

SOLID WASTE REPORT

(R.G. 1.21)

ARKANSAS NUCLEAR ONE
DOCKET NUMBER 50-313

EFFLUENT AND WASTE DISPOSAL REPORT

REPORT PERIOD: 1/1/84 - 6/30/84
REPORT GENERATION DATE: 7/5/84

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal (Not Irradiated Fuel)

1.	Type of Waste	Unit	6 Month Per	Error, %
A.	Spent resins, filter cartridges	M**3 CI	64.54 826.258	8.97E-01
B.	Dry compressible waste, contaminated equip., etc.	M**3 CI	485.5 38.481	8.97E-01

2. Estimate of Major Nuclide Composition (By Type of Waste)

A.

BA-140	%	2.32E-02
C-14	%	1.29E-02
CD-109	%	1.27E+00
CE-144	%	1.57E-01
CM-242	%	1.87E-03
CO-57	%	1.37E-01
CO-58	%	2.90E+01
CO-60	%	1.41E+01
CR-51	%	9.99E-02
CS-134	%	8.52E+00
CS-136	%	5.20E-02
CS-137	%	3.01E+01
FE-55	%	4.17E+00
FE-59	%	8.14E-03
H-3	%	2.63E-01
I-129	%	7.48E-03
I-131	%	3.48E-01
MN-54	%	4.49E+00
NB-95	%	5.41E-03
NB-97	%	5.84E-26
NI-59	%	3.76E-02
NI-63	%	5.38E+00
PU-241	%	1.10E-01
RU-106	%	2.92E-02

1E25
1/1

SB-122	%	7.32E-01
SB-124	%	7.14E-02
SB-125	%	5.57E-01
SE-75	%	1.39E-02
SN-113	%	1.53E-02
SN-125	%	1.65E-01
SR-90	%	1.86E-02
TC-99	%	6.45E-02
TRU,AL	%	7.25E-04
ZN-65	%	2.82E-02
ZR-95	%	4.41E-03

B.

C-14	%	2.15E+00
CE-144	%	1.13E-01
CM-242	%	1.08E-03
CO-58	%	3.49E+00
CO-60	%	2.06E+01
CS-134	%	1.30E+01
CS-137	%	4.04E+01
FE-55	%	7.83E+00
I-129	%	5.29E-02
MN-54	%	3.28E+00
NI-59	%	2.94E-01
NI-63	%	6.90E+00
PU-241	%	6.52E-02
SR-90	%	1.70E+00
TC-99	%	9.79E-02
TRU,AL	%	8.24E-04

3. Solid Waste Disposition

Shipments	Mode of Transportation	Destination
15	Unshielded Van/Truck	Hanford
14	Cask Truck	Hanford

B. Irradiated Fuel Shipments (Disposition)

Shipments	Mode of Transportation	Destination
None		

* ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT ONE *
 * REPORT ON RADIOACTIVE GASEOUS EFFLUENTS *
 * APPENDIX "A" DOCKET 50-313 YEAR: 1984 *

 REPORTING PARAMETERS / UNITS / JAN / FEB / MAR / YEARLY TOT /

1. GASES	CURIES	14.	1.18E 02	5.05E 02	6.37E 02
2. HALOGENS	CURIES	1.48E-06	3.30E-05	1.04E-04	1.39E-04
3. DELETED					
4. H-3	CURIES	0.48	0.28	0.99	1.7
5. ALPHA	CURIES	3.09E-07	3.09E-07	3.09E-07	9.27E-07
6. MAXIMUM GAS RELEASE RATE	UCI/SEC	23.	98.	5.62E 04	NA
7. % OF APPLICABLE LIMIT FOR:					
A. GASES					
1. GAMMA	%			0.84	NA
2. BETA	%			1.0	NA
B. DELETED					
C. PART. + I-131	%			5.05E-02	NA
8. ISOTOPIC CONC.	CURIES				

PARTICULATES:

SR-89	4.92E-05	4.92E-05	4.92E-05	1.48E-04
SR-90	0.00	0.00	0.00	0.00
CS-134	0.00	4.52E-07	0.00	4.52E-07
CS-137	1.15E-05	1.58E-07	2.84E-06	1.45E-05
BA-140	0.00	0.00	0.00	0.00
LA-140	0.00	0.00	0.00	0.00

HALOGENS:

I-131	1.48E-06	1.97E-05	9.83E-05	1.19E-04
I-133	0.00	1.33E-05	6.06E-06	1.93E-05
I-135	0.00	0.00	0.00	0.00

GASES:

AR-41	0.00	0.00	0.00	0.00
KR-85M	0.00	0.00	3.02E-03	3.02E-03
KR-85	0.00	0.00	10.	10.
KR-87	0.00	4.7	0.00	4.7
KR-88	0.00	0.00	0.00	0.00
XE-133M	0.00	0.00	0.84	0.84
XE-133	14.	90.	4.58E 02	5.62E 02
XE-135	0.00	23.	31.	54.
XE-138	0.00	0.00	0.00	0.00

OTHERS:

XE-131M	0.00	0.00	4.3	4.3
XE-135M	0.00	0.00	0.00	0.00
BE-7	0.00	0.00	0.00	0.00
NA-24	0.00	0.00	0.00	0.00
K-40	0.00	0.00	0.00	0.00
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00
MN-56	0.00	0.00	0.00	0.00
FE-59	0.00	0.00	0.00	0.00

