TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR SERVICES
RADIOLOGICAL CONTROL

RADIOLOGICAL IMPACT ASSESSMENT REPORT

SEQUOYAH NUCLEAR PLANT

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JANUARY THROUGH DECEMBER 1987

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JANUARY THROUGH DECEMBER 1987

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RADIOLOGICAL IMPACT ASSESSMENT
SEQUOYAH NUCLEAR PLANT
JANUARY - DECEMBER 1987

Introduction

Potential doses to individuals and populations have been calculated for the time period January 1 through December 31, 1987, in compliance with the requirements of Radiological Effluent Technical Specification 6.9.1.9. Dose calculations are based on Regulatory Guides 1.109, 1.111, and 1.113 to determine compliance with the dose objectives contained in 10 CFR 50 Appendix I and 40 CFR 190. The dose calculations have been made using the measured releases listed in tables 1-2 as input in the Gaseous Effluent Licensing Code (for gaseous releases) and the Quarter Water Assessment Code (for liquid releases). Dispersion of radioactive effluents in the environment has been calculated using meteorological data and river flow data measured during this period.

Meteorological Data

Meteorological data were measured, and average quarterly joint frequency distributions (JFDs) for ground-level releases were calculated. The ground-level JFD was derived from windspeeds and directions measured 10 meters above ground-level and from the vertical temperature gradient between 10 and 45 meters.

The windspeeds were divided into nine windspeed ranges. For calculational purposes, calms were distributed into the lowest windspeed range (0-0.5 mph) according to the directional probabilities in the 0.6-1.4 mph range. The quarterly JFDs are listed in tables 3 through 6 for ground-level releases.

Gaseous Effluents

Ground-level dispersion models were applied to all releases. Radionuclides in gaseous effluents were assumed to be released continuously. Dose estimates for external air exposures were made at the site boundary. External doses to the skin and total body were estimated for the nearest resident in each sector. Internal doses were estimated for real receptors due to the ingestion, inhalation, and external exposure pathways. The milk ingestion doses were calculated for farms where milk is consumed without commercial preparation. All receptor locations and points of interest are listed in table 2a. Doses are given in tables 7 through 10 for these individual exposure pathways at the maximum exposure locations.

Population doses were calculated for an estimated 1,060,000 persons living within a 50-mile radius of the plant site. Population doses were calculated assuming that each individual consumes vegetables and meat produced within the sector annulus in which he resides. Doses from milk ingestion were calculated from data on milk production within 50 miles of

the plant site. Doses from external pathways, inhalation, and beef and vegetable ingestion are based on the 50-mile human population distribution. Population dose estimates for the gaseous effluents are presented in table 11.

Liquid Effluents

Doses from liquid effluents were calculated using measured hydraulic data. The average river flows at the plant site were 39,600 cubic feet per second (cfs) for the first quarter, 22,400 cfs for the second quarter, 24,300 cfs for the third quarter, and 17,600 cfs for the fourth quarter. Radioactivity concentrations in the Tennessee River were calculated assuming that releases in liquid effluents were continuous.

Doses were calculated for recreation, consumption of fish, and drinking water from public water supplies between the plant site and the mouth of the Tennessee River. The maximum individual dose from drinking water was assumed to be that calculated at the nearest downstream public water supply (C. F. Industries, Inc.). The maximum potential recreation doses were calculated for a location immediately downstream from the plant outfall. Dose estimates for the liquid effluents are presented in tables 12 through 15.

Direct Radiation

External gamma radiation levels were measured by thermoluminescent dosimeters (TLDs) deployed around SQN. During the preoperational period from August 1975 to January 1980, these levels averaged approximately 23 mR/quarter at onsite stations and 19 mR/quarter offsite. These data reflect a difference of 2-5 mR/quarter (average approximately 4 mR/quarter) between onsite and offsite radiation levels. These higher values measured onsite may be attributable to natural variations in environmental radiation levels, earth moving activities onsite, the mass of concrete employed in the construction of the plant, or other influences.

Analysis of environmental TLD data for the period of November 1986 to November 1987 showed that external gamma radiation levels averaged approximately 19.1 mR/quarter at onsite stations and 16.4 mR/quarter offsite. This indicates that there was no identifiable increase in dose rate levels attributable to direct radiation from plant equipment and/or gaseous effluents. Fluctuations in natural background dose rates and in TLD readings tend to mask any small increments which may be due to plant operations.

Dose Summary

Doses calculated for this year result from the low-level effluent releases of units 1 and 2. For gaseous effluents released in the first quarter, the maximum gamma and beta air doses were calculated to be <0.001 and <0.001 mrad, respectively. During the second quarter, the gamma and beta air doses were <0.001 and <0.001 mrad, respectively. For the third quarter, the gamma and beta air doses were <0.001 and <0.001 mrad, respectively. During the fourth quarter the gamma and beta doses were <0.001 mrad and <0.001 mrad, respectively.

These quarterly doses are well below the annual air dose guidelines (as specified in Appendix I, to 10 CFR 50) or 20 and 40 mrad for gamma and beta radiation, respectively, for two reactor units. The maximum doses from air submersion to the skin and total body during the first quarter were calculated to be 0.0 and 0.0 mrem, respectively. During the second quarter, the skin and total body submersion doses were 0.0 and 0.0 mrem, respectively. For the third quarter these doses were 0.0 and 0.0 mrem for the skin and total body, respectively. For the fourth quarter, these doses were 0.0 mrem and 0.0 mrem for the skin and total body, respectively. These compare with annual dose guidelines of 30 mrem to the skin and 10 mrem to the total body. Internal doses to the maximum exposed organ (the child GI tract) were estimated to be 0.004, 0.006, 0.008, and 0.006 mrem for the first, second, third, and fourth quarter, respectively. These compare with the annual dose guidelines of 30 mrem to the maximum exposed organ. The maximum exposed individual was determined based on actual existing pathways. Therefore, these doses were calculated with consideration of ingestion of meat, milk, and vegetables, inhalation, and exposures to external sources of radiation.

