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DUKE POWER

August 26, 1992

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

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

Gentlemen:

Pursuant to Commitment SLC 16.11-16 of the McGuire Nuclear Station Selected Licensee Commitment Manual, attached is the subject report covering the first half of 1992.

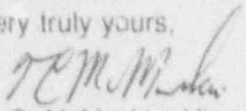
The following attachments are the contents of this report:

Attachment 1	Radioactive Effluent Releases and Supplementary Information
Attachment 2	Solid Waste Disposal Report
Attachment 3	Unplanned Offsite Releases
Attachment 4	Inoperable Monitoring Equipment

As stated in our Semi-Annual Radioactive Effluent Release Report submittal dated February 26, 1992, Revision 7 to the Process Control Manual was transmitted on October 8, 1991 and Revision 31 to the ODCM for MNS was submitted on August 29, 1991. There have been no additional revisions issued in this reporting period.

Questions or comments concerning this report should be directed to Kay Crane at (704) 875-4306.

Very truly yours,


T. C. McMeekin, Vice President
McGuire Nuclear Station

TCM:KLC

Attachments

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Attachment 1

Radioactive Effluent Releases

Unit 1

MCQUIRE NUCLEAR STATION
UNIT 1
RADIOACTIVE EFFLUENT RELEASES
DATE : 08/18/92

1. LIQUID RELEASES				YEAR : 1992
	UNITS	1ST QTR	2ND QTR	SUBTOTAL
1. GROSS RADIOACTIVITY				
A. TOTAL RELEASE	CURIES	2.34E-01	4.98E-02	2.84E-01
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	4.00E-10	5.28E-11	1.85E-10
C. MAXIMUM CF. VENTRATION RELEASED	UCI/ML	4.04E-09	1.08E-09	4.04E-09
2. TRITIUM				
A. TOTAL RELEASE	CURIES	8.27E+01	8.22E+01	1.65E+02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	1.41E-07	1.73E-08	1.08E-07
3. DISSOLVED NOBLE GASES				
A. TOTAL RELEASE	CURIES	4.30E-02	2.15E-03	4.51E-02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	7.35E-11	2.28E-12	2.95E-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	1.95E+06	9.60E+05	2.91E+06
6. VOLUME OF DILUTION WATER	LITERS	5.85E+11	9.45E+11	1.53E+12
7. RADIONUCLIDES RELEASED	CURIES			
NA-24		4.97E-04	2.93E-05	5.26E-04
CR-51		2.41E-02	1.87E-03	2.59E-02
MN-54		6.61E-03	2.28E-03	8.89E-03
FE-55		1.34E-02	5.13E-03	1.85E-02
FE-59		1.34E-03	8.31E-05	1.43E-03
CO-57		3.07E-04	8.30E-05	3.89E-04
CO-58		8.73E-02	1.30E-02	1.00E-01
CO-60		4.58E-02	1.85E-02	6.23E-02
ZN-65		5.85E-05	0.00E+00	5.85E-05
BR-82		1.18E-05	1.59E-06	1.34E-05
SR-92		2.74E-04	2.08E-05	2.95E-04
Y-92		0.00E+00	3.14E-05	3.14E-05
ZR-95		3.10E-03	6.66E-04	3.76E-03
ZR-97		5.29E-06	3.64E-06	9.03E-06
NB-95		6.22E-03	1.46E-03	7.68E-03
NB-97		3.24E-04	6.12E-05	3.86E-04
TC-99M		0.00E+00	1.75E-06	1.75E-06
RU-106		2.02E-04	0.00E+00	2.02E-04
AG-110M		3.52E-03	1.03E-03	4.55E-03
CD-115		0.00E+00	9.89E-06	9.89E-06
I-131		1.38E-03	2.97E-05	1.41E-03
I-132		4.56E-04	0.00E+00	4.56E-04
I-133		8.52E-05	2.58E-05	1.11E-04
I-134		6.55E-06	0.00E+00	6.55E-06
I-135		8.58E-07	0.00E+00	8.58E-07
SB-122		4.17E-04	4.85E-05	4.64E-04
SB-124		4.15E-03	5.15E-04	4.67E-03
SB-125		3.21E-02	4.69E-03	3.68E-02
SN-113		3.13E-04	9.05E-05	4.03E-04
TE-132		5.07E-06	3.54E-06	8.61E-06
CS-134		4.74E-04	5.65E-04	1.06E-03
CS-137		1.29E-03	1.46E-03	2.75E-03
CS-138		2.54E-05	3.00E+00	2.54E-05
LA-140		0.00E+00	1.25E-04	1.25E-04
TE-141		5.94E-06	0.00E+00	5.94E-06
CE-144		1.09E-04	2.05E-06	1.11E-04
AR-41		0.00E+00	1.44E-06	1.44E-06
KE-133		4.20E-02	1.79E-03	4.38E-02
KE-133M		1.53E-04	0.00E+00	1.53E-04
KE-135		8.49E-04	3.59E-04	1.21E-03