PREPARED BY
 Checked by *Rhianne Clark*
 ORIGINAL

K-40	0.00	0.00	0.00	0.00
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00
MN-56	0.00	0.00	0.00	0.00
FE-59	0.00	0.00	0.00	0.00
CO-57	0.00	0.00	0.00	0.00
CO-58	2.20E-05	6.46E-05	0.00	8.65E-05
CO-60	9.74E-06	1.81E-05	0.00	2.79E-05
NI-65	0.00	0.00	0.00	0.00
CU-64	0.00	0.00	0.00	0.00
ZN-65	0.00	0.00	0.00	0.00
SE-75	0.00	0.00	0.00	0.00
BR-84	0.00	0.00	0.00	0.00
RB-88	0.00	0.00	0.00	0.00
RB-89	0.00	0.00	0.00	0.00
SR-85	0.00	0.00	0.00	0.00
SR-91	0.00	0.00	0.00	0.00
SR-92	0.00	0.00	0.00	0.00
Y-88	0.00	0.00	0.00	0.00
Y-91M	0.00	0.00	0.00	0.00
Y-92	0.00	0.00	0.00	0.00
ZR-95	0.00	1.11E-05	0.00	1.11E-05
ZR-97	0.00	0.00	0.00	0.00
NE-94	0.00	0.00	0.00	0.00
NB-95	0.00	9.31E-06	0.00	9.31E-06
NE-97	0.00	0.00	0.00	0.00
MO-99	0.00	0.00	0.00	0.00
TC-99M	0.00	0.00	0.00	0.00
RU-103	0.00	0.00	0.00	0.00
RU-106	0.00	0.00	0.00	0.00
AG-110M	0.00	1.36E-05	0.00	1.36E-05
CD-109	0.00	0.00	0.00	0.00
CD-113M	0.00	0.00	0.00	0.00
SN-113	0.00	0.00	0.00	0.00
SB-122	0.00	0.00	0.00	0.00
SB-124	0.00	0.00	0.00	0.00
SB-125	0.00	2.22E-05	0.00	2.22E-05
TE-132	0.00	0.00	0.00	0.00
I-132	0.00	0.00	0.00	0.00
I-134	0.00	0.00	0.00	0.00
CS-136	0.00	0.00	0.00	0.00
CS-138	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00
BA-139	0.00	0.00	0.00	0.00
CE-139	0.00	0.00	0.00	0.00
CE-144	0.00	0.00	0.00	0.00
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
HG-203	0.00	0.00	0.00	0.00
PB-214	0.00	0.00	0.00	0.00
BI-214	0.00	0.00	0.00	0.00
RA-226	0.00	0.00	0.00	0.00
TH-228	8.28E-07	0.00	0.00	8.28E-07
U-235	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00

REMARKS:

0.00 = <MIA

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE, UNIT ONE
 REPORT ON RADIOACTIVE GASEOUS EFFLUENTS
 APPENDIX "A" DOCKET 50-313 YEAR: 1984

 REPORTING PARAMETERS / UNITS / APR / MAY / JUN / YEARLY TOT/
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1. GASES	CURIES	3.33E 02	2.56E 02	3.04E 02	1.53E 03
2. HALOGENS	CURIES	1.37E-04	1.00E-04	1.57E-05	3.91E-04
3. DELETED					
4. H-3	CURIES	1.1	0.37	0.77	3.9
5. ALPHA	CURIES	0.00	0.00	0.00	9.27E-07
6. MAXIMUM GAS RELEASE RATE	UCI/SEC	2.83E 02	2.12E 02	2.61E 02	NA
7. % OF APPLICABLE LIMIT FOR:					
A. GASES					
1. GAMMA	%			1.0	NA
2. BETA	%			1.3	NA
B. DELETED					
C. PART. + I-131	%			5.33E-02	NA
8. ISOTOPIC CONC.	CURIES				
PARTICULATES:					
SR-89		1.72E-06	1.72E-06	1.72E-06	5.15E-06
SR-90		0.00	0.00	0.00	0.00
CS-134		0.00	9.18E-07	0.00	1.37E-06
CS-137		8.21E-07	2.71E-06	0.00	1.80E-05
BA-140		0.00	0.00	0.00	0.00
LA-140		0.00	0.00	0.00	0.00
HALOGENS:					
I-131		1.35E-04	1.00E-04	1.57E-05	3.71E-04
I-133		1.30E-06	0.00	0.00	2.06E-05
I-135		0.00	0.00	0.00	0.00
GASES:					
AR-41		0.00	0.00	0.00	0.00
KR-85M		0.00	0.00	0.00	3.02E-03
KR-85		0.00	0.00	0.00	10.
KR-87		0.00	0.00	0.00	4.7
KR-88		0.00	0.00	0.00	0.00
XE-133M		0.00	0.00	0.00	0.84
XE-133		3.09E 02	2.48E 02	2.81E 02	1.40E 03
XE-135		23.	7.9	23.	1.08E 02
XE-138		0.00	0.00	0.00	0.00
OTHERS:					
XE-131M		0.00	0.00	0.00	4.3
XE-135M		0.00	0.00	0.00	0.00
BE-7		0.00	0.00	0.00	0.00
NA-24		0.00	0.00	0.00	0.00
K-40		1.60E-05	0.00	3.45E-05	5.04E-05
CR-51		0.00	0.00	0.00	0.00
MN-54		0.00	0.00	0.00	0.00
MN-56		0.00	0.00	0.00	0.00
FE-59		0.00	0.00	0.00	0.00

K-40	1.80E-05	0.00	3.45E-05	5.04E-05
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00
MN-56	0.00	0.00	0.00	0.00
FE-59	0.00	0.00	0.00	0.00
CO-57	0.00	0.00	0.00	0.00
CO-58	3.34E-06	8.50E-06	1.69E-06	1.00E-04
CO-60	0.00	2.60E-06	0.00	3.05E-05
NI-65	0.00	0.00	0.00	0.00
CU-64	0.00	0.00	0.00	0.00
ZN-65	0.00	0.00	0.00	0.00
SE-75	0.00	0.00	0.00	0.00
BR-84	0.00	0.00	0.00	0.00
RB-88	0.00	0.00	2.34E-04	2.34E-04
RB-89	0.00	0.00	0.00	0.00
SR-85	0.00	0.00	0.00	0.00
SR-91	0.00	0.00	0.00	0.00
SR-92	0.00	0.00	0.00	0.00
Y-88	0.00	0.00	0.00	0.00
Y-91M	0.00	0.00	0.00	0.00
Y-92	0.00	0.00	0.00	0.00
ZR-95	0.00	0.00	0.00	1.11E-05
ZR-97	0.00	0.00	0.00	0.00
NB-94	0.00	0.00	0.00	0.00
NB-95	0.00	0.00	0.00	9.31E-06
NB-97	0.00	0.00	0.00	0.00
MO-99	0.00	0.00	0.00	0.00
TC-99M	0.00	0.00	0.00	0.00
RU-103	0.00	0.00	0.00	0.00
RU-106	0.00	0.00	0.00	0.00
AG-110M	0.00	0.00	0.00	1.36E-05
CI-109	0.00	0.00	0.00	0.00
CD-113M	0.00	0.00	0.00	0.00
SN-113	0.00	0.00	0.00	0.00
SB-122	0.00	0.00	0.00	0.00
SB-124	0.00	0.00	0.00	0.00
SB-125	0.00	0.00	0.00	2.22E-05
TE-132	0.00	0.00	0.00	0.00
I-132	0.00	0.00	0.00	0.00
I-134	0.00	0.00	0.00	0.00
CS-136	0.00	0.00	0.00	0.00
CS-138	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00
BA-139	0.00	0.00	0.00	0.00
CE-139	0.00	0.00	0.00	0.00
CE-144	0.00	0.00	0.00	0.00
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
HG-203	0.00	0.00	0.00	0.00
PB-214	0.00	0.00	0.00	0.00
BI-214	0.00	0.00	0.00	0.00
RA-226	0.00	0.00	0.00	0.00
TH-228	0.00	1.02E-06	0.00	1.85E-06
IJ-235	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00