For liquid effluents released in the first quarter, the maximum individual doses to the adult total body and the maximum exposed organ (adult liver) were calculated to be 0.002 and 0.003 mrem, respectively. In the second quarter, the maximum doses to the adult total body and child bone were calculated to be 0.017 and 0.021 mrem, respectively. In the third quarter, the maximum doses to the adult total body and the maximum exposed organ (child bone) were calculated to be 0.084 and 0.095 mrem, respectively. In the fourth quarter, the maximum doses to the adult total body and child bone were calculated to be 0.034 and 0.039 mrem, respectively. Summing the maximum doses for the four quarters, total calculated doses of 0.14 mrem to the total body and 0.16 mrem to the maximum exposed organ were determined. These compare with annual dose guidelines as specified in Appendix I to 10 CFR 50 of 6 and 20 mrem to the total body and maximum exposed organ, respectively, for two units.

Maximum organ doses to the population from gaseous effluents during the first quarter were estimated to be 0.012 man-rem to the G.I. tract and 0.013 man-rem to the lung. For the second quarter, population doses were 0.019 to the G. I. tract and 0.020 man-rem to the lung. For the third quarter, these doses were 0.035 to the G.I. tract and 0.036 man-rem to the lung, respectively. For the fourth quarter, these doses were 0.023 to the G.I. tract and 0.025 man-rem to the lung.

From liquid releases during the first quarter, the total population along the Tennessee River was estimated to receive 0.15 man-rem to the total body and 0.23 to the maximum exposed organ (liver). For the second quarter, the Tennessee River population was estimated to receive 0.76 man-rem to the total body and 0.95 man-rem to the maximum organ (bone). For the third quarter, the total population along the Tennessee River was estimated to receive 5.0 man-rem to the total body and 7.0 man-rem to the maximum organ (liver). For the fourth quarter, the Tennessee River population was estimated to receive 1.8 man-rem to the total body and 2.6 man-rem to the maximum organ (liver).

Population doses can be compared to the natural background dose to the 1,060,000 persons living within 50 miles of the plant of about 159,000 man-rem/yr (based on average individual background dose of about 150 mrem/yr).

To determine compliance with 40 CFR 190, the annual dose contributions to the maximum individual from SQN radioactive effluents and all other nearby uranium fuel-cycle sources have been considered. No nearby fuel-cycle facilities other than SQN have been identified which would significantly expose the maximum individual. The dose to the maximum individual has been conservatively estimated by: first, summing the total body air submersion dose, the critical organ dose from gaseous effluents, the total body dose from liquid effluents, and the critical organ does from liquid effluents (direct radiation, as reported above, is not identifiable over background levels) for each quarter; then, taking the sum for each quarter and summing over four quarters. Using this method, the total dose to the maximum individual for the twelve consecutive months in 1987 has been calculated to be 0.32 mrem. This is well below the limit of 40 CFR 190 (25 mrem/yr).

In addition, no routine activities within the site boundary by members of the public have been identified which would lead to their radiation exposure.

For the purposes of determining plant performance over its operational period a summary of the quarterly doses for the past five years is presented in table 16. Figures 1 through 5 present this data graphically.

In summary, all annual gaseous and liquid effluent doses calculated were below the guidelines of Appendix I to 10 CFR 50 and below the annual limits specified in the SQN Technical Specifications for plant operation.

TABLE 1

SEQUOYAH NUCLEAR PLANT - GASEOUS EFFLUENT RELEASES - 1987

FIRST QUARTER

Co-60	1.16E-04 Ci
Tritium	1.59E+00 Ci

SECOND QUARTER

Co-60	8.69E-05 Ci
Tritium	3.65E+00 Ci

THIRD QUARTER

Co-60	1.27E-04 Ci
Tritium	6.51E+00 Ci

FOURTH QUARTER

Co-60	1.60E-04 Ci
Tritium	2.93E+00 Ci
Mn-54	1.22E-05 Ci
Cs-137	1.64E-06 Ci

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TABLE 2

1987 SEQUOYAH NUCLEAR PLANT LIQUID EFFLUENT RELEASES
(Curies)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
H-3	2.06E+01	2.80E+01	4.47E+01	2.11E+01
Sr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe-55	3.96E-03	1.60E-02	2.17E-02	1.68E-02
Mn-54	1.01E-04	7.95E-04	4.91E-03	4.79E-04
Co-58	0.00E+00	4.67E-04	1.80E-04	6.32E-05
Fe-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	4.96E-03	6.21E-02	1.70E-01	1.01E-01
Zn-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo-99	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	1.46E-03	1.40E-04	1.30E-02	3.47E-03
Cs-137	1.49E-03	3.45E-03	2.54E-02	8.59E-03
Ce-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce-144	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-57	1.87E-06	6.71E-05	1.99E-04	1.35E-04
Sb-125	0.00E+00	0.00E+00	1.09E-03	4.43E-03
Tc-99M	6.07E-07	0.00E+00	0.00E+00	0.00E+00
Kr-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133	1.78E-13	0.00E+00	0.00E+00	0.00E+00

TABLE 2a

SEQUOYAH NUCLEAR PLANT - POINT OF INTEREST AND OFFSITE RECEPTOR LOCATIONS

	POINT	SECTOR	DISTANCE (M)
1	LAND SITE BOUNDARY	N	950.
2	LAND SITE BOUNDARY	NNE	2260.
3	LAND SITE BOUNDARY	NE	1910.
4	LAND SITE BOUNDARY	ENE	1680.
5	LAND SITE BOUNDARY	E	1570.
6	LAND SITE BOUNDARY	ESE	1460.
7	LAND SITE BOUNDARY	SE	1460.
8	LAND SITE BOUNDARY	SSE	1550.
9	LAND SITE BOUNDARY	S	1570.
10	LAND SITE BOUNDARY	SSW	1840.
11	LAND SITE BOUNDARY	SW	2470.
12	LAND SITE BOUNDARY	WSW	910.
13	LAND SITE BOUNDARY	W	670.
14	LAND SITE BOUNDARY	WNW	660.
15	LAND SITE BOUNDARY	NW	660.
16	LAND SITE BOUNDARY	NNW	730.
17	RESIDENT,GARDEN	N	1370.
18	RESIDENT	NNE	2710.
19	RESIDENT,GARDEN	NE	2140.
20	RESIDENT	ENE	2290.
21	RESIDENT	E	1790.
22	RESIDENT	ESE	1790.
23	RESIDENT	SE	1680.
24	RESIDENT,GARDEN	SSE	2210.
25	RESIDENT	S	2020.
26	RESIDENT,GARDEN	SSW	2290.
27	RESIDENT	SW	3010.
28	RESIDENT,GARDEN	WSW	1140.
29	RESIDENT,GARDEN	W	1750.
30	RESIDENT,GARDEN	WNW	1750.
31	RESIDENT	NW	1140.
32	RESIDENT	NNW	800.
33	GARDEN	NNE	3070.
34	GARDEN	E	2630.
35	GARDEN	ESE	1940.
36	GARDEN	SE	3010.
37	GARDEN	S	2290.
38	GARDEN	SW	3660.
39	GARDEN	WSW	2250.
40	GARDEN	NW	1180.
41	GARDEN	NNW	1980.
42	MILK COW ADULT	N	4120.
43	MILK COW ADULT	NE	6750.
44	MILK COW ADULT	SSW	3580.
45	MILK COW ADULT,GARDEN	WNW	1750.
46	MILK COW ADULT	NW	1980.