SKIN	I	UM DOSE-	2.31E-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
		CO 60	87.66 %				
		SB 125	6.36 %				
BONE		MAXIMUM DOSE-	8.55E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
		CS 134	18.53 %				
		CS 137	72.28 %				
LIVER		MAXIMUM DOSE-	1.04E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
		H 3	47.70 %				
		CS 134	14.11 %				
		CS 137	32.10 %				
T. BODY		MAXIMUM DOSE-	1.41E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
		H 3	46.66 %				
		CS 134	17.30 %				
		CS 137	28.51 %				
THYROID		MAXIMUM DOSE-	1.07E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
		H 3	81.87 %				
		I 131	14.29 %				
KIDNEY		MAXIMUM DOSE-	1.20E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
		H 3	73.06 %				
		CS 134	6.70 %				
		CS 137	16.05 %				
LUNG		MAXIMUM DOSE-	1.03E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
		H 3	85.14 %				
		CS 137	6.76 %				
GI-LLI		MAXIMUM DOSE-	7.02E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
		H 3	9.40 %				
		CO 60	5.17 %				
		NB 95	79.57 %				

SKIN	MAXIMUM DOSE-	5.03E-04 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO	10	89.69 %			
BONE	MAXIMUM DOSE-	5.66E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 134	21.45 %				
	CS 137	75.96 %				
LIVER	MAXIMUM DOSE-	1.17E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	H	3	46.05 %			
	CS 134	16.99 %				
	CS 137	35.10 %				
T. BODY	MAXIMUM DOSE-	8.92E-03 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H	3	45.38 %			
	CS 134	20.99 %				
	CS 137	31.40 %				
THYROID	MAXIMUM DOSE-	5.51E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H	3	97.88 %			
KIDNEY	MAXIMUM DOSE-	7.46E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H	3	72.37 %			
	CS 134	8.28 %				
	CS 137	18.00 %				
LUNG	MAXIMUM DOSE-	6.21E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H	3	86.90 %			
	CS 137	7.81 %				
GI-LLI	MAXIMUM DOSE-	1.48E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H	3	27.42 %			
	CO	60	5.48 %			
	NB	95	62.91 %			

SKIN	MAXIMUM DOSE-	2.40E-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	88.13 %				
	SB 125	5.39 %				
BONE	MAXIMUM DOSE-	1.35E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 134	20.05 %				
	CS 137	74.12 %				
LIVER	MAXIMUM DOSE-	2.86E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	H 3	46.84 %				
	CS 134	15.58 %				
	CS 137	33.59 %				
T. BODY	MAXIMUM DOSE-	2.18E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	45.98 %				
	CS 134	19.17 %				
	CS 137	29.94 %				
THYROID	MAXIMUM DOSE-	1.52E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	87.82 %				
	I 131	9.35 %				
KIDNEY	MAXIMUM DOSE-	1.84E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	72.69 %				
	CS 134	7.50 %				
	CS 137	17.02 %				
LUNG	MAXIMUM DOSE-	1.56E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	85.99 %				
	CS 137	7.28 %				
GI-LLI	MAXIMUM DOSE-	7.52E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	13.35 %				
	CO 60	5.04 %				
	NB 95	76.30 %				

MCGUIRE NUCLEAR STATION
UNIT 1
RADIOACTIVE EFFLUENT RELEASES
DATE 08/18/92

II. AIRBORNE RELEASES		UNITS	1ST QTR	2ND QTR	YEAR 1992 SUBTOTAL
1. TOTAL NOBLE GASES	CURIES		1.82E+02	3.09E+01	2.03E+02
2. TOTAL HALOGENS	CURIES		1.21E-03	3.03E-04	1.51E-03
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES		4.54E-05	2.73E-05	7.27E-05
4. TOTAL TRITIUM	CURIES		1.48E+01	5.21E+00	2.00E+01
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					
F-18			0.00E+00	1.83E-10	1.83E-10
CL-38			1.11E-08	0.00E+00	1.11E-08
CR-51			9.43E-06	0.00E+00	9.43E-06
CO-58			1.38E-05	0.00E+00	1.38E-05
CO-60			2.03E-05	1.76E-05	3.79E-05
BR-82			1.80E-08	4.23E-08	6.03E-08
RB-88			6.03E-08	9.59E-06	9.65E-06
CS-137			1.82E-06	1.61E-10	1.82E-06
CS-138			4.64E-09	9.88E-09	1.45E-08
HALOGENS					
I-131			4.02E-04	2.41E-06	4.05E-04
I-132			7.77E-04	2.83E-04	1.06E-03
I-133			2.76E-05	1.82E-05	4.58E-05
I-135			0.00E+00	2.56E-08	2.56E-08
GASES					
AR-41			1.56E+00	3.67E+00	5.23E+00
KR-85			5.76E+00	1.39E+01	1.96E+01
KR-85M			4.18E-01	3.47E-01	7.65E-01
KR-87			8.11E-02	8.81E-02	1.69E-01
KR-88			4.05E-01	4.05E-01	8.10E-01
XE-131M			2.19E-02	2.19E-02	4.38E-02
XE-133			1.81E+00	2.52E+01	2.70E+01
XE-133M			1.81E+00	5.69E-01	2.38E+00
XE-135			8.13E+00	6.79E+00	1.49E+01
XE-135M			4.25E-02	7.48E-04	4.33E-02
XE-138			4.25E-02	1.50E-04	4.27E-02

MCQUIRE UNIT 1 GAS DOSE 001-091 92 RELEASE WEIGHTED MET REPORT SUMMARY 08/19/92
SPECIAL LOCATION
AT 0.50 HILES N&E

MOBILE GAS EXPOSURE:

BETA AIR DOSE = 5.23E-01 MILLIRADS
GAMMA AIR DOSE = 1.96E-01 MILLIRADS

TOTAL BODY DOSE = 1.17E-01 MILLIREM
XE133 80.14%
XE135 7.20%
AR 41 6.72%

TOTAL SKIN DOSE = 3.23E-01 MILLIREM
XE133 81.65%
XE135 7.16%
AR 41 3.88%

MCQUIRE UNIT 1 GAS DOSE 001-091 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/19/92
SPECIAL LOCATION
AT 1.00 MILES ESE

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - INFANT
CRITICAL PATHWAY - GOATMILK @ 97.99%
MAXIMUM ORGAN DOSE = 1.11E-01 MILLIREM
H 3 9.75Z
I 131 90.01Z

MCGUIRE UNIT 1 GAS DOSE 092-18c 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/18/92
SPECIAL LOCATION
AT 0.50 MILES N

NOBLE GAS EXPOSURE:

BETA AIR DOSE = 8.88E-02 MILLIRADS
GAMMA AIR DOSE = 7.29E-02 MILLIRADS

TOTAL BODY DOSE = 4.78E-02 MILLIREM
KR 85 0.32%
KR 88 10.09%
XE133 10.32%
XE135 19.24%
AR 41 58.24%

TOTAL SKIN DOSE = 3.11E-01 MILLIREM
KR 85 16.80%
KR 88 5.97%
XE133 12.49%
XE135 21.83%
AR 41 40.07%

MCQUIRE UNIT 1 GAS DOSE 092-182 92 RELEASE WEIGHTED NET REPORT SUMMARY 06/18/92
SPECIAL LOCATION
AT 0.50 MILES SSE

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - CHILD
CRITICAL PATHWAY - VEGET @ 75.02%
MAXIMUM ORGAN DOSE = 1.60E-02 MILLIREM
H 3 94.93%

MCQUIRE UNIT 1 GAS DOSE 001-182 92 RELEASE WEIGHTED NET REPORT SUMMARY
SPECIAL LOCATION
AT 0.50 MILES NNE

08/18/92

NOBLE GAS EXPOSURE:

BETA AIR DOSE = 6.05E-01 MILLIRADS
GAMMA AIR DOSE = 2.58E-01 MILLIRADS

TOTAL BODY DOSE = 1.57E-01 MILLIREM
KR 85 0.11%
KR 88 5.28%
XE133 62.74%
XE135 10.70%
AR 41 19.14%

TOTAL SKIN DOSE = 4.20E-01 MILLIREM
KR 85 5.75%
KR 88 2.72%
XE133 66.00%
XE135 10.57%
AR 41 11.44%

MCQUIRE UNIT 1 GAS DOSE 001-182 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/18/92
SPECIAL LOCATION
AT 1.00 MILES ESE

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - INFANT
CRITICAL PATHWAY - GOATMILK @ 97.78%
MAXIMUM ORGAN DOSE = 1.13E-01 MILLIREM
H 3 11.28%
I 131 88.43%

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Attachment 1

Radioactive Effluent Releases

Unit 2

MCQUIRE NUCLEAR STATION
UNIT 2
RADIOACTIVE EFFLUENT RELEASES
DATE : 08/18/92

1. LIQUID RELEASES				YEAR : 1992
	UNITS	1ST QTR	2ND QTR	SUBTOTAL
1. GROSS RADIOACTIVITY				
A. TOTAL RELEASE	CURIES	2.34E-01	4.98E-02	2.84E-01
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	4.00E-10	5.28E-11	1.85E-10
C. MAXIMUM CONCENTRATION RELEASED	UCI/ML	4.04E-09	1.06E-09	4.04E-09
2. TRITIUM				
A. TOTAL RELEASE	CURIES	7.27E-01	8.22E-01	1.55E-01
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	1.41E-07	8.70E-08	1.08E-07
3. DISSOLVED NOBLE GASES				
A. TOTAL RELEASE	CURIES	4.30E-02	2.15E-02	4.51E-02
B. AVERAGE CONCENTRATION RELEASED	UCI/ML	7.35E-11	2.28E-12	2.95E-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	1.95E+06	9.60E+05	2.91E+06
6. VOLUME OF DILUTION WATER	LITERS	5.85E+11	9.45E+11	1.53E+12
7. RADIONUCLIDES RELEASED	CURIES			
HA-24		4.97E-04	2.93E-03	5.28E-04
CR-51		2.41E-02	1.97E-03	2.59E-02
MN-54		6.61E-03	2.28E-03	8.89E-03
FE-55		1.04E-02	5.12E-03	1.55E-02
FE-59		1.24E-03	6.31E-05	1.40E-03
CO-57		1.07E-04	8.20E-05	2.89E-04
CO-58		6.73E-02	1.30E-02	1.00E-01
CO-60		4.58E-02	1.45E-02	6.23E-02
ZN-65		5.85E-05	0.00E+00	5.85E-05
BR-82		1.18E-05	1.59E-06	1.34E-05
SR-92		2.74E-04	2.08E-05	2.95E-04
Y-92		0.00E+00	3.14E-05	3.14E-05
ZR-95		3.10E-03	6.66E-04	3.76E-03
ZR-97		3.39E-06	3.64E-06	9.03E-06
NB-95		6.22E-03	1.40E-03	7.62E-03
NB-97		3.24E-04	6.12E-05	3.86E-04
TC-99M		0.00E+00	1.75E-06	1.75E-06
RU-106		1.02E-04	0.00E+00	2.02E-04
AG-110M		3.52E-03	1.03E-03	4.55E-03
CD-115		0.00E+00	9.69E-06	9.69E-06
I-131		1.38E-03	2.97E-05	1.41E-03
I-132		4.56E-04	0.00E+00	4.56E-04
I-133		6.52E-05	2.58E-05	1.11E-04
I-134		6.55E-06	0.00E+00	6.55E-06
I-135		8.58E-07	0.00E+00	8.58E-07
SB-132		4.17E-04	4.85E-05	4.64E-04
SB-134		4.15E-03	5.15E-04	4.67E-03
SB-135		3.21E-02	4.89E-02	3.59E-02
SN-113		3.12E-04	9.05E-05	4.03E-04
TC-132		5.87E-06	3.54E-06	9.41E-06
CS-134		4.74E-04	5.85E-04	1.06E-03
CS-137		1.29E-03	1.48E-03	2.75E-03
CS-138		2.54E-05	0.00E+00	2.54E-05
LA-140		0.00E+00	1.25E-04	1.25E-04
CE-141		1.94E-04	0.00E+00	1.94E-04
CE-144		1.89E-04	2.03E-06	1.11E-04
AR-41		0.00E+00	1.44E-06	1.44E-06
KE-133		4.20E-02	3.79E-03	4.30E-02
KE-133M		1.52E-04	0.00E+00	1.52E-04
KE-135		8.49E-04	3.59E-04	1.21E-03