REMARKS:

0.00 = <MDA

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE, UNIT ONE
 REPORT ON RADIOACTIVE LIQUID EFFLUENTS
 APPENDIX "A" DOCKET 50-313 YEAR: 1984

REPORTING PARAMETERS	/UNITS /	JAN	FEB	MAR	/QTRLY TOT/SEMI TOTL/
1. GROSS BETA + GAMMA					
A. TOTAL RELEASED	CURIES	2.08E-02	0.33	1.3	1.6
B. AVE CON RELEASED	UCI/ML	3.26E-10	5.18E-09	1.88E-08	3.09E-09
C. MAX CON RELEASED	UCI/ML	1.54E-08	2.13E-07	1.72E-06	1.95E-06
2. TRITIUM					
A. TOTAL RELEASED	CURIES	13.	22.	62.	97.
B. AVE CON RELEASED	UCI/ML	2.06E-07	3.45E-07	9.15E-07	4.89E-07
3. DISS NOBLE GASES					
A. TOTAL RELEASED	CURIES	0.13	0.57	8.5	9.2
B. AVE CON RELEASED	UCI/ML	2.10E-09	9.00E-09	1.25E-07	4.55E-08
4. GROSS ALPHA					
A. TOTAL RELEASED	CURIES	0.00	0.00	0.00	0.00
B. AVE CON RELEASED	UCI/ML	0.00	0.00	0.00	0.00
5. RADWASTE RELEASED	LITERS	6.12E 06	1.07E 07	1.01E 07	2.69E 07
6. DILUTION WATER	LITERS	6.39E 10	6.32E 10	6.79E 10	1.95E 11
7. ISOTOPE CONC. CURIES					
KR-85M		0.00	0.00	0.00	0.00
KR-85		0.00	0.00	2.24E-03	2.24E-03
KR-87		0.00	0.00	0.00	0.00
KR-88		0.00	0.00	0.00	0.00
XE-131M		1.68E-04	5.17E-03	0.11	0.12
XE-133M		1.20E-04	3.06E-03	3.76E-02	4.08E-02
XE-133		0.13	0.56	8.4	9.0
XE-135		6.49E-04	4.84E-03	7.80E-03	1.33E-02
BE-7		2.37E-05	0.00	8.47E-05	1.08E-04
NA-24		0.00	9.27E-03	1.43E-02	2.35E-02
CR-51		0.00	8.53E-04	1.15E-02	1.23E-02
MN-54		2.47E-04	1.17E-03	2.98E-04	1.71E-03
MN-56		0.00	0.00	0.00	0.00
FE-59		0.00	0.00	1.25E-03	1.25E-03
CO-57		1.91E-05	1.22E-04	0.00	1.41E-04
CO-58		1.59E-03	8.70E-03	0.12	0.13
CO-60		5.73E-03	2.42E-02	1.47E-02	4.46E-02
NI-65		0.00	0.00	0.00	0.00
CU-64		0.00	0.00	0.00	0.00
ZN-65		0.00	0.00	0.00	0.00
SE-75		0.00	0.00	0.00	0.00
SR-89		0.00	0.00	0.00	0.00
SR-90		0.00	0.00	0.00	0.00
SR-91		0.00	0.00	0.00	0.00
SR-92		5.32E-06	0.00	3.66E-06	8.98E-06
ZR-95		0.00	8.26E-05	1.40E-03	1.48E-03
ZR-97		6.74E-07	0.00	2.87E-05	2.94E-05
NB-95		3.82E-05	2.52E-04	2.11E-03	2.40E-03
NB-97		3.53E-05	1.09E-04	2.29E-04	3.73E-04
MO-99		0.00	0.00	3.09E-03	3.09E-03
RU-103		0.00	3.85E-05	8.93E-04	9.32E-04

NB-95	3.82E-05	2.52E-04	2.11E-03	2.40E-03
NB-97	3.53E-05	1.09E-04	2.29E-04	3.73E-04
MO-99	0.00	0.00	3.09E-03	3.09E-03
RU-103	0.00	3.85E-05	8.93E-04	9.32E-04
RU-106	1.54E-04	3.53E-04	0.00	5.08E-04
AG-110M	2.79E-04	3.36E-04	8.95E-04	1.51E-03
I-131	3.52E-04	1.15E-02	9.58E-02	0.11
I-132	0.00	7.60E-06	6.19E-05	6.95E-05
I-133	3.41E-06	2.29E-03	6.59E-03	8.89E-03
I-134	0.00	0.00	0.00	0.00
I-135	0.00	5.40E-05	4.84E-04	5.38E-04
CS-134	3.18E-03	7.33E-02	0.27	0.34
CS-136	0.00	2.89E-05	7.69E-04	7.97E-04
CS-137	9.15E-03	0.19	0.71	0.92
CS-138	0.00	7.91E-06	0.00	7.91E-06
BA-133	0.00	0.00	0.00	0.00
BA-140	0.00	0.00	0.00	0.00
LA-140	1.06E-05	4.35E-05	1.48E-02	1.49E-02
CE-144	0.00	0.00	4.50E-04	4.50E-04
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
NP-239	1.25E-05	0.00	0.00	1.25E-05

8. % OF LIMIT (BASED ON 10 CURIES/QTR.)	%	0.21	3.3	13.	16.
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REMARKS: 0.00 = N. D.
 SR-89 AND SR-90 VALUES FOR QUARTERLY ANALYSIS.

 * ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT ONE *
 * REPORT ON RADIOACTIVE LIQUID EFFLUENTS *
 * APPENDIX "A" DOCKET 50-313 YEAR: 1984 *

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REPORTING PARAMETERS /UNITS / APR / MAY / JUN /QTRLY TOT/SEMI TOTL/

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1. GROSS BETA + GAMMA						
A. TOTAL RELEASED	CURIES	0.60	0.40	5.08E-02	1.0	2.7
B. AVE CON RELEASED	UCI/ML	8.35E-09	3.02E-09	3.91E-10	3.92E-09	6.00E-09
C. MAX CON RELEASED	UCI/ML	2.47E-07	1.17E-07	1.13E-08	3.76E-07	2.32E-06
2. TRITIUM						
A. TOTAL RELEASED	CURIES	88.	15.	7.2	1.10E 02	2.07E 02
B. AVE CON RELEASED	UCI/ML	1.23E-06	1.11E-07	5.55E-08	4.66E-07	4.77E-07
3. DISS NOBLE GASES						
A. TOTAL RELEASED	CURIES	3.7	13.	5.3	22.	31.
B. AVE CON RELEASED	UCI/ML	5.12E-08	1.00E-07	4.09E-08	6.40E-08	5.48E-08
4. GROSS ALPHA						
A. TOTAL RELEASED	CURIES	0.00	0.00	0.00	0.00	0.00
B. AVE CON RELEASED	UCI/ML	0.00	0.00	0.00	0.00	0.00
5. RADWASTE RELEASED	LITERS	1.10E 07	9.55E 06	1.14E 07	3.20E 07	5.89E 07
6. DILUTION WATER	LITERS	7.13E 10	1.31E 11	1.30E 11	3.32E 11	5.27E 11
7. ISOTOPE CONC.	CURIES					
KR-85M		0.00	0.00	0.00	0.00	0.00
KR-85		0.00	0.00	0.00	0.00	2.24E-03
KR-87		0.00	0.00	0.00	0.00	0.00
KR-88		1.54E-04	0.00	3.31E-05	1.87E-04	1.87E-04
XE-131M		0.18	2.58E-02	9.87E-03	0.21	0.33
XE-133M		1.46E-02	7.50E-02	3.15E-02	0.12	0.16
XE-133		3.5	13.	5.3	22.	31.
XE-135		2.04E-04	7.10E-03	7.07E-03	1.44E-02	2.77E-02
BE-7		0.00	0.00	0.00	0.00	1.08E-04
NA-24		2.88E-04	3.88E-04	7.14E-04	1.39E-03	2.49E-02
CR-51		2.48E-02	2.06E-02	3.45E-04	4.58E-02	5.81E-02
MN-54		9.60E-04	2.86E-03	7.77E-05	3.90E-03	5.61E-03
MN-56		0.00	0.00	0.00	0.00	0.00
FE-59		3.38E-03	3.77E-04	0.00	3.75E-03	5.01E-03
CO-57		2.84E-04	2.70E-04	0.00	5.54E-04	6.94E-04
CO-58		0.29	0.18	8.64E-03	0.48	0.62
CO-60		2.49E-02	5.62E-02	2.75E-03	8.38E-02	0.13
NI-65		0.00	0.00	0.00	0.00	0.00
CU-64		0.00	0.00	0.00	0.00	0.00
ZN-65		0.00	0.00	0.00	0.00	0.00
SE-75		1.57E-04	0.00	0.00	1.57E-04	1.57E-04
SR-89		0.00	0.00	0.00	0.00	0.00
SR-90		0.00	0.00	0.00	0.00	0.00
SR-91		3.85E-05	0.00	0.00	3.85E-05	3.85E-05
SR-92		2.45E-05	3.65E-05	1.18E-05	7.28E-05	8.18E-05
ZR-95		2.61E-03	3.14E-03	9.45E-05	5.84E-03	7.33E-03
ZR-97		1.32E-05	1.30E-04	4.19E-06	1.47E-04	1.77E-04
NB-95		3.60E-03	4.93E-03	2.03E-04	8.74E-03	1.11E-02
NB-97		1.76E-04	1.37E-04	4.70E-05	3.60E-04	7.33E-04
MO-99		0.00	0.00	0.00	0.00	3.09E-03

SR-90	0.00	0.00	0.00	0.00	0.00
SR-91	3.05E-05	0.00	0.00	3.85E-05	3.85E-05
SR-92	2.45E-05	3.65E-05	1.18E-05	7.28E-05	8.18E-05
ZR-95	2.61E-03	3.14E-03	9.45E-05	5.84E-03	7.33E-03
ZR-97	1.32E-05	1.30E-04	4.19E-06	1.47E-04	1.77E-04
NB-95	3.60E-03	4.93E-03	2.03E-04	8.74E-03	1.11E-02
NB-97	1.76E-04	1.37E-04	4.70E-05	3.60E-04	7.33E-04
MO-99	0.00	0.00	0.00	0.00	3.09E-03
RU-103	4.23E-03	1.73E-03	8.38E-05	6.05E-03	6.98E-03
RU-106	1.84E-04	1.48E-03	0.00	1.67E-03	2.17E-03
AG-110M	4.74E-03	1.53E-02	1.52E-03	2.15E-02	2.30E-02
I-131	3.21E-02	3.20E-03	1.72E-04	3.55E-02	0.14
I-132	2.49E-04	0.00	0.00	2.49E-04	3.18E-04
I-133	0.00	0.00	0.00	0.00	8.89E-03
I-134	0.00	0.00	0.00	0.00	0.00
I-135	0.00	0.00	0.00	0.00	5.38E-04
CS-134	5.55E-02	2.63E-02	9.39E-03	9.11E-02	0.43
CS-136	5.12E-05	0.00	0.00	5.12E-05	8.49E-04
CS-137	0.13	7.33E-02	2.68E-02	0.23	1.1
CS-138	0.00	0.00	0.00	0.00	7.91E-06
BA-133	0.00	0.00	0.00	0.00	0.00
BA-140	2.68E-04	0.00	0.00	2.68E-04	2.68E-04
LA-140	1.90E-02	1.44E-03	3.50E-05	2.05E-02	3.54E-02
CE-144	1.70E-04	2.10E-04	0.00	3.80E-04	8.30E-04
EU-152	0.00	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00	1.25E-05

8. % OF LIMIT (BASED ON 10 CURIES/QTR.) % 6.0 4.0 0.51 10.