TABLE 3

SEQUOYAH NUCLEAR PLANT METEOROLOGICAL DATA
GROUND LEVEL JOINT
FREQUENCY DISTRIBUTION IN PERCENT
FIRST QUARTER 1987

STABILITY CLASS A

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.098
NNE	0.000	0.000	0.000	0.098	0.488	0.488	0.000	0.000	0.000	1.074
NE	0.000	0.000	0.000	0.244	0.390	0.293	0.000	0.000	0.000	0.927
ENE	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000	0.000	0.098
E	0.000	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.098
ESE	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049
SE	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
SSE	0.000	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.098
S	0.000	0.000	0.000	0.000	0.098	0.049	0.000	0.000	0.000	0.147
SSW	0.000	0.000	0.000	0.000	0.098	0.341	0.000	0.000	0.000	0.439
SW	0.000	0.000	0.000	0.000	0.098	0.293	0.000	0.000	0.000	0.391
WSW	0.000	0.000	0.000	0.000	0.000	0.293	0.000	0.000	0.000	0.293
W	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
WNW	0.000	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000	0.098
NW	0.000	0.000	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.098
NNW	0.000	0.000	0.000	0.000	0.000	0.146	0.049	0.000	0.000	0.195
TOTALS	0.000	0.049	0.147	0.342	1.368	2.196	0.098	0.000	0.000	4.200

STABILITY CLASS B

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.049	0.098	0.146	0.000	0.000	0.000	0.293
NNE	0.000	0.000	0.000	0.195	0.683	0.439	0.000	0.000	0.000	1.317
NE	0.000	0.000	0.098	0.390	0.244	0.049	0.000	0.000	0.000	0.781
ENE	0.000	0.000	0.098	0.098	0.049	0.000	0.000	0.000	0.000	0.245
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.049
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.049	0.000	0.049	0.000	0.000	0.000	0.098
SSW	0.000	0.000	0.049	0.098	0.146	0.098	0.000	0.000	0.000	0.391
SW	0.000	0.000	0.000	0.049	0.146	0.049	0.000	0.000	0.000	0.244
WSW	0.000	0.000	0.000	0.000	0.049	0.098	0.000	0.000	0.000	0.147
W	0.000	0.000	0.049	0.000	0.000	0.049	0.000	0.000	0.000	0.098
WNW	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.049
NW	0.000	0.000	0.000	0.000	0.098	0.098	0.000	0.000	0.000	0.196
NNW	0.000	0.000	0.000	0.049	0.000	0.098	0.049	0.000	0.000	0.196
TOTALS	0.000	0.000	0.294	1.026	1.562	1.173	0.049	0.000	0.000	4.103

TABLE 3 (continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.146	0.098	0.049	0.000	0.000	0.000	0.293
NNE	0.000	0.000	0.098	0.293	0.536	0.488	0.000	0.000	0.000	1.415
NE	0.000	0.000	0.146	0.244	0.098	0.098	0.000	0.000	0.000	0.586
ENE	0.000	0.000	0.146	0.195	0.049	0.000	0.000	0.000	0.000	0.390
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.049	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.098
S	0.000	0.000	0.098	0.049	0.000	0.000	0.000	0.000	0.000	0.147
SSW	0.000	0.000	0.049	0.195	0.195	0.049	0.000	0.000	0.000	0.488
SW	0.000	0.000	0.000	0.244	0.146	0.049	0.000	0.000	0.000	0.439
WSW	0.000	0.000	0.049	0.000	0.049	0.098	0.049	0.049	0.000	0.294
W	0.000	0.000	0.000	0.049	0.049	0.049	0.000	0.000	0.000	0.147
WNW	0.000	0.000	0.000	0.049	0.195	0.049	0.000	0.000	0.000	0.293
NW	0.000	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.098
NNW	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
TOTALS	0.000	0.049	0.586	1.513	1.464	1.027	0.049	0.049	0.000	4.736

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.031	0.049	0.878	0.683	1.121	0.634	0.000	0.000	0.000	3.395
NNE	0.068	0.488	1.560	2.827	3.363	2.778	0.000	0.000	0.000	11.084
NE	0.039	0.146	1.024	0.634	0.244	0.146	0.000	0.000	0.000	2.232
ENE	0.016	0.146	0.341	0.000	0.000	0.000	0.000	0.000	0.000	0.503
E	0.019	0.098	0.488	0.000	0.000	0.000	0.000	0.000	0.000	0.605
ESE	0.011	0.146	0.195	0.000	0.000	0.000	0.000	0.000	0.000	0.352
SE	0.013	0.244	0.146	0.049	0.000	0.000	0.000	0.000	0.000	0.452
SSE	0.015	0.098	0.341	0.244	0.244	0.195	0.000	0.000	0.000	1.137
S	0.040	0.244	0.975	1.365	0.244	0.195	0.000	0.000	0.000	3.062
SSW	0.058	0.341	1.414	2.242	1.414	0.049	0.000	0.000	0.000	5.517
SW	0.066	0.341	1.658	1.754	0.731	0.293	0.146	0.000	0.000	4.989
WSW	0.016	0.098	0.390	0.293	0.195	0.341	0.000	0.000	0.000	1.333
W	0.018	0.195	0.341	0.293	0.634	0.049	0.000	0.000	0.000	1.530
WNW	0.010	0.146	0.146	0.634	0.634	0.049	0.000	0.000	0.000	1.619
NW	0.008	0.146	0.098	0.146	0.683	0.439	0.049	0.000	0.000	1.569
NNW	0.010	0.049	0.244	0.341	0.731	0.732	0.098	0.000	0.000	2.203
TOTALS	0.438	2.974	10.236	11.505	10.236	5.898	0.293	0.000	0.000	41.580