SKIN	MAXIMUM DOSE-	2.31E-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	87.66 %				
	SB 125	6.36 %				
BONE	MAXIMUM DOSE-	8.55E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 134	18.53 %				
	CS 137	72.28 %				
LIVER	MAXIMUM DOSE-	1.84E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	67.70 %				
	CS 134	14.11 %				
	CS 137	32.10 %				
T. BODY	MAXIMUM DOSE-	1.41E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	46.66 %				
	CS 134	17.30 %				
	CS 137	28.51 %				
THYROID	MAXIMUM DOSE-	1.07E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	81.87 %				
	I 131	14.29 %				
KIDNEY	MAXIMUM DOSE-	1.20E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	73.06 %				
	CS 134	6.70 %				
	CS 137	16.05 %				
LUNG	MAXIMUM DOSE-	1.03E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	85.14 %				
	CS 137	6.76 %				
GI-LLI	MAXIMUM DOSE-	7.02E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	9.40 %				
	CO 60	5.17 %				
	NB 95	79.57 %				

SKIN	MAXIMUM DOSE-	5.03E-04 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	89.69 %				
BONE	MAXIMUM DOSE-	5.66E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 134	21.45 %				
	CS 137	75.96 %				
LIVER	MAXIMUM DOSE-	1.17E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	H 3	44.05 %				
	CS 134	16.99 %				
	CS 137	35.10 %				
T. BODY	MAXIMUM DOSE-	8.92E-03 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	45.38 %				
	CS 134	20.99 %				
	CS 137	31.40 %				
THYROID	MAXIMUM DOSE-	5.51E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	97.88 %				
KIDNEY	MAXIMUM DOSE-	7.46E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	72.37 %				
	CS 134	8.28 %				
	CS 137	18.00 %				
LUNG	MAXIMUM DOSE-	6.21E-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	86.90 %				
	CS 137	7.81 %				
GI-LLI	MAXIMUM DOSE-	1.48E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	27.42 %				
	CO 60	5.48 %				
	NB 95	62.91 %				

SKIN	MAXIMUM DOSE-	2.40E-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	88.13 %				
	SB 125	5.39 %				
BONE	MAXIMUM DOSE-	1.35E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 134	20.05 %				
	CS 137	74.12 %				
LIVER	MAXIMUM DOSE-	2.86E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	H 3	46.84 %				
	CS 134	15.58 %				
	CS 137	33.59 %				
T. BODY	MAXIMUM DOSE-	2.18E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	45.98 %				
	CS 134	19.17 %				
	CS 137	29.94 %				
THYROID	MAXIMUM DOSE-	1.52E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	87.82 %				
	I 131	9.35 %				
KIDNEY	MAXIMUM DOSE-	1.84E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	72.69 %				
	CS 134	7.50 %				
	CS 137	17.02 %				
LUNG	MAXIMUM DOSE-	1.56E-02 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	85.99 %				
	CS 137	7.28 %				
GI-LLI	MAXIMUM DOSE-	7.53E-02 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	13.35 %				
	CO 60	5.04 %				
	NB 95	76.30 %				