REMARKS: 0.00 = N. D.
SR-89 AND SR-90 VALUES FOR QUARTERLY ANALYSIS.

 * ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT TWO *
 * REPORT ON RADIOACTIVE GASEOUS EFFLUENTS *
 * APPENDIX "A" DOCKET 50-368 YEAR: 1984 *

 REPORTING PARAMETERS / UNITS / JAN / FEB / MAR / YEARLY TOT/

1. GASES	CURIES	0.00	52.	2.01E 02	2.53E 02
2. HALOGENS	CURIES	4.29E-07	1.57E-05	9.05E-05	1.07E-04
3. DELETED					
4. H-3	CURIES	0.15	8.14E-02	0.49	0.72
5. ALPHA	CURIES	0.00	0.00	0.00	0.00
6. MAXIMUM GAS RELEASE RATE	UCI/SEC	0.41	55.	1.48E 02	NA
7. % OF APPLICABLE LIMIT FOR:					
A. GASES					
1. GAMMA	%			0.33	NA
2. BETA	%			0.39	NA
B. DELETED					
C. PART. + I-131	%			2.24E-02	NA
8. ISOTOPIC CONC.	CURIES				
PARTICULATES:					
SR-89		0.00	0.00	0.00	0.00
SR-90		0.00	0.00	0.00	0.00
CS-134		0.00	0.00	3.08E-07	3.08E-07
CS-137		7.42E-07	1.45E-07	1.15E-05	1.24E-05
BA-140		0.00	0.00	0.00	0.00
LA-140		0.00	0.00	0.00	0.00
HALOGENS:					
I-131		4.29E-07	9.52E-06	7.35E-05	8.34E-05
I-133		0.00	6.16E-06	1.71E-05	2.32E-05
I-135		0.00	0.00	0.00	0.00
GASES:					
AR-41		0.00	0.00	0.00	0.00
KR-85M		0.00	0.00	0.00	0.00
KR-85		0.00	0.00	0.00	0.00
KR-87		0.00	0.00	0.00	0.00
KR-88		0.00	0.00	0.00	0.00
XE-133M		0.00	7.1	0.00	7.1
XE-133		0.00	41.	1.78E 02	2.19E 02
XE-135		0.00	4.3	22.	26.
XE-138		0.00	0.00	0.00	0.00
OTHERS:					
XE-131M		0.00	0.00	0.00	0.00
XE-135M		0.00	0.00	0.00	0.00
BE-7		0.00	0.00	0.00	0.00
NA-24		0.00	0.00	0.00	0.00
K-40		2.97E-06	1.17E-05	0.00	1.47E-05
CR-51		0.00	0.00	0.00	0.00
MN-54		0.00	0.00	0.00	0.00
PO-210		0.00	0.00	0.00	0.00

BE-7	0.00	0.00	0.00	0.00
NA-24	0.00	0.00	0.00	0.00
K-40	2.97E-06	1.17E-05	0.00	1.47E-05
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00
MN-56	0.00	0.00	0.00	0.00
FE-59	0.00	0.00	0.00	0.00
CO-57	0.00	0.00	0.00	0.00
CO-58	6.19E-07	3.58E-06	1.57E-05	1.99E-05
CO-60	0.00	6.55E-07	1.12E-06	1.77E-06
NI-65	0.00	0.00	0.00	0.00
CU-64	0.00	0.00	0.00	0.00
ZN-65	0.00	0.00	0.00	0.00
SE-75	0.00	0.00	0.00	0.00
BR-84	0.00	0.00	0.00	0.00
RB-88	0.00	0.00	0.00	0.00
RB-89	0.00	0.00	0.00	0.00
SR-85	0.00	0.00	0.00	0.00
SR-91	0.00	0.00	0.00	0.00
SR-92	0.00	0.00	0.00	0.00
Y-88	0.00	0.00	0.00	0.00
Y-91M	0.00	0.00	0.00	0.00
Y-92	0.00	0.00	0.00	0.00
ZR-95	0.00	0.00	0.00	0.00
ZR-97	0.00	0.00	0.00	0.00
NB-94	0.00	0.00	0.00	0.00
NB-95	1.52E-07	4.20E-07	0.00	5.72E-07
NB-97	0.00	0.00	0.00	0.00
MO-99	0.00	0.00	0.00	0.00
TC-99M	0.00	0.00	0.00	0.00
RU-103	0.00	0.00	0.00	0.00
RU-106	0.00	0.00	0.00	0.00
AG-110M	0.00	0.00	0.00	0.00
CI-109	0.00	0.00	0.00	0.00
CD-113M	0.00	0.00	0.00	0.00
SN-113	0.00	0.00	0.00	0.00
SB-122	0.00	0.00	0.00	0.00
SB-124	0.00	0.00	0.00	0.00
SB-125	0.00	0.00	0.00	0.00
TE-132	0.00	0.00	0.00	0.00
I-132	0.00	1.28E-06	0.00	1.28E-06
I-134	0.00	0.00	0.00	0.00
CS-136	0.00	0.00	0.00	0.00
CS-138	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00
BA-139	0.00	0.00	0.00	0.00
CE-139	0.00	0.00	0.00	0.00
CE-144	0.00	0.00	0.00	0.00
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
HG-203	0.00	0.00	0.00	0.00
PB-214	0.00	0.00	0.00	0.00
BI-214	0.00	0.00	0.00	0.00
RA-226	0.00	0.00	0.00	0.00
TH-228	9.12E-07	1.56E-06	0.00	2.47E-06
U-235	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00

