E-02	8.74E-02
	NI-65		0.00E+00	9.99E-06	9.99E-06
	ZN-65		1.14E-03	1.17E-04	1.25E-03
	RB-88		6.76E-03	0.00E+00	6.76E-03
	SR-89		6.87E-05	3.50E-06	7.22E-05
	SR-90		3.88E-08	0.00E+00	3.88E-08
	SR-92		1.10E-02	8.12E-04	1.18E-02
	Y-91M		0.00E+00	2.35E-06	2.35E-06
	Y-92		0.00E+00	1.86E-05	1.86E-05
	ZR-95		1.33E-03	4.86E-04	1.81E-03
	NB-95		5.76E-03	1.80E-03	7.56E-03
	TC-99M		3.57E-04	2.69E-06	3.60E-04
	RU-103		2.32E-05	0.00E+00	2.32E-05
	RU-106		2.36E-03	0.00E+00	2.36E-03
	AG-110M		2.27E-02	2.10E-03	2.48E-02
	TE-132		1.48E-04	0.00E+00	1.48E-04
	I-131		3.52E-02	1.71E-03	3.69E-02
	I-132		8.85E-04	0.00E+00	8.85E-04
	I-133		1.61E-02	7.03E-04	1.68E-02
	I-135		5.04E-03	3.19E-05	5.07E-03
	CS-134		5.40E-03	2.12E-03	7.52E-03
	CS-136		5.83E-05	0.00E+00	5.83E-05
	CS-137		7.45E-03	2.96E-03	1.04E-02
	CS-138		6.28E-05	0.00E+00	6.28E-05
	BA-139		0.00E+00	4.37E-04	4.37E-04
	LA-140		1.52E-03	2.81E-05	1.55E-03
	CE-141		3.66E-06	2.62E-06	6.28E-06
	CE-144		1.16E-05	0.00E+00	1.16E-05
	PR-144		2.10E-04	0.00E+00	2.10E-04
	WP-239		6.24E-04	0.00E+00	6.24E-04
	AR-41		1.40E-04	5.23E-05	1.93E-04
	KR-85M		0.00E+00	4.62E-06	4.62E-06
	KR-85		0.00E+00	2.05E-05	2.05E-05
	KR-87		0.00E+00	5.67E-07	5.67E-07
	XE-133M		3.51E-04	0.00E+00	3.51E-04
	XE-133		6.07E-02	5.57E-03	6.63E-02
	XE-135		2.01E-02	3.05E-04	2.04E-02

MCGUIRE LIQUID DOSE- 1984 1ST SEMI-ANNUAL NRC REPORT- UNIT 2- 8/20/84 00000010

SKIN	MAXIMUM DOSE-	3.95D-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	7.82 %				
BONE	MAXIMUM DOSE-	7.52D-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	FE 55	11.97 %				
	CS 134	29.11 %				
	CS 137	57.31 %				
LIVER	MAXIMUM DOSE-	1.01D-01 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	H 3	5.31 %				
	CS 134	41.59 %				
	CS 137	44.40 %				
T. BODY	MAXIMUM DOSE-	7.26D-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	10.44 %				
	CS 134	46.57 %				
	CS 137	38.74 %				
THYROID	MAXIMUM DOSE-	6.19D-02 MREM	CRITICAL AGE-	INFANT	CRITICAL PATHWAY-	DRINKING
	H 3	15.82 %				
	I 131	83.17 %				
KIDNEY	MAXIMUM DOSE-	3.79D-02 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	H 3	14.12 %				
	CO 60	7.51 %				
	CS 134	35.27 %				
	CS 137	40.45 %				
LUNG	MAXIMUM DOSE-	2.24D-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	45.07 %				
	FE 55	12.06 %				
	CS 134	17.90 %				
	CS 137	21.74 %				
GI-LLI	MAXIMUM DOSE-	8.77D-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	8.64 %				
	CO 58	5.29 %				
	CO 60	6.85 %				
	NB 95	70.43 %				