WCGUIRE NUCLEAR STATION
UNIT 2
RADIOACTIVE EFFLUENT RELEASES
DATE : 08/18/92

				YEAR	1992
AIRBORNE RELEASES				SUBTOTAL	
	UNITS	1ST QTR	2ND QTR		
1. TOTAL NOBLE GASES	CURIES	1.82E+02	5.09E+01	2.32E+02	
2. TOTAL HALOGENS	CURIES	1.21E-03	3.03E-04	1.51E-03	
3. TOTAL PARTICULATE GROSS BETA-GAMMA	CURIES	4.54E-05	2.73E-05	7.27E-05	
4. TOTAL TRITIUM	LCURIES	1.48E+01	5.21E+00	2.00E+01	
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					
F-18		0.00E+00	1.83E-10	1.83E-10	
CL-38		1.11E-08	0.00E+00	1.11E-08	
CR-51		9.43E-06	0.00E+00	9.43E-06	
CO-58		1.38E-05	0.00E+00	1.38E-05	
CO-60		2.03E-05	1.76E-05	3.79E-05	
BR-82		1.80E-08	4.23E-08	6.03E-08	
RB-88		6.03E-08	9.59E-06	9.65E-06	
CS-137		1.82E-06	1.61E-10	1.82E-06	
CS-138		4.47E-09	9.88E-09	1.45E-08	
HALOGENS					
I-131		4.02E-04	2.41E-06	4.05E-04	
I-132		7.77E-04	2.83E-04	1.06E-03	
I-133		2.76E-05	1.82E-05	4.58E-05	
I-135		0.00E+00	2.56E-08	2.56E-08	
GASES					
KR-41		1.56E+00	3.67E+00	5.23E+00	
KR-85		5.76E+00	1.39E+01	1.96E+01	
KR-85M		4.18E-01	3.47E-01	7.65E-01	
KR-87		9.84E-02	8.81E-02	1.86E-01	
KR-88		4.93E-01	4.05E-01	8.98E-01	
XE-131M		2.32E+00	2.19E-02	2.34E+00	
XE-133		1.62E+02	2.52E+01	1.87E+02	
XF-133M		1.81E+00	5.69E-01	2.38E+00	
XE-135		8.15E+00	6.79E+00	1.49E+01	
XE-135M		4.25E-02	7.48E-04	4.32E-02	
XE-138		4.25E-02	1.50E-04	4.27E-02	

MCQUIRE UNIT 2 GAS DOSE 001-091 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/19/92
SPECIAL LOCATION
AT 0.50 MILES NNE

NOBLE GAS EXPOSURE:

BETA AIR DOSE = 5.23E-01 MILLIRADS
GAMMA AIR DOSE = 1.96E-01 MILLIRADS

TOTAL BODY DOSE = 1.17E-01 MILLIREM
XE133 80.14%
XE135 7.50%
AR 41 6.72%

TOTAL SKIN DOSE = 3.23E-01 MILLIREM
XE133 81.65%
XE135 7.16%
AR 41 3.88%

MCGUIRE UNIT 2 GAS DOSE 001-091 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/19/92
SPECIAL LOCATION
AT 1.00 MILES ESE

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - INFANT
CRITICAL PATHWAY - GOATMILK @ 97.9%
MAXIMUM ORGAN DOSE = 1.11E-01 MILLIREM
H 3 9.75%
I 131 90.01%

MCQUIRE UNIT 2 GAS DOSE 092-182 92 RELEASE WEIGHTED NET REPORT SUMMARY 08/18/92
 SPECIAL LOCATION
 AT 0.50 MILES N

MOBILE GAS EXPOSURE

BETA AIR DOSE = 8.88E-02 MILLIRADS
 GAMMA AIR DOSE = 7.29E-02 MILLIRADS

TOTAL BODY DOSE = 4.76E-02 MILLIREM
 KR 85 0.32%
 KR 88 10.09%
 XE133 10.32%
 XE135 10.26%
 AR 41 58.24%

TOTAL SKIN DOSE = 1.11E-01 MILLIREM
 KR 85 16.80%
 KR 88 5.97%
 XE133 12.49%
 XE135 21.83%
 AR 41 40.07%

MCGUIRE UNIT 2 GAS DOSE 092-182 92 RELEASE WEIGHTED NET REPORT SUMMARY
SPECIAL LOCATION
AT 0.50 MILES SSE

08/18/92

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - CHILD
CRITICAL PATHWAY - VEGET @ 75.02%

MAXIMUM ORGAN DOSE = 1.60E-02 MILLIREM
H 3 94.93%

MCQUIRE UNIT 2 GAS DOSE 001-182 92 RELEASE WEIGHTED NET REPORT SUMMARY
SPECIAL LOCATION
AT 0.50 MILES NNE

08/18/92

NOBLE GAS EXPOSURE:

BETA AIR DOSE = 6.03E-01 MILLIRADS
GAMMA AIR DOSE = 2.58E-01 MILLIRADS

TOTAL BODY DOSE = 1.57E-01 MILLIREM

KR 55	0.12%
KR 88	5.28%
XE133	62.74%
XE135	10.70%
AR 41	19.14%

TOTAL SKIN DOSE = 4.20E-01 MILLIREM

KR 85	5.75%
KR 88	2.72%
XE133	66.00%
XE135	10.57%
AR 41	11.49%

MCQUIRE UNIT 2 GAS D0SE 001-182 92 RELEASE WEIGHTED NET REPORT SUMMARY 06/18/92
SPECIAL LOCATION
AT 1.00 MI. S ESE

IODINE, PARTICULATE, AND TRITIUM EXPOSURE SUMMARY:

MAXIMUM ORGAN - THYROID
CRITICAL AGE - INFANT
CRITICAL PATHWAY - GOATMILK @ 97.78%
MAXIMUM ORGAN DOSE = 1.13E-01 MILLIREM
H 3 11.28%
I 131 88.43%