TABLE 3 (continued)

STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.137	0.439	1.170	0.975	0.683	0.146	0.000	0.000	0.000	3.549
NNE	0.220	0.341	2.242	1.560	1.268	0.195	0.000	0.000	0.000	5.825
NE	0.054	0.439	0.195	0.244	0.000	0.049	0.000	0.000	0.000	0.981
ENE	0.025	0.098	0.195	0.000	0.000	0.000	0.000	0.000	0.000	0.318
E	0.037	0.293	0.146	0.000	0.000	0.000	0.000	0.000	0.000	0.476
ESE	0.012	0.146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.158
SE	0.017	0.049	0.146	0.000	0.045	0.000	0.000	0.000	0.000	0.261
SSE	0.033	0.244	0.146	0.000	0.244	0.146	0.000	0.000	0.000	0.813
S	0.062	0.341	0.390	0.390	0.341	0.244	0.000	0.000	0.000	1.767
SSW	0.158	0.244	1.609	0.878	0.195	0.244	0.000	0.000	0.000	3.327
SW	0.137	0.195	1.414	0.878	0.244	0.244	0.000	0.000	0.000	3.111
WSW	0.029	0.195	0.146	0.146	0.146	0.000	0.000	0.000	0.000	0.662
W	0.025	0.146	0.146	0.146	0.049	0.049	0.000	0.000	0.000	0.561
WNW	0.033	0.098	0.293	0.049	0.000	0.049	0.000	0.000	0.000	0.522
NW	0.037	0.146	0.293	0.341	0.049	0.000	0.000	0.000	0.000	0.866
NNW	0.054	0.146	0.488	0.244	0.049	0.146	0.000	0.000	0.000	1.127
TOTALS	1.070	3.559	9.017	5.849	3.316	1.512	0.000	0.000	0.000	24.323

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.022	0.049	0.731	0.341	0.049	0.000	0.000	0.000	0.000	1.192
NNE	0.087	0.585	2.486	0.585	0.146	0.000	0.000	0.000	0.000	3.889
NE	0.050	0.634	1.121	0.049	0.000	0.000	0.000	0.000	0.000	1.853
ENE	0.007	0.244	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.251
E	0.003	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101
ESE	0.001	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.050
SE	0.001	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050
SSE	0.006	0.146	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.201
S	0.011	0.146	0.244	0.000	0.000	0.000	0.000	0.000	0.000	0.401
SSW	0.026	0.146	0.780	0.585	0.049	0.000	0.000	0.000	0.000	1.586
SW	0.018	0.049	0.585	1.024	0.146	0.000	0.000	0.000	0.000	1.821
WSW	0.003	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.101
W	0.003	0.049	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.150
WNW	0.001	0.000	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.099
NW	0.001	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.050
NNW	0.003	0.000	0.098	0.146	0.000	0.000	0.000	0.000	0.000	0.247
TOTALS	0.243	2.194	6.387	2.827	0.390	0.000	0.000	0.000	0.000	12.041

TABLE 3 (continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.004	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.102
NNE	0.114	0.293	2.388	0.244	0.000	0.000	0.000	0.000	0.000	3.039
NE	0.104	0.585	1.852	0.098	0.000	0.000	0.000	0.000	0.000	2.639
ENE	0.015	0.195	0.146	0.000	0.000	0.000	0.000	0.000	0.000	0.356
E	0.012	0.244	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.305
ESE	0.004	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.102
SE	0.008	0.146	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.203
SSE	0.006	0.098	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.153
S	0.012	0.049	0.244	0.000	0.000	0.000	0.000	0.000	0.000	0.305
SSW	0.031	0.146	0.585	0.098	0.000	0.000	0.000	0.000	0.000	0.860
SW	0.025	0.098	0.488	0.244	0.000	0.000	0.000	0.000	0.000	0.855
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.002	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.002	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.051
TOTALS	0.339	2.049	5.948	0.684	0.000	0.000	0.000	0.000	0.000	9.020

TABLE 4

SEQUOYAH NUCLEAR PLANT METEOROLOGICAL DATA
GROUND-LEVEL JOINT
FREQUENCY DISTRIBUTION IN PERCENT
SECOND QUARTER 1987

STABILITY CLASS A

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.000	0.100	0.699	0.100	0.000	0.000	0.899
NNE	0.000	0.000	0.000	0.350	0.549	0.649	0.000	0.000	0.000	1.547
NE	0.000	0.000	0.300	0.200	0.200	0.450	0.000	0.000	0.000	1.150
ENE	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
E	0.000	0.000	0.050	0.100	0.000	0.000	0.000	0.000	0.000	0.150
ESE	0.000	0.000	0.000	0.150	0.000	0.000	0.000	0.000	0.000	0.150
SE	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.100
SSE	0.000	0.000	0.000	0.100	0.050	0.000	0.000	0.000	0.000	0.150
S	0.000	0.000	0.000	0.250	0.549	0.100	0.000	0.000	0.000	0.899
SSW	0.000	0.000	0.100	0.549	1.299	0.749	0.000	0.000	0.000	2.696
SW	0.000	0.000	0.000	0.699	0.749	0.300	0.000	0.000	0.000	1.747
WSW	0.000	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.100
W	0.000	0.000	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.100
WNW	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.050
NW	0.000	0.000	0.000	0.000	0.000	0.150	0.150	0.000	0.000	0.300
NNW	0.000	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.400
TOTALS	0.000	0.000	0.450	2.597	3.745	3.446	0.250	0.000	0.000	10.487