MCQUINN NUCLEAR STATION
 UNIT 2
 RADIOACTIVE EFFLUENT RELEASES
 DATE : 08/20/84

I. LIQUID RELEASES

	UNITS	1ST QTR	2ND QTR	YEAR : 1984 SUBTOTAL
1. GROSS RADIOACTIVITY				
A. TOTAL RELEASE	CURIES	1.11E+00	1.70E-01	1.28E+00
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	2.01E-09	2.13E-10	9.48E-10
C. MAXIMUM CONCENTRATION RELEASED	UCI/ML	2.81E-08	4.84E-09	2.81E-08
2. TRITIUM				
A. TOTAL RELEASE	CURIES	5.68E+01	5.23E+01	1.09E+02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	1.03E-07	6.57E-08	8.09E-08
3. DISSOLVED NOBLE GASES				
A. TOTAL RELEASE	CURIES	8.14E-02	5.95E-03	8.73E-02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	1.47E-10	7.47E-12	6.48E-11
4. GROSS ALPHA ACTIVITY				
A. TOTAL RELEASE	CURIES	0.00E+00	0.00E+00	0.00E+00
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	0.00E+00	0.00E+00	0.00E+00
5. VOLUME OF LIQUID WASTE TO DISCHARGE CANAL	LITERS	2.39E+06	2.20E+06	4.59E+06
6. VOLUME OF DILUTION WATER	LITERS	5.52E+11	7.96E+11	1.35E+12
7. RADIONUCLIDES RELEASED	CURIES			
NA-24		6.78E-04	6.88E-03	7.36E-03
CR-51		3.13E-02	7.16E-03	3.84E-02
NH-54		1.11E-02	2.57E-03	1.36E-02
FE-55		6.88E-01	5.96E-02	7.47E-01
FE-59		9.18E-03	1.83E-03	1.10E-02
CO-58		1.73E-01	6.14E-02	2.35E-01
CO-60		7.04E-02	1.71E-02	8.74E-02
NI-65		0.00E+00	9.99E-06	9.99E-06
ZN-65		1.14E-03	1.17E-04	1.25E-03
RB-88		6.76E-03	0.00E+00	6.76E-03
SR-89		6.87E-05	3.50E-06	7.22E-05
SR-90		3.88E-08	0.00E+00	3.88E-08
SR-92		1.10E-02	8.12E-04	1.18E-02
Y-91M		0.00E+00	2.35E-06	2.35E-06
Y-92		0.00E+00	1.86E-05	1.86E-05
ZR-95		1.33E-03	4.86E-04	1.81E-03
NB-95		5.76E-03	1.80E-03	7.56E-03
TC-99M		3.57E-04	2.69E-06	3.60E-04
RU-103		2.32E-05	0.00E+00	2.32E-05
RU-106		2.36E-03	0.00E+00	2.36E-03
AG-110M		2.27E-02	2.10E-03	2.48E-02
TE-132		1.48E-04	0.00E+00	1.48E-04
I-131		3.52E-02	1.71E-03	3.69E-02
I-132		8.85E-04	0.00E+00	8.85E-04
I-133		1.61E-02	7.03E-04	1.68E-02
I-135		5.04E-03	3.19E-05	5.07E-03
CS-134		5.40E-03	2.12E-03	7.52E-03
CS-136		5.83E-05	0.00E+00	5.83E-05
CS-137		7.45E-03	2.96E-03	1.04E-02
CS-138		6.28E-05	0.00E+00	6.28E-05
BA-139		0.00E+00	4.37E-04	4.37E-04
LA-140		1.52E-03	2.81E-05	1.55E-03
CE-141		3.66E-06	2.62E-06	6.28E-06
CE-144		1.16E-05	0.00E+00	1.16E-05
PR-144		2.10E-04	0.00E+00	2.10E-04
NP-239		6.24E-04	0.00E+00	6.24E-04
AR-41		1.40E-04	5.23E-05	1.93E-04
KR-85M		0.00E+00	4.62E-06	4.62E-06
KR-85		0.00E+00	2.05E-05	2.05E-05
KR-87		0.00E+00	5.67E-07	5.67E-07
XE-133M		3.51E-04	0.00E+00	3.51E-04
XF-133		6.07E-02	5.57E-03	6.63E-02
XE-135		2.01E-02	3.05E-04	2.04E-02

MCGUIRE GAS DOSE- 1ST SEMI-ANNUAL NRC REPORT- UNIT 1- 8/20/84

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DISPERSION FACTOR- 7.20E-05 SEC/CU-M DEPOSITION FACTOR- 2.30E-09 M(-2)