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Attachment 1

Supplemental Information

MCGUIRE NUCLEAR STATION
EFFLUENT AND WASTE DISPOSAL SUPPLEMENTAL INFORMATION

REPORT DATE: 08/16/92

PERIOD COVERED: START DAY = 001 STOP DAY = 182

I. REGULATORY LIMITS

A. NOBLE GASES - AIR DOSE

1. CALENDAR QUARTER - GAMMA DOSE = 5 MRAD
2. CALENDAR QUARTER - BETA DOSE = 10 MRAD
3. CALENDAR YEAR - GAMMA DOSE = 10 MRAD
4. CALENDAR YEAR - BETA DOSE = 20 MRAD

B. LIQUID EFFLUENTS - DOSE

1. CALENDAR QUARTER - TOTAL BODY DOSE = 1.5 MREM
2. CALENDAR QUARTER - ORGAN DOSE = 5 MREM
3. CALENDAR YEAR - TOTAL BODY DOSE = 3 MREM
4. CALENDAR YEAR - ORGAN DOSE = 10 MREM

C. IODINE - 131 AND 130, TRITIUM, PARTICULATE W/IT 1/2 > 8 DAYS ORGAN DOSE

1. CALENDAR QUARTER = 7.5 MREM
2. CALENDAR YEAR = 15 MREM

II. MAXIMUM PERMISSIBLE CONCENTRATIONS

A. GASEOUS EFFLUENTS - INFORMATION FOUND IN OFFSITE DOSE CALCULATION MANUAL

B. LIQUID EFFLUENTS - INFORMATION FOUND IN 10CFR20, APPENDIX B, TABLE 11, COLUMN 2

III. AVERAGE ENERGY - NOT APPLICABLE

IV. MEASUREMENTS AND APPROXIMATIONS OF TOTAL RADIOACTIVITY

INFORMATION FOUND IN OFFSITE DOSE CALCULATION MANUAL

V. BATCH RELEASES

A. LIQUID EFFLUENT

1. $2.34E+02$ = TOTAL NUMBER OF BATCH RELEASES
2. $7.25E+04$ = TOTAL TIME(MIN.) FOR BATCH RELEASES
3. $9.46E+03$ = MAXIMUM TIME(MIN.) FOR A BATCH RELEASE
4. $3.10E+02$ = AVERAGE TIME(MIN.) FOR A BATCH RELEASE
5. $3.60E-01$ = MINIMUM TIME(MIN.) FOR A BATCH RELEASE
6. $1.30E+06$ = AVERAGE DILUTION WATER FLOW DURING RELEASES(GPM)

B. GASEOUS EFFLUENT

1. $1.51E+02$ = TOTAL NUMBER OF BATCH RELEASES
2. $8.85E+05$ = TOTAL TIME(MIN.) FOR BATCH RELEASES
3. $4.46E+04$ = MAXIMUM TIME(MIN.) FOR A BATCH RELEASE
4. $5.86E+03$ = AVERAGE TIME(MIN.) FOR A BATCH RELEASE
5. $1.15E+02$ = MINIMUM TIME(MIN.) FOR A BATCH RELEASE

VI. ABNORMAL RELEASES

A. LIQUID

1. NUMBER OF RELEASES _____
2. TOTAL ACTIVITY RELEASED(CURIES) _____

B. GASEOUS

1. NUMBER OF RELEASES _____
2. TOTAL ACTIVITY RELEASED(CURIES) _____

SUPPLEMENTAL REPORT PAGE 2

MCGUIRE NUCLEAR STATION

Values represented by "0.00E+00" within the body of the semi-annual report are below the minimum detectable limits of the McGuire counting systems. Typical MDA's for the McGuire counting systems are listed below:

<u>ISOTOPE</u>	<u>ENERGY (Kev)</u>	<u>AVERAGE MDA</u>
<u>Liquid</u>		
Xe-133	80	6.0E-08
Ce-144	133	1.2E-07
Kr-88	196	1.7E-07
Xe-135	249	2.3E-08
Kr-87	402	2.5E-07
Cs-137	661	2.6E-07
Mo-99	778	4.3E-07
Mn-54	834	2.2E-08
Zn-65	1115	4.0E-08
Co-60	1332	4.4E-08
<u>Gas</u>		
Xe-133	80	2.5E-08
Kr-85m	151	1.0E-08
Xe-131m	163	3.3E-07
Kr-88	196	4.7E-08
Xe-133m	233	7.9E-08
Xe-135	249	9.5E-09
Xe-138	258	6.3E-06
Kr-87	402	4.7E-08
Kr-85	514	2.5E-06
Xe-135m	526	1.9E-06
Ar-41	1293	3.6E-08

MCQUIRE NUCLEAR STATION
 RADIOACTIVE EFFLUENT RELEASES
 07/27/92
 PERIOD COVERED: START DAY = 001
 STOP DAY = 182

YEAR 1992

TYPE COVERED: MNSCCW

1 LIQUID RELEASES

	UNITS	PERIOD COVERED	YEAR TO STOP
1. GROSS RADIOACTIVITY			
A. TOTAL RELEASE	CURIES	4.38E-03	4.38E-03
2. TRITIUM			
A. TOTAL RELEASE	CURIES	2.21E+00	2.21E+00
3. DISSOLVED NOBLE GASES			
A. TOTAL RELEASE	CURIES	0.00E+00	0.00E+00
4. ALPHA ACTIVITY			
A. TOTAL RELEASE	CURIES	0.00E+00	0.00E+00