STABILITY CLASS B

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.000	0.050	0.150	0.050	0.000	0.000	0.250
NNE	0.000	0.000	0.000	0.350	0.150	0.000	0.000	0.000	0.000	0.500
NE	0.000	0.000	0.050	0.150	0.000	0.050	0.000	0.000	0.000	0.250
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.100
ESE	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
SE	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.100
SSE	0.000	0.000	0.050	0.050	0.000	0.000	0.050	0.000	0.000	0.150
S	0.000	0.000	0.050	0.400	0.250	0.050	0.000	0.000	0.000	0.750
SSW	0.000	0.000	0.300	0.699	0.350	0.100	0.000	0.000	0.000	1.448
SW	0.000	0.000	0.050	0.949	0.200	0.000	0.000	0.000	0.000	1.199
WSW	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.050
W	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.050
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.050	0.100	0.000	0.000	0.000	0.150
NNW	0.000	0.000	0.000	0.000	0.050	0.150	0.000	0.000	0.000	0.200
TOTALS	0.000	0.000	0.550	2.797	1.100	0.700	0.100	0.000	0.000	5.246

TABLE 4 (continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.200	0.150	0.100	0.000	0.000	0.000	0.450
NNE	0.000	0.000	0.200	0.050	0.100	0.050	0.000	0.000	0.000	0.400
NE	0.000	0.000	0.100	0.200	0.000	0.050	0.000	0.000	0.000	0.350
ENE	0.000	0.000	0.050	0.100	0.000	0.000	0.000	0.000	0.000	0.150
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.200	0.150	0.000	0.000	0.000	0.000	0.000	0.350
SE	0.000	0.000	0.150	0.050	0.000	0.000	0.000	0.000	0.000	0.200
SSE	0.000	0.000	0.300	0.250	0.050	0.000	0.000	0.050	0.000	0.650
S	0.000	0.000	0.150	0.250	0.050	0.000	0.000	0.000	0.000	0.450
SSW	0.000	0.000	0.250	0.899	0.150	0.150	0.000	0.000	0.000	1.448
SW	0.000	0.000	0.500	0.949	0.400	0.050	0.000	0.000	0.000	1.898
WSW	0.000	0.000	0.050	0.000	0.050	0.050	0.000	0.000	0.000	0.150
W	0.000	0.000	0.050	0.100	0.050	0.000	0.000	0.000	0.000	0.200
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.200
NNW	0.000	0.000	0.000	0.100	0.150	0.050	0.050	0.000	0.000	0.350
TOTALS	0.000	0.000	1.999	3.297	1.250	0.600	0.050	0.050	0.000	7.245

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.010	0.150	0.400	0.400	0.699	0.749	0.000	0.000	0.000	2.407
NNE	0.020	0.150	0.899	0.250	0.949	0.450	0.000	0.000	0.000	2.717
NE	0.019	0.200	0.799	0.050	0.250	0.050	0.000	0.000	0.000	1.368
ENE	0.007	0.100	0.250	0.000	0.100	0.000	0.000	0.000	0.000	0.457
E	0.005	0.050	0.200	0.050	0.000	0.000	0.000	0.000	0.000	0.305
ESE	0.011	0.150	0.450	0.150	0.000	0.000	0.000	0.000	0.000	0.761
SE	0.008	0.050	0.400	0.300	0.000	0.050	0.000	0.000	0.000	0.808
SSE	0.023	0.150	1.099	0.150	0.150	0.000	0.150	0.050	0.000	1.771
S	0.055	0.250	2.696	2.397	0.649	0.150	0.000	0.000	0.000	6.197
SSW	0.039	0.150	1.947	3.496	0.450	0.200	0.000	0.000	0.000	6.282
SW	0.033	0.100	1.647	1.498	0.400	0.100	0.000	0.000	0.000	3.779
WSW	0.003	0.100	0.050	0.150	0.050	0.050	0.000	0.000	0.000	0.403
W	0.003	0.000	0.150	0.100	0.050	0.000	0.000	0.000	0.000	0.303
WNW	0.003	0.050	0.100	0.050	0.250	0.050	0.000	0.000	0.000	0.503
NW	0.006	0.150	0.150	0.300	0.350	0.200	0.000	0.000	0.000	1.156
NNW	0.005	0.050	0.200	0.300	0.500	0.599	0.000	0.000	0.000	1.653
TOTALS	0.250	1.849	11.436	9.640	4.845	2.647	0.150	0.050	0.000	30.868

TABLE 4 (continued)

STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.339	1.199	1.697	0.599	0.350	0.100	0.000	0.000	0.000	4.283
NNE	0.205	0.699	1.049	0.500	0.250	0.050	0.000	0.000	0.000	2.752
NE	0.088	0.599	0.150	0.050	0.000	0.000	0.000	0.000	0.000	0.887
ENE	0.035	0.100	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.335
E	0.018	0.050	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.168
ESE	0.012	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.112
SE	0.023	0.150	0.050	0.000	0.050	0.000	0.000	0.000	0.000	0.273
SSE	0.076	0.250	0.400	0.200	0.200	0.150	0.000	0.000	0.000	1.276
S	0.251	0.999	1.149	0.599	0.000	0.000	0.000	0.000	0.000	2.997
SSW	0.380	0.799	2.447	1.149	0.400	0.200	0.000	0.000	0.000	5.374
SW	0.199	0.300	1.398	0.500	0.200	0.100	0.000	0.000	0.000	2.697
WSW	0.105	0.300	0.599	0.300	0.300	0.050	0.000	0.000	0.000	1.653
W	0.070	0.200	0.400	0.150	0.100	0.000	0.000	0.000	0.000	0.920
WNW	0.070	0.350	0.250	0.200	0.000	0.150	0.050	0.000	0.000	1.070
NW	0.064	0.350	0.200	0.350	0.100	0.200	0.000	0.000	0.000	1.264
NNW	0.164	0.699	0.699	0.350	0.300	0.400	0.000	0.000	0.000	2.611
TOTALS	2.098	7.041	10.887	4.945	2.249	1.399	0.050	0.000	0.000	28.671