REMARKS:
0.00 = <MDA

 * ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT TWO *
 * REPORT ON RADIOACTIVE GASEOUS EFFLUENTS *
 * APPENDIX "A" DOCKET 50-368 YEAR: 1984 *

 REPORTING PARAMETERS / UNITS / APR / MAY / JUN /YEARLY TOT/
 =====

1. GASES	CURIES	5.13E 02	2.08E 02	2.16E 02	1.19E 03
2. HALOGENS	CURIES	2.40E-06	5.11E-06	7.21E-06	1.21E-04
3. DELETED					
4. H-3	CURIES	0.32	0.17	0.27	1.5
5. ALPHA	CURIES	9.05E-07	9.05E-07	9.05E-07	2.71E-06
6. MAXIMUM GAS RELEASE RATE	UCI/SEC	2.40E 02	1.44E 02	1.72E 02	NA
7. % OF APPLICABLE LIMIT FOR:					
A. GASES					
1. GAMMA	%			1.2	NA
2. BETA	%			1.4	NA
B. DELETED					
C. PART. + I-131	%			4.27E-03	NA
8. ISOTOPIC CONC.	CURIES				

PARTICULATES:

SR-89	0.00	0.00	0.00	0.00
SR-90	0.00	0.00	0.00	0.00
CS-134	0.00	0.00	0.00	3.08E-07
CS-137	2.33E-07	0.00	2.86E-07	1.29E-05
BA-140	0.00	0.00	0.00	0.00
LA-140	0.00	0.00	0.00	0.00

HALOGENS:

I-131	2.40E-06	5.11E-06	6.89E-06	9.78E-05
I-133	0.00	0.00	3.12E-07	2.35E-05
I-135	0.00	0.00	0.00	0.00

GASES:

AR-41	0.00	0.00	0.00	0.00
KR-85M	0.00	0.00	0.00	0.00
KR-85	0.00	0.00	0.00	0.00
KR-87	0.00	0.00	0.00	0.00
KR-88	0.00	0.00	0.00	0.00
XE-133M	0.00	0.00	0.00	7.1
XE-133	4.64E 02	1.86E 02	1.86E 02	1.05E 03
XE-135	49.	22.	30.	1.28E 02
XE-138	0.00	0.00	0.00	0.00

OTHERS:

XE-131M	0.00	0.00	0.00	0.00
XE-135M	0.00	0.00	0.00	0.00
BE-7	0.00	0.00	0.00	0.00
NA-24	0.00	0.00	0.00	0.00
K-40	0.00	5.78E-06	4.74E-06	2.52E-05
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00

NA-24	0.00	0.00	0.00	0.00
K-40	0.00	5.78E-06	4.74E-06	2.52E-05
CR-51	0.00	0.00	0.00	0.00
MN-54	0.00	0.00	0.00	0.00
MN-56	0.00	0.00	0.00	0.00
FE-59	0.00	0.00	0.00	0.00
CO-57	0.00	0.00	0.00	0.00
CO-58	0.00	5.97E-08	0.00	1.99E-05
CO-60	0.00	0.00	6.12E-08	1.84E-06
NI-65	0.00	0.00	0.00	0.00
CU-64	0.00	0.00	0.00	0.00
ZN-65	0.00	0.00	0.00	0.00
SE-75	0.00	0.00	0.00	0.00
BR-84	0.00	0.00	0.00	0.00
RB-88	0.00	0.00	0.00	0.00
RB-89	0.00	0.00	0.00	0.00
SR-85	0.00	0.00	0.00	0.00
SR-91	0.00	0.00	0.00	0.00
SR-92	0.00	0.00	0.00	0.00
Y-88	0.00	0.00	0.00	0.00
Y-91M	0.00	0.00	0.00	0.00
Y-92	0.00	0.00	0.00	0.00
ZR-95	0.00	0.00	0.00	0.00
ZR-97	0.00	0.00	0.00	0.00
NB-94	0.00	0.00	0.00	0.00
NB-95	0.00	0.00	0.00	5.72E-07
NB-97	0.00	0.00	0.00	0.00
MO-99	0.00	0.00	0.00	0.00
TC-99M	0.00	0.00	0.00	0.00
RU-103	0.00	0.00	0.00	0.00
RU-106	0.00	0.00	0.00	0.00
AG-110M	0.00	0.00	0.00	0.00
CI-109	0.00	0.00	0.00	0.00
CD-113M	0.00	0.00	0.00	0.00
SN-113	0.00	0.00	0.00	0.00
SB-122	0.00	0.00	0.00	0.00
SB-124	0.00	0.00	0.00	0.00
SB-125	0.00	0.00	0.00	0.00
TE-132	0.00	0.00	0.00	0.00
I-132	0.00	0.00	0.00	1.28E-06
I-134	0.00	0.00	4.79E-07	4.79E-07
CS-136	0.00	0.00	0.00	0.00
CS-138	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00
BA-139	0.00	0.00	0.00	0.00
CE-139	0.00	0.00	0.00	0.00
CE-144	0.00	0.00	0.00	0.00
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
HG-203	0.00	0.00	0.00	0.00
PB-214	0.00	0.00	0.00	0.00
BI-214	0.00	0.00	0.00	0.00
RA-226	0.00	0.00	0.00	0.00
TH-228	0.00	3.06E-07	0.00	2.78E-06
LI-235	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00

REMARKS:

0.00 = <MDA

 * ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT TWO *
 * REPORT ON RADIOACTIVE LIQUID EFFLUENTS *
 * APPENDIX "A" DOCKET 50-368 YEAR: 1984 *