5 RADIONUCLIDES

CO-58	8.49E-04	8.49E-04
CO-60	7.97E-04	7.97E-04
CS-134	1.78E-07	1.78E-07
CS-137	2.71E-03	2.71E-03

TOTAL VOLUME DISCHARGED (GALS.)	7.52E+07	7.52E+07
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MCQUIRE CCM DOSE- 1ST SEMIANNUAL 1992 RELEASES - 001/182

SKIN	MAXIMUM DOSE-	2.98D-05 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	SHORE
	CO 60	37.94 %				
	CS 137	61.35 %				
BONE	MAXIMUM DOSE-	4.14D-03 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	FISH
	CS 137	99.95 %				
LIVER	MAXIMUM DOSE-	4.34D-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	CS 137	98.64 %				
T. BODY	MAXIMUM DOSE-	2.76D-03 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	CS 137	97.76 %				
THYROID	MAXIMUM DOSE-	8.07D-05 MREM	CRITICAL AGE-	CHILD	CRITICAL PATHWAY-	DRINKING
	H 3	93.41 %				
KIDNEY	MAXIMUM DOSE-	1.52D-03 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	CS 137	96.72 %				
	MAXIMUM DOSE-	6.31D-04 MREM	CRITICAL AGE-	TEEN	CRITICAL PATHWAY-	FISH
	H 3	6.34 %				
	CS 137	92.10 %				
GI-LLI	MAXIMUM DOSE-	1.67D-04 MREM	CRITICAL AGE-	ADULT	CRITICAL PATHWAY-	FISH
	H 3	33.95 %				
	CO 60	12.17 %				
	CS 137	49.42 %				

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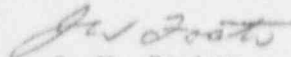
Attachment 2
Solid Waste Disposal Report

August 18, 1992

MEMORANDUM TO: Robert Sharpe

Subject: McGuire Nuclear Station
Semiannual Solid Waste
Disposal Report - 1992, No. 1

Please find attached the Semiannual Solid Waste Disposal Report for the period of January 1, 1992 through June 30, 1992. The format of the report includes information as required by McGuire Nuclear Station Selected Licensee Commitment Manual Section 16.11.



J. W. Foster
Radiation Protection Manager
McGuire Nuclear Station

JCC/ah

attachments

cc: W.F. Byrum
D.C. Britton
J.C. Correll
R.P. Michael
C.D. Martinec
L.E. Loucks
C.O. Ingram

McGUIRE NUCLEAR STATION
SOLID RADIOACTIVE WASTE SHIPPED TO A DISPOSAL FACILITY
REPORT PERIOD 01/01/92 THROUGH 06/30/92

TYPES OF WASTE SHIPPED	Number of Shipments	Number of Containers	Waste Class	Cont. Type	Burial Volume		Total Ci
					(ft ³)	(m ³)	
WASTE FROM LIQUID SYSTEMS							
(A) Dewatered 2% Powdex Resins (brokered)	0	0	A/U	STC	276.2	7.82	7.5E-3
(B) Dewatered Bead Resins	2	2	(1) A/S (1) B/S	HIC	399.9	11.32	1.0159E2
(C) Dewatered 2% Powdex Resins	2	5	A/U	STC	1,037	29.37	3.8752E-2
(D) Dewatered Mechanical Filter (media)	5	39	(6) A/S (1) C (32) A/U	HIC STC	311.4	8.82	2.5512E1
(E) Dewatered 2% Bead Resins (brokered)	0	0	A/U	STC	410.1	11.61	1.94E-2
(F) Solidified (Cement) Oils, Mercuric waste, Acids, Sludges	1	3	A/U	STC	26.6	.75	1.228E-4
(G) Dewatered 2% Bead Resins	1	1	A/U	STC	207.4	5.87	2.86E-3
DRY SOLID WASTE							
(A) Dry Active Waste (compacted)	0	0	N/A	N/A	0	0	0
Dry Active Waste (non-compacted)	1	2	C	HIC	20.4	.58	5.978
Dry Active Waste (brokered)	10*	26*	A/U	STC	1,110.3	31.65	13.75
Dry Active Waste (brokered and non-compacted)	3*	39*	A/U	STC	758.37	21.48	1.199
(B) Sealed Sources and Smoke Detectors	1	1	A/S	HIC	10.2	.29	8.278E-4
(C) Sealed Sources	1	1	C	HIC	10.2	.29	3.831E-4
(D) Irradiated Components	0	0	N/A	N/A	0	0	0
TOTALS							