BETA AIR DOSE- 3.32E+00 MILLIRADS GAMMA AIR DOSE- 1.64E+00 MILLIRADS

T.BODY	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.82%
H 3	12.16%							
XE133	49.02%							
XE135	7.47%							
AR 41	28.49%							
GI-TRACT	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.84%
H 3	12.16%							
XE133	49.02%							
XE135	7.47%							
AR 41	28.50%							
BONE	CRITICAL AGE-	INFANT	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.01D+00 MILLIREM	PLUME CONTRIBUTION-	99.96%
XE133	55.79%							
XE135	8.50%							
AR 41	32.43%							
LIVER	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.81%
H 3	12.16%							
XE133	49.01%							
XE135	7.47%							
AR 41	28.49%							
KIDNEY	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.79%
H 3	12.15%							
XE133	49.00%							
XE135	7.47%							
AR 41	28.48%							
THYROID	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.27D+00 MILLIREM	PLUME CONTRIBUTION-	79.82%
H 3	11.05%							
I 131	8.47%							
XE133	44.55%							
XE135	6.79%							
AR 41	25.90%							
LUNG	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.18D+00 MILLIREM	PLUME CONTRIBUTION-	88.16%
H 3	11.84%							
XE133	50.15%							
XE135	7.41%							
AR 41	27.74%							
SKIN	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	2.59D+00 MILLIREM	PLUME CONTRIBUTION-	94.60%
H 3	5.40%							
XE133	61.37%							
XE135	8.77%							
AR 41	20.28%							
THYROID	AGE-	ADULT	CRITICAL PATHWAY-	PLUME	TOTAL DOSE-	1.17D+00 MILLIREM	PLUME CONTRIBUTION-	86.47%
H 3	7.54%							
I 131	5.58%							
XE133	48.26%							
XE135	7.35%							
AR 41	28.06%							
THYROID	AGE-	INFANT	CRITICAL PATHWAY-	PLUME	TOTAL DOSE-	1.25D+00 MILLIREM	PLUME CONTRIBUTION-	80.64%
H 3	7.17%							
I 131	11.55%							
Xe 133	45.01%							
Xe 135	6.86%							
Ar 41	26.16%							

MCQUIRE NUCLEAR STATION
 UNIT 1
 RADIOACTIVE EFFLUENT RELEASES
 DATE : 08/20/84

II. AIRBORNE RELEASES	UNITS	1ST QTR	2ND QTR	YEAR : 1984 SUBTOTAL
1. TOTAL NOBLE GASES	CURIES	8.79E+02	4.06E+02	1.28E+03
2. TOTAL HALOGENS	CURIES	1.20E-03	1.64E-03	2.84E-03
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES	2.84E-06	5.51E-06	8.35E-06
4. TOTAL TRITIUM	CURIES	1.48E+00	5.61E+00	7.09E+00
5. TOTAL PARTICULATE GROSS ALPHA ACTIVITY	CURIES	0.00E+00	0.00E+00	0.00E+00
6. MAXIMUM NOBLE GAS RELEASE RATE	UCI/SEC	1.60E+03	1.60E+03	1.60E+03
7. RADIONUCLIDES RELEASED	CURIES			
PARTICULATES				
CR-51		3.70E-10	0.00E+00	3.70E-10
MN-54		2.77E-06	0.00E+00	2.77E-06
CO-58		5.90E-08	3.19E-06	3.25E-06
CS-134		1.52E-09	1.11E-09	2.63E-09
CS-136		2.81E-10	0.00E+00	2.81E-10
CS-137		7.97E-09	2.33E-06	2.33E-06
CE-144		1.06E-09	0.00E+00	1.06E-09
HALOGENS				
I-131		1.01E-03	8.93E-04	1.90E-03
I-133		1.95E-04	7.43E-04	9.38E-04
GASES				
KR-85M		1.46E+00	3.60E-01	1.82E+00
KR-85		2.64E+00	1.18E+00	3.82E+00
KR-87		1.16E-01	1.06E-02	1.26E-01
KR-88		8.65E-01	2.17E-02	8.86E-01
XE-131M		3.42E+00	5.20E-01	3.94E+00
XE-133M		8.33E+00	7.74E+00	1.61E+01
XE-133		8.24E+02	3.80E+02	1.20E+03
XE-135M		1.26E-03	0.00E+00	1.26E-03
XE-135		2.34E+01	6.30E+00	2.97E+01
XE-137		7.67E-02	0.00E+00	7.67E-02
AR-41		1.40E+01	9.19E+00	2.32E+01

DISPERSION FACTOR- 7.20E-05 SEC/CU-M DEPOSITION FACTOR- 2.30E-09 M(-2)