 REPORTING PARAMETERS /UNITS / JAN / FEB / MAR /QTRLY TOT/SEMI TOTL/
 =====

1. GROSS BETA + GAMMA					
A. TOTAL RELEASED	CURIES	0.12	0.15	0.19	0.45
B. AVE CON RELEASED	UCI/ML	1.85E-09	2.36E-09	2.75E-09	2.32E-09
C. MAX CON RELEASED	UCI/ML	5.24E-08	1.22E-07	1.50E-07	3.25E-07
2. TRITIUM					
A. TOTAL RELEASED	CURIES	1.0	1.3	4.5	6.9
B. AVE CON RELEASED	UCI/ML	1.63E-08	2.13E-08	6.66E-08	3.47E-08
3. DISS NOBLE GASES					
A. TOTAL RELEASED	CURIES	1.02E-04	1.29E-02	0.21	0.22
B. AVE CON RELEASED	UCI/ML	1.60E-12	2.04E-10	3.03E-09	1.08E-09
4. GROSS ALPHA					
A. TOTAL RELEASED	CURIES	0.00	0.00	0.00	0.00
B. AVE CON RELEASED	UCI/ML	0.00	0.00	0.00	0.00
5. RADWASTE RELEASED	LITERS	4.90E 05	3.38E 05	2.86E 05	1.11E 06
6. DILUTION WATER	LITERS	6.39E 10	6.32E 10	6.79E 10	1.95E 11
7. ISOTOPE CONC.	CURIES				
KR-85M		0.00	1.29E-04	0.00	1.29E-04
KR-85		0.00	0.00	0.00	0.00
KR-87		0.00	0.00	0.00	0.00
KR-88		0.00	0.00	0.00	0.00
XE-131M		0.00	0.00	0.00	0.00
XE-133M		0.00	0.00	1.68E-03	1.68E-03
XE-133		1.02E-04	6.19E-03	0.20	0.21
XE-135		0.00	6.56E-03	4.99E-03	1.16E-02
BE-7		0.00	0.00	0.00	0.00
NA-24		5.61E-05	8.03E-05	2.56E-03	2.70E-03
CR-51		7.90E-03	9.75E-03	6.41E-04	1.83E-02
MN-54		1.16E-03	1.10E-03	2.62E-04	2.52E-03
MN-56		0.00	0.00	0.00	0.00
FE-59		1.55E-03	1.75E-03	6.23E-05	3.36E-03
CO-57		9.20E-05	9.07E-05	0.00	1.83E-04
CO-58		2.52E-02	2.11E-02	7.35E-03	5.36E-02
CO-60		1.10E-02	9.39E-03	2.04E-03	2.24E-02
NI-65		0.00	0.00	0.00	0.00
CU-64		0.00	0.00	0.00	0.00
ZN-65		6.57E-05	5.99E-04	2.37E-04	9.02E-04
SE-75		0.00	0.00	0.00	0.00
SR-89		0.00	0.00	0.00	0.00
SR-90		0.00	0.00	0.00	0.00
SR-91		0.00	0.00	0.00	0.00
SR-92		5.34E-06	2.83E-06	3.29E-06	1.15E-05
ZR-95		3.30E-03	4.36E-03	3.88E-04	8.05E-03
7R-97		3.03E-06	3.50E-05	1.22E-05	5.02E-05
NB-95		6.35E-03	8.05E-03	9.03E-04	1.53E-02
NB-97		2.52E-04	3.92E-05	3.18E-04	6.09E-04
MO-99		0.00	0.00	0.00	0.00

NB-95	6.35E-03	8.05E-03	9.03E-04	1.53E-02
NB-97	2.52E-04	3.92E-05	3.16E-04	6.09E-04
MO-99	0.00	0.00	0.00	0.00
RU-103	8.53E-04	1.09E-03	2.52E-05	1.97E-03
RU-106	2.21E-03	2.30E-03	2.53E-04	4.76E-03
AG-110M	1.94E-03	2.62E-03	1.14E-03	5.70E-03
I-131	3.30E-05	6.63E-03	7.24E-02	7.91E-02
I-132	0.00	0.00	0.00	0.00
I-133	0.00	1.24E-03	4.19E-03	5.43E-03
I-134	0.00	0.00	0.00	0.00
I-135	0.00	0.00	1.84E-04	1.84E-04
CS-134	2.83E-02	3.97E-02	2.62E-02	9.42E-02
CS-136	0.00	0.00	0.00	0.00
CS-137	2.74E-02	3.85E-02	6.71E-02	0.13
CS-138	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00
BA-140	0.00	0.00	0.00	0.00
LA-140	0.00	1.13E-04	1.62E-04	2.75E-04
CE-144	6.14E-04	9.72E-04	0.00	1.59E-03
EU-152	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00

8. % OF LIMIT (BASED ON 10 CURIES/QTR.) % 1.2 1.5 1.9 4.5

REMARKS 0.00 = N. D.
 SR-89 AND SR-90 VALUES FOR QUARTERLY ANALYSIS.

 * ARKANSAS POWER AND LIGHT COMPANY *
 * ARKANSAS NUCLEAR ONE, UNIT TWO *
 * REPORT ON RADIOACTIVE LIQUID EFFLUENTS *
 * APPENDIX "A" DOCKET 50-368 YEAR: 1984 *