* McGuire shipments for processing

SUMMARY OF MAJOR RADIONUCLIDE COMPOSITION

Type of Wastes

	<u>Radionuclide</u>	<u>% Abundance*</u>
1. <u>Wastes from Liquid Systems</u>		
(A) Dewatered Secondary Powdex Resins (Brokered)	Mn54	.41
	Co-58	.865
	Co-60	2.95
	Sb-125	.22
	Cs-134	32.58
	Cs-137	34.94
	Ce-144	8.82E-2
	Ru106	6.88E-2
	Fe55	26.07
	Ni63	1.49
	Sr90	.34
(B) Dewatered Bead Resins (Primary)	Co-60	15.76
	Co-58	1.35
	Co-57	.01
	Mn-54	1.07
	Cs-134	3.63
	Cs-137	6.71
	H-3	4.65E-2
	Sb-125	.34
	C-14	3.67E-2
	Fe-55	21.92
	Ni-63	49.19
	Sr-90	8.18E-4
	Cm-242	2.45E-4
	ETR	1.88E-4
	Te-125m	1.21E-2
	Ag110m	2.45E-2
	Sn-133	2.5E-3
	Ru103	1.28E-5
	Cr-51	5.87E-5
	Fe-59	1.36E-4
	Nb95	3.19E-2
	Zr95	3.18E-3
(C) Dewatered Secondary Powdex Resins	Co-60	9.05
	Cs-134	1.54
	Cs-137	3.39
	C-14	.15
	Fe55	70.9
	Ni63	12.48
	Co-51	8.56E-2
	Mn54	6.06E-1
	Co-58	1.03
	Sb-125	3.47E1
	Nb-95	2.88E-2
	Zr95	4.41E-2
	Fe-59	3.37E-2
	AG110m	2.52E-1
	Zn-65	1.64E-2

SUMMARY OF MAJOR RADIONUCLIDE COMPOSITION

Type of Wastes

Type of Wastes	Radionuclide	% Abundance*
(D) Dewatered Mechanical Filter (media)	Mn-54	1.93
	Co-58	2.99
	Co-60	12.31
	Nb-95	1.84
	Zr-95	8.48E-1
	Cs-137	9.13E-2
	Ce-144	4.24E-1
	Pu-241	1.70E-1
	Fe-55	75.61
	Ni-63	3.27
	C-14	2.05E-2
	Sb-125	8.94E-2
	Sr-90	1.93E-3
	Cm-242	1.04E-2
	Pu-241	3.81E-3
	TRU	4.41E-3
	H-3	5.68E-3
	Te-125m	3.03E-3
	Am-241	1.30E-5
(E) Dewatered Secondary Bead Resin (brokered)	Co-60	9.44
	Sb-125	1.91
	Cs-134	8.97
	Cs-137	16.42
	Ce-144	.151
	C-14	3.02
	Fe-55	75.61
	Ni-63	3.27
	C-14	2.05E-2
	Sb-125	8.94E-2
	Sr-90	1.93E-3
	Cm-242	1.04E-2
	Pu-241	3.81E-3
	TRU	4.41E-3
	H-3	5.68E-3
	Te-125m	3.03E-3
	Am-241	1.30E-5
(F) Solidified Mercuric Waste	Ni-63	.1
	Sr-90	.1
	Fe-55	.2
	Co-60	.1
	Co-58	.1
	Cs-137	.1
	H	99.3
(G) Dewatered Secondary Bead	Co-60	.5
	Cs-134	25.5
	Cs-137	62.7
	Fe-55	7
	Ni-63	2
	Sr-90	2.4

SUMMARY OF MAJOR RADIONUCLIDE COMPOSITION

Type o Wastes

2. Dry Solid Waste

(A) Dry Active Waste

Sr-90	.18
Mn-54	.72
Co-58	2.42
Co-60	18.36
Cs-137	.22
Fe-55	59.66
Ni-63	17.51
Pu-241	.57
Sb-125	.25
Ce-144	.10
TRU	.01

(B) Sealed Sources & Smoke Detectors

Am-241	91.4
Ce-144	1.5
Cd-109	2.8
Co-57	.5
Sa-113	.8
Cs-137	.7
Y-88	1.1
Co-60	.3
Zn-65	1.0

(C) Sealed Sources

Am-241	.6
Cd-109	35.9
Co-57	.8
Ce-139	3.9
Sn-113	4.8
Cs-137	18.1
Y-88	7.7
Co-60	6.1
Zn-65	6.4
Ce-144	9.0
Ra-226	6.5

(D) Irradiated Components

(None Buried This Period)

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Attachment 3

Unplanned Offsite Releases

April 2, 1992

MEMORANDUM TO FILE

Subject: McGuire Nuclear Station
WWCB Leak
02/22/92 - 03/05/92

On February 22, 1992, liquid release via the WWCB discharge pathway was secured.

Due to back pressure in the line WC-10 was not fully closed resulting in a 30 gallon/day leak to the WWCB.

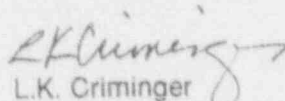
A review of procedures which evaluate discharge of known sources to the Turbine Building sump (HP/0/B/1003/19) was performed for the period 02/20/92 - 03/05/92.

Samples with the highest activity were used in generating release paperwork. (ERL #010)

A total of $3.03\text{E}-5$ ci were released.

No Selected License Commitment limits were exceeded.

This memo will be placed in the semi-annual effluent report for 01/01/92 - 06/30/92.


L.K. Criminger
Shift Relief Supervisor
Radiation Protection
McGuire Nuclear Station

LKC/ah

cc: J.W. Foster
W.F. Byrum
J.S. Mooneyhan
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Attachment 4

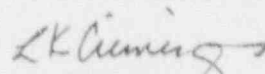
Inoperable Monitoring Equipment

August 4, 1992

MEMORANDUM TO FILE

Subject: McGuire Nuclear Station
Inoperable Instruments Exceeding
Selected Licensee Commitments (SLC) Limits

During the time frame from January 1, 1992, to June 30, 1992, there were no SLC related effluent monitoring instruments out of service greater than the SLC limits for inoperability.



L.K. Criminger
R.P. Shift Relief Supervisor
McGuire Nuclear Station

LKC/ah

cc: J.W. Foster
J.S. Mooneyhan
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