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.141	0.400	0.699	0.250	0.050	0.000	0.000	0.000	0.000	1.539
NNE	0.256	0.749	1.249	0.200	0.000	0.000	0.000	0.000	0.000	2.453
NE	0.077	0.150	0.450	0.000	0.000	0.000	0.000	0.000	0.000	0.677
ENE	0.032	0.200	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.282
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.006	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056
SE	0.032	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.282
SSE	0.026	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.226
S	0.089	0.200	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.789
SSW	0.179	0.200	1.199	0.150	0.000	0.000	0.000	0.000	0.000	1.727
SW	0.089	0.100	0.599	0.450	0.050	0.000	0.000	0.000	0.000	1.288
WSW	0.051	0.100	0.300	0.050	0.000	0.000	0.000	0.000	0.000	0.501
W	0.026	0.050	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.226
WNW	0.006	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.106
NW	0.032	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.282
NNW	0.058	0.150	0.300	0.100	0.000	0.000	0.000	0.000	0.000	0.608
TOTALS	1.100	2.698	5.894	1.250	0.100	0.000	0.000	0.000	0.000	11.041

TABLE 4 (continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.006	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056
NNE	0.142	0.150	1.049	0.050	0.000	0.000	0.000	0.000	0.000	1.390
NE	0.136	0.500	0.649	0.000	0.000	0.000	0.000	0.000	0.000	1.285
ENE	0.047	0.300	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.447
E	0.047	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.447
ESE	0.018	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168
SE	0.035	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.335
SSE	0.024	0.150	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.224
S	0.041	0.150	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.391
SSW	0.112	0.200	0.749	0.050	0.000	0.000	0.000	0.000	0.000	1.111
SW	0.024	0.100	0.100	0.150	0.000	0.000	0.000	0.000	0.000	0.374
WSW	0.006	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.012	0.050	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.112
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.050
TOTALS	0.650	2.549	2.946	0.250	0.050	0.000	0.000	0.000	0.000	6.445

TABLE 5

SEQUOYAH NUCLEAR PLANT METEOROLOGICAL DATA
GROUND-LEVEL JOINT
FREQUENCY DISTRIBUTION IN PERCENT
THIRD QUARTER 1987

STABILITY CLASS A

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.099	0.247	0.345	0.247	0.000	0.000	0.000	0.938
NNE	0.000	0.000	0.148	0.888	1.036	0.049	0.000	0.000	0.000	2.121
NE	0.000	0.000	0.394	1.085	0.197	0.000	0.000	0.000	0.000	1.676
ENE	0.000	0.000	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.148
E	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.099
ESE	0.000	0.000	0.148	0.049	0.000	0.000	0.000	0.000	0.000	0.197
SE	0.000	0.000	0.049	0.148	0.000	0.000	0.000	0.000	0.000	0.197
SSE	0.000	0.000	0.049	0.247	0.049	0.000	0.000	0.000	0.000	0.345
S	0.000	0.000	0.099	0.099	0.197	0.000	0.000	0.000	0.000	0.395
SSW	0.000	0.000	0.099	0.789	0.345	0.197	0.000	0.000	0.000	1.430
SW	0.000	0.000	0.049	0.740	0.296	0.099	0.000	0.000	0.000	1.184
WSW	0.000	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.099
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.099	0.000	0.049	0.000	0.000	0.000	0.148
NW	0.000	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.000	0.098
NNW	0.000	0.000	0.000	0.049	0.099	0.099	0.000	0.000	0.000	0.247
TOTALS	0.000	0.000	1.381	4.588	2.613	0.740	0.000	0.000	0.000	9.322

STABILITY CLASS B

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.247	0.148	0.049	0.000	0.000	0.000	0.444
NNE	0.000	0.000	0.197	0.542	0.247	0.000	0.000	0.000	0.000	0.986
NE	0.000	0.000	0.247	0.099	0.000	0.000	0.000	0.000	0.000	0.346
ENE	0.000	0.000	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.148
E	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.099
ESE	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.098
SE	0.000	0.000	0.148	0.099	0.000	0.000	0.000	0.000	0.000	0.247
SSE	0.000	0.000	0.197	0.099	0.000	0.000	0.000	0.000	0.000	0.296
S	0.000	0.000	0.148	0.444	0.000	0.000	0.000	0.000	0.000	0.592
SSW	0.000	0.000	0.296	0.838	0.542	0.000	0.000	0.000	0.000	1.676
SW	0.000	0.000	0.049	0.444	0.049	0.000	0.000	0.000	0.000	0.542
WSW	0.000	0.000	0.049	0.099	0.099	0.000	0.000	0.000	0.000	0.247
W	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.049
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.148	0.000	0.000	0.000	0.000	0.148
NNW	0.000	0.000	0.049	0.099	0.197	0.049	0.000	0.000	0.000	0.394
TOTALS	0.000	0.000	1.676	3.059	1.479	0.098	0.000	0.000	0.000	6.312

TABLE 5 (continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.197	0.296	0.197	0.000	0.000	0.000	0.000	0.690
NNE	0.000	0.000	0.789	0.493	0.197	0.000	0.000	0.000	0.000	1.479
NE	0.000	0.000	0.542	0.099	0.000	0.000	0.000	0.000	0.000	0.641
ENE	0.000	0.000	0.197	0.049	0.000	0.000	0.000	0.000	0.000	0.246
E	0.000	0.000	0.099	0.049	0.000	0.000	0.000	0.000	0.000	0.148
ESE	0.000	0.000	0.197	0.049	0.000	0.000	0.000	0.000	0.000	0.246
SE	0.000	0.000	0.148	0.049	0.000	0.000	0.000	0.000	0.000	0.197
SSE	0.000	0.000	0.148	0.197	0.000	0.000	0.000	0.000	0.000	0.345
S	0.000	0.000	0.148	0.394	0.099	0.000	0.000	0.000	0.000	0.641
SSW	0.000	0.049	0.197	1.085	0.197	0.000	0.000	0.000	0.000	1.528
SW	0.000	0.000	0.296	0.493	0.000	0.000	0.000	0.000	0.000	0.789
WSW	0.000	0.000	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.098
W	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.148	0.049	0.000	0.000	0.000	0.000	0.197
NNW	0.000	0.000	0.000	0.247	0.148	0.000	0.000	0.000	0.000	0.395
TOTALS	0.000	0.049	3.056	3.697	0.887	0.000	0.000	0.000	0.000	7.689