 REPORTING PARAMETERS /UNITS / APR / MAY / JUN /QTRLY TOT/SEMI TOTL/
 =====

1. GROSS BETA + GAMMA						
A. TOTAL RELEASED	CURIES	8.80E-03	7.10E-02	0.14	0.22	0.68
B. AVE CON RELEASED	UCI/ML	1.23E-10	5.42E-10	1.09E-09	5.86E-10	1.45E-09
C. MAX CON RELEASED	UCI/ML	8.34E-09	2.10E-08	7.44E-08	1.04E-07	4.29E-07
2. TRITIUM						
A. TOTAL RELEASED	CURIES	4.0	20.	63.	88.	94.
B. AVE CON RELEASED	UCI/ML	5.58E-08	1.56E-07	4.85E-07	2.32E-07	1.34E-07
3. DISS NOBLE GASES						
A. TOTAL RELEASED	CURIES	0.24	1.1	1.3	2.6	2.8
B. AVE CON RELEASED	UCI/ML	3.39E-09	8.24E-09	9.91E-09	7.18E-09	4.13E-09
4. GROSS ALPHA						
A. TOTAL RELEASED	CURIES	1.43E-05	0.00	4.05E-05	5.48E-05	5.48E-05
B. AVE CON RELEASED	UCI/ML	2.01E-13	0.00	3.11E-13	1.71E-13	8.54E-14
5. RADWASTE RELEASED	LITERS	1.59E 05	2.97E 05	3.41E 05	7.96E 05	1.91E 06
6. DILUTION WATER	LITERS	7.13E 10	1.31E 11	1.30E 11	3.32E 11	5.27E 11
7. ISOTOPE CONC.	CURIES					
KR-85M		1.72E-05	2.20E-05	0.00	3.92E-05	1.68E-04
KR-85		0.00	0.00	0.00	0.00	0.00
KR-87		0.00	0.00	0.00	0.00	0.00
KR-88		0.00	0.00	0.00	0.00	0.00
XE-131M		1.01E-03	3.28E-04	1.68E-02	1.81E-02	1.81E-02
XE-133M		1.31E-03	9.22E-03	5.08E-03	1.56E-02	1.73E-02
XE-133		0.24	1.1	1.3	2.6	2.8
XE-135		2.72E-03	4.70E-03	4.21E-03	1.16E-02	2.32E-02
BE-7		0.00	0.00	0.00	0.00	0.00
NA-24		0.00	8.35E-05	0.00	8.35E-05	2.78E-03
CR-51		1.31E-04	1.17E-03	4.06E-03	5.35E-03	2.36E-02
MN-54		9.68E-06	1.33E-03	5.08E-04	1.85E-03	4.37E-03
MN-56		0.00	0.00	0.00	0.00	0.00
FE-59		0.00	0.00	3.71E-05	3.71E-05	3.40E-03
CO-57		0.00	1.15E-04	0.00	1.15E-04	2.98E-04
CO-58		5.46E-04	9.73E-03	1.05E-02	2.08E-02	7.44E-02
CO-60		1.29E-04	2.15E-02	8.35E-03	3.00E-02	5.24E-02
NI-65		0.00	0.00	0.00	0.00	0.00
CU-64		0.00	0.00	0.00	0.00	0.00
ZN-65		0.00	8.17E-05	0.00	8.17E-05	9.84E-04
SE-75		0.00	0.00	0.00	0.00	0.00
SR-89		0.00	0.00	3.33E-04	3.33E-04	3.33E-04
SR-90		0.00	0.00	0.00	0.00	0.00
SR-91		0.00	0.00	0.00	0.00	0.00
SR-92		0.00	0.00	1.42E-05	1.42E-05	2.57E-05
ZR-95		0.00	9.20E-04	9.23E-04	1.84E-03	9.89E-03
ZR-97		0.00	1.81E-05	6.06E-05	7.87E-05	1.29E-04
NB-95		0.00	1.68E-03	1.53E-03	3.21E-03	1.85E-02
NB-97		1.34E-05	4.56E-05	1.54E-04	2.13E-04	8.22E-04
MO-99		0.00	0.00	0.00	0.00	0.00

ZR-97	0.00	1.81E-05	6.06E-05	7.87E-05	1.29E-04
NB-95	0.00	1.68E-03	1.53E-03	3.21E-03	1.85E-02
NB-97	1.34E-05	4.56E-05	1.54E-04	2.13E-04	8.22E-04
MO-99	0.00	0.00	0.00	0.00	0.00
RU-103	0.00	6.16E-05	2.08E-04	2.70E-04	2.24E-03
RU-106	0.00	2.20E-03	1.37E-03	3.57E-03	8.33E-03
AG-110M	2.75E-04	4.03E-03	2.81E-03	7.12E-03	1.28E-02
I-131	2.43E-03	1.39E-02	6.62E-02	8.26E-02	0.16
I-132	0.00	0.00	1.38E-05	1.38E-05	1.38E-05
I-133	2.04E-04	2.13E-04	2.59E-04	6.76E-04	6.11E-03
I-134	0.00	0.00	0.00	0.00	0.00
I-135	0.00	0.00	0.00	0.00	1.84E-04
CS-134	1.37E-03	3.53E-03	1.19E-02	1.68E-02	0.11
CS-136	0.00	5.22E-05	1.48E-04	2.00E-04	2.00E-04
CS-137	3.66E-03	9.64E-03	3.21E-02	4.54E-02	0.18
CS-138	0.00	0.00	0.00	0.00	0.00
BA-133	0.00	0.00	0.00	0.00	0.00
BA-140	0.00	0.00	0.00	0.00	0.00
LA-140	2.55E-05	0.00	1.61E-04	1.86E-04	4.62E-04
CE-144	0.00	6.56E-04	3.77E-04	1.03E-03	2.62E-03
EU-152	0.00	0.00	0.00	0.00	0.00
W-187	0.00	0.00	0.00	0.00	0.00
NP-239	0.00	0.00	0.00	0.00	0.00

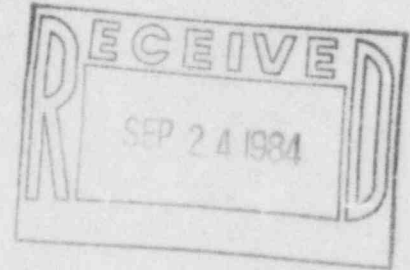
8. % OF LIMIT (BASED ON 10 CURIES/QTR.) % 8.80E-02 0.71 1.4 2.2

REMARKS 0.00 = N. D.
SR-89 AND SR-90 VALUES FOR QUARTERLY ANALYSIS.



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

September 14, 1984



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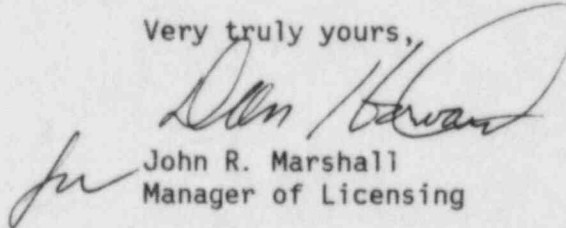
Mr. John T. Collins
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

SUBJECT: Arkansas Nuclear One - Units 1 & 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Semi-annual Effluent & Waste
Disposal Report (ANO-1&2)

Gentlemen:

In accordance with 10CFR 50.36a(a)(2), attached is the subject report for the first and second quarters of 1984.

Very truly yours,


John R. Marshall
Manager of Licensing

JRM:RS:lw

Attachments

cc: Mr. Norman M. Haller, Director
Office of Management & Program Analysis
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Richard C. DeYoung
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

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