BETA AIR DOSE- 3.32E+00 MILLIRADS GAMMA AIR DOSE- 1.64E+00 MILLIRADS

T. BODY	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.82%
H 3	12.16%							
XE133	49.02%							
XE135	7.47%							
AR 41	28.49%							
GI-TRACT	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.84%
H 3	12.16%							
XE133	49.02%							
XE135	7.47%							
AR 41	28.50%							
BONE	CRITICAL AGE-	INFANT	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.01D+00 MILLIREM	PLUME CONTRIBUTION-	99.96%
XE133	55.79%							
XE135	8.50%							
AR 41	32.43%							
LIVER	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.81%
H 3	12.16%							
XE133	49.01%							
XE135	7.47%							
AR 41	28.49%							
KIDNEY	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.15D+00 MILLIREM	PLUME CONTRIBUTION-	87.79%
H 3	12.15%							
XE133	49.00%							
XE135	7.47%							
AR 41	28.48%							
THYROID	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.27D+00 MILLIREM	PLUME CONTRIBUTION-	79.82%
H 3	11.05%							
I 131	8.47%							
XE133	44.55%							
XE135	6.79%							
AR 41	25.90%							
LUNG	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	1.18D+00 MILLIREM	PLUME CONTRIBUTION-	88.16%
H 3	11.84%							
XE133	50.15%							
XE135	7.41%							
AR 41	27.74%							
SKIN	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	PLUME	MAXIMUM DOSE-	2.59D+00 MILLIREM	PLUME CONTRIBUTION-	94.60%
H 3	5.40%							
XE133	61.37%							
XE135	8.77%							
AR 41	20.28%							
THYROID	AGE-	ADULT	CRITICAL PATHWAY-	PLUME	TOTAL DOSE-	1.17D+00 MILLIREM	PLUME CONTRIBUTION-	86.47%
H 3	7.54%							
I 131	5.58%							
XE133	48.26%							
XE135	7.35%							
AR 41	28.06%							
THYROID	AGE-	INFANT	CRITICAL PATHWAY-	PLUME	TOTAL DOSE-	1.25D+00 MILLIREM	PLUME CONTRIBUTION-	80.64%
H 3	7.17%							
I 131	11.55%							
Xe 133	45.01%							
Xe 135	6.86%							
Ar 41	26.16%							

MCQUIRE NUCLEAR STATION
 UNIT 2
 RADIOACTIVE EFFLUENT RELEASES
 DATE : 08/20/84

II. AIRBORNE RELEASES	UNITS	1ST QTR	2ND QTR	YEAR : 1984 SUBTOTAL
1. TOTAL NOBLE GASES	CURIES	8.79E+02	4.06E+02	1.28E+03
2. TOTAL HALOGENS	CURIES	1.20E-03	1.64E-03	2.84E-03
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES	2.84E-06	5.51E-06	8.35E-06
4. TOTAL TRITIUM	CURIES	1.48E+00	5.61E+00	7.09E+00
5. TOTAL PARTICULATE GROSS ALPHA ACTIVITY	CURIES	0.00E+00	0.00E+00	0.00E+00
6. MAXIMUM NOBLE GAS RELEASE RATE	UCI/SEC	1.60E+03	1.60E+03	1.60E+03
7. RADIONUCLIDES RELEASED	CURIES			
PARTICULATES				
CR-51		3.70E-10	0.00E+00	3.70E-10
MN-54		2.77E-06	0.00E+00	2.77E-06
CO-58		5.90E-08	3.19E-06	3.25E-06
CS-134		1.52E-09	1.11E-09	2.63E-09
CS-136		2.81E-10	0.00E+00	2.81E-10
CS-137		7.97E-09	2.33E-06	2.33E-06
CE-144		1.06E-09	0.00E+00	1.06E-09
HALOGENS				
I-131		1.01E-03	8.93E-04	1.90E-03
I-133		1.95E-04	7.43E-04	9.38E-04
GASES				
KR-85M		1.46E+00	3.60E-01	1.82E+00
KR-85		2.64E+00	1.18E+00	3.82E+00
KR-87		1.16E-01	1.06E-02	1.26E-01
KR-88		8.65E-01	2.17E-02	8.86E-01
XE-131M		3.42E+00	5.26E-01	3.94E+00
XE-133M		8.33E+00	7.74E+00	1.61E+01
XE-133		8.24E+02	3.80E-02	1.20E+03
XE-135M		1.26E-03	0.00E+00	1.26E-03
XE-135		2.34E+01	6.30E+00	2.97E+01
XE-137		7.67E-02	0.00E+00	7.67E-02
AR-41		1.40E+01	9.19E+00	2.32E+01