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.005	0.148	0.789	0.345	0.197	0.049	0.000	0.000	0.000	1.533
NNE	0.004	0.049	0.789	1.036	0.345	0.000	0.000	0.000	0.000	2.223
NE	0.005	0.197	0.740	0.148	0.000	0.000	0.000	0.000	0.000	1.090
ENE	0.001	0.000	0.148	0.049	0.000	0.000	0.000	0.000	0.000	0.198
E	0.000	0.000	0.099	0.049	0.000	0.000	0.000	0.000	0.000	0.148
ESE	0.001	0.000	0.197	0.000	0.000	0.049	0.000	0.000	0.000	0.247
SE	0.001	0.049	0.247	0.049	0.000	0.000	0.000	0.000	0.000	0.346
SSE	0.003	0.099	0.592	0.148	0.049	0.000	0.000	0.000	0.000	0.891
S	0.006	0.049	1.282	2.170	0.740	0.049	0.000	0.000	0.000	4.296
SSW	0.013	0.099	2.564	1.923	0.937	0.049	0.000	0.000	0.000	5.585
SW	0.005	0.049	0.937	0.986	0.148	0.049	0.000	0.000	0.000	2.174
WSW	0.001	0.099	0.099	0.049	0.049	0.000	0.000	0.000	0.000	0.297
W	0.001	0.049	0.148	0.148	0.099	0.049	0.000	0.000	0.000	0.494
WNW	0.000	0.000	0.049	0.148	0.049	0.000	0.000	0.000	0.000	0.246
NW	0.001	0.049	0.099	0.444	0.296	0.000	0.000	0.000	0.000	0.889
NNW	0.002	0.099	0.296	0.444	0.592	0.148	0.000	0.000	0.000	1.581
TOTALS	0.049	1.035	9.075	8.136	3.501	0.442	0.000	0.000	0.000	22.238

TABLE 5 (continued)

STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.442	0.838	3.501	0.986	0.247	0.000	0.000	0.000	0.000	6.014
NNE	0.351	1.085	2.367	0.690	0.000	0.000	0.000	0.000	0.000	4.493
NE	0.105	0.690	0.345	0.000	0.000	0.000	0.000	0.000	0.000	1.140
ENE	0.040	0.296	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.435
E	0.020	0.099	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.218
ESE	0.035	0.247	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.381
SE	0.035	0.197	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.380
SSE	0.095	0.444	0.493	0.000	0.000	0.000	0.000	0.000	0.000	1.032
S	0.181	0.641	1.134	0.345	0.049	0.000	0.000	0.000	0.000	2.350
SSW	0.372	0.592	3.057	0.740	0.099	0.049	0.000	0.000	0.000	4.909
SW	0.246	0.690	1.726	0.641	0.049	0.000	0.000	0.000	0.000	3.352
WSW	0.146	0.345	1.085	0.296	0.099	0.049	0.000	0.000	0.000	2.020
W	0.050	0.197	0.296	0.049	0.000	0.049	0.000	0.000	0.000	0.641
WNW	0.045	0.247	0.197	0.148	0.000	0.000	0.000	0.000	0.000	0.637
NW	0.115	0.197	0.937	0.247	0.000	0.000	0.000	0.000	0.000	1.496
NNW	0.186	0.542	1.282	0.641	0.099	0.000	0.000	0.000	0.000	2.750
TOTALS	2.464	7.347	16.865	4.783	0.642	0.147	0.000	0.000	0.000	32.248

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.185	0.838	4.043	0.493	0.000	0.000	0.000	0.000	0.000	5.559
NNE	0.220	1.726	4.093	0.000	0.000	0.000	0.000	0.000	0.000	6.039
NE	0.047	0.838	0.394	0.000	0.000	0.000	0.000	0.000	0.000	1.279
ENE	0.019	0.345	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.512
E	0.007	0.099	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.205
ESE	0.004	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.103
SE	0.024	0.592	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.665
SSE	0.011	0.247	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.307
S	0.028	0.247	0.493	0.049	0.000	0.000	0.000	0.000	0.000	0.817
SSW	0.047	0.000	1.233	0.049	0.000	0.000	0.000	0.000	0.000	1.329
SW	0.034	0.345	0.542	0.000	0.000	0.000	0.000	0.000	0.000	0.921
WSW	0.013	0.049	0.296	0.000	0.000	0.000	0.000	0.000	0.000	0.358
W	0.006	0.000	0.148	0.099	0.000	0.000	0.000	0.000	0.000	0.253
WNW	0.006	0.049	0.099	0.099	0.000	0.000	0.000	0.000	0.000	0.253
NW	0.011	0.049	0.247	0.049	0.000	0.000	0.000	0.000	0.000	0.356
NNW	0.030	0.099	0.690	0.345	0.049	0.049	0.000	0.000	0.000	1.262
TOTALS	0.692	5.622	12.623	1.183	0.049	0.049	0.000	0.000	0.000	20.218

TABLE 5 (continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									TOTALS
	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	
N	0.000	0.049	0.197	0.000	0.000	0.000	0.000	0.000	0.000	0.246
NNE	0.000	0.099	0.592	0.000	0.000	0.000	0.000	0.000	0.000	0.691
NE	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
ENE	0.000	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.148
E	0.000	0.197	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.197
ESE	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
SE	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
SSE	0.000	0.099	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.148
S	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
SSW	0.000	0.000	0.148	0.049	0.000	0.000	0.000	0.000	0.000	0.197
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.000	0.889	1.035	0.049	0.000	0.000	0.000	0.000	0.000	1.973

TABLE 6

SEQUOYAH NUCLEAR PLANT METEOROLOGICAL DATA
GROUND-LEVEL JOINT
FREQUENCY DISTRIBUTION IN PERCENT
FOURTH QUARTER 1987

STABILITY CLASS A

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.000	0.048	0.820	0.096	0.000	0.000	0.964
NNE	0.000	0.000	0.048	0.289	0.627	0.096	0.000	0.000	0.000	1.060
NE	0.000	0.000	0.096	0.386	0.048	0.096	0.000	0.000	0.000	0.626
ENE	0.000	0.000	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.144
E	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000	0.096
S	0.000	0.000	0.000	0.048	0.145	0.048	0.000	0.000	0.000	0.241
SSW	0.000	0.000	0.048	0.096	0.434	0.193	0.000	0.000	0.000	0.771
SW	0.000	0.000	0.048	0.338	0.917	0.193	0.000	0.000	0.000	1.496
WSW	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.096
W	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.096
WNW	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.000	0.000	0.145
NW	0.000	0.000	0.000	0.000	0.000	0.289	0.000	0.000	0.000	0.289
NNW	0.000	0.000	0.000	0.000	0.096	0.434	0.000	0.000	0.000	0.530
TOTALS	0.000	0.000	0.336	1.301	2.316	2.555	0.096	0.000	0.000	6.604