MCGUIRE NUCLEAR STATION

SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL

REPORTING PERIOD - 010184 to 063084

<u>TYPE OF WASTES</u>	<u>NUMBER OF SHIPMENTS</u>	<u>VOLUME (CUBIC METERS)</u>	<u>TOTAL ACTIVITY CI</u>
1. WASTE FROM LIQUID SYSTEMS			
A. POWDEX RESINS	0	0.0	0.00E+00
B. SPENT RESINS AND BEAD RESINS	9	34.27	1.16E+03
C. EVAPORATOR CONCENTRATES	0	0.0	0.00E+00
2. DRY SOLID WASTES			
A. SPENT FILTERS	0	0.00	0.00E+00
B. DRY COMPRESSIBLE WASTES	6	204.73	1.12E+01
C. CONTAMINATED EQUIPMENT	0	0.0	0.00E+00
D. IRRADIATED COMPONENTS	0	<u>0.0</u>	<u>0.00E+00</u>
		TOTAL 239	1.17E+03

MCGUIRE NUCLEAR STATION
ESTIMATE OF MAJOR RADIONUCLIDE COMPOSITION

TYPE OF WASTE	RADIONUCLIDE	% ABUNDANCE
1. WASTES FROM LIQUID SYSTEMS		
A. POWDEX RESINS	N/A	N/A
B. SPENT RESINS AND BEAD RESINS	MN-54	7.24
	CO-57	0.15
	CO-58	17.73
	CO-60	30.17
	CS-134	0.40
	CS-137	0.83
	NI-63	42.56
	ΣTRU	0.02
	PU-241	0.78
	CM-242	0.01
	H-3	0.1
	C-14	< 0.01
	SR-90	< 0.01
C. EVAPORATOR CONCENTRATES	N/A	N/A
2. DRY SOLID WASTES		
A. SPENT FILTERS	N/A	N/A
B. DRY COMPRESSIBLE WASTE	ZR-94	0.04
	NI-63	1.03
	SR-90	3.58
	CO-60	45.07
	MN-54	7.02
	CO-58	19.00
	NB-95	2.81
	C-14	21.06
	OTHERS	0.39

MCGUIRE NUCLEAR STATION

TYPE OF WASTE	RADIONUCLIDE	% ABUNDANCE
C. CONTAMINATED EQUIPMENT	N/A	N/A
D. IRRADIATED COMPONENTS	N/A	N/A

ATTACHMENT II

EQUIPMENT OUT OF SERVICE

Containment Ventilation Unit Condensate Drain Tank (VUCDT) Effluent Monitor

The VUCDT Effluent Monitor was taken out of service on July 5, 1984 for maintenance. Largely due to administrative error, the maintenance work order was not expedited as required for a Technical Specification related item. As a result, the monitor was out of service until August 22, 1984, which exceeded the time limit established in Technical Specification 3.3.3.8.

Conventional Waste Water Treatment (CWWT) Sampler

The CWWT Sampler was intermitantly inoperable for 4 days, from May 31, 1984 to June 4, 1984, resulting in an insufficient quantity of composite sample for analysis. During daily functional checks the sampler functioned as designed, but at the end of the sample period the amount of discharge collected was insufficient for analysis. Because the sampler worked properly during checks it was never declared inoperable; as a result, grab samples were not collected every 12 hours as required by Technical Specifications.

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PRP
OFFICIAL COPY

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

August 29, 1984 4 P12:30
34 SEP 4

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission-Region II
Suite 2900
101 Marietta Street, NW
Atlanta, GA 30323

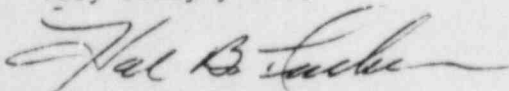
Subject: McGuire Nuclear Station
Docket Nos. 50-369/370 / D
Semi-Annual Radioactive Effluent Release Report

Pursuant to McGuire Technical Specification 6.9.1.7, attached is the Subject Report for the period of January, 1984 to June, 1984.

Attachment 2 contains a summary of effluent monitoring equipment which was out of service in excess of the time allowed by McGuire's Technical Specifications.

As a result of radiation releases from McGuire Nuclear Station, no member of the public received an annual calculated dose exceeding those set forth in 40 CFR Part 190. This determination was made considering that there are no other fuel cycle facilities nearby which would significantly increase the dose to any member of the public.

Very truly yours,



Hal B. Tucker

SAG:glb

Attachments

cc: Mr. H. R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

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