STABILITY CLASS B

	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED									
SECTOR	0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.000	0.096	0.145	0.241	0.000	0.000	0.000	0.482
NNE	0.000	0.000	0.096	0.145	0.338	0.241	0.048	0.000	0.000	0.868
NE	0.000	0.000	0.145	0.289	0.000	0.000	0.000	0.000	0.000	0.434
ENE	0.000	0.000	0.000	0.193	0.000	0.000	0.000	0.000	0.000	0.193
E	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.096
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.096
SSE	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.096
S	0.000	0.000	0.048	0.000	0.048	0.096	0.000	0.000	0.000	0.192
SSW	0.000	0.000	0.096	0.193	0.000	0.048	0.000	0.000	0.000	0.337
SW	0.000	0.000	0.048	0.289	0.145	0.096	0.000	0.000	0.000	0.578
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
NNW	0.000	0.000	0.048	0.000	0.048	0.145	0.000	0.000	0.000	0.241
TOTALS	0.000	0.000	0.625	1.349	0.820	0.867	0.048	0.000	0.000	3.710

TABLE 6 (continued)

STABILITY CLASS C

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.000	0.000	0.048	0.048	0.048	0.241	0.000	0.000	0.000	0.385
NNE	0.000	0.000	0.338	0.241	0.145	0.096	0.000	0.000	0.000	0.820
NE	0.000	0.000	0.338	0.193	0.048	0.000	0.000	0.000	0.000	0.579
ENE	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.048
E	0.000	0.000	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.145
ESE	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.048
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.048
S	0.000	0.000	0.096	0.145	0.145	0.145	0.000	0.000	0.000	0.531
SSW	0.000	0.000	0.145	0.145	0.338	0.193	0.096	0.000	0.000	0.917
SW	0.000	0.000	0.241	0.482	0.096	0.096	0.000	0.000	0.000	0.915
WSW	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.048
W	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.096
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.048	0.193	0.000	0.000	0.000	0.241
NNW	0.000	0.000	0.000	0.000	0.048	0.096	0.000	0.000	0.000	0.144
TOTALS	0.000	0.000	1.447	1.254	0.916	1.252	0.096	0.000	0.000	4.966

STABILITY CLASS D

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.004	0.000	0.675	1.061	0.627	1.158	0.289	0.000	0.000	3.820
NNE	0.022	0.096	1.544	1.785	0.820	0.193	0.048	0.000	0.000	4.509
NE	0.018	0.145	1.206	0.096	0.000	0.000	0.000	0.000	0.000	1.465
ENE	0.005	0.145	0.193	0.000	0.000	0.000	0.000	0.000	0.000	0.343
E	0.001	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.097
ESE	0.001	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.049
SE	0.002	0.000	0.145	0.000	0.048	0.000	0.000	0.000	0.000	0.195
SSE	0.002	0.000	0.145	0.048	0.048	0.241	0.000	0.000	0.000	0.484
S	0.006	0.048	0.386	0.289	0.145	0.338	0.000	0.000	0.000	1.212
SSW	0.007	0.000	0.531	1.206	0.917	0.145	0.000	0.000	0.000	2.807
SW	0.009	0.048	0.627	1.302	1.013	0.289	0.048	0.000	0.000	3.337
WSW	0.004	0.000	0.289	0.241	0.048	0.096	0.000	0.000	0.000	0.678
W	0.001	0.000	0.096	0.338	0.193	0.145	0.000	0.000	0.000	0.773
WNW	0.003	0.048	0.145	0.241	0.241	0.386	0.000	0.000	0.000	1.064
NW	0.002	0.000	0.145	0.386	0.482	0.434	0.000	0.000	0.000	1.449
NNW	0.005	0.096	0.289	0.338	0.386	1.206	0.000	0.000	0.000	2.321
TOTALS	0.097	0.626	6.562	7.373	4.969	4.632	0.385	0.000	0.000	24.605

TABLE 6 (continued)

STABILITY CLASS E

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.074	0.338	1.688	1.785	0.675	0.434	0.000	0.000	0.000	4.995
NNE	0.087	0.289	2.075	1.302	0.145	0.048	0.000	0.000	0.000	3.946
NE	0.021	0.096	0.482	0.000	0.000	0.000	0.000	0.000	0.000	0.599
ENE	0.009	0.193	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.250
E	0.011	0.193	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.300
ESE	0.004	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100
SE	0.007	0.145	0.048	0.000	0.000	0.048	0.000	0.000	0.000	0.248
SSE	0.012	0.145	0.193	0.096	0.241	0.193	0.096	0.000	0.000	0.976
S	0.048	0.289	1.013	0.482	0.434	0.289	0.048	0.000	0.000	2.604
SSW	0.090	0.338	2.124	2.220	0.965	0.482	0.000	0.000	0.000	6.219
SW	0.067	0.193	1.640	1.206	0.531	0.386	0.048	0.000	0.000	4.072
WSW	0.011	0.048	0.241	0.096	0.096	0.048	0.000	0.000	0.000	0.540
W	0.018	0.193	0.289	0.289	0.145	0.145	0.000	0.000	0.000	1.079
WNW	0.019	0.145	0.386	0.338	0.193	0.145	0.000	0.000	0.000	1.226
NW	0.016	0.145	0.289	0.531	0.434	0.145	0.000	0.000	0.000	1.560
NNW	0.037	0.289	0.724	0.965	0.531	0.338	0.000	0.000	0.000	2.885
TOTALS	0.531	3.136	11.337	9.311	4.391	2.702	0.192	0.000	0.000	31.600

STABILITY CLASS F

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.207	0.917	2.799	0.096	0.000	0.000	0.000	0.000	0.000	4.019
NNE	0.344	1.931	4.246	0.193	0.000	0.000	0.000	0.000	0.000	6.714
NE	0.059	0.531	0.531	0.000	0.000	0.000	0.000	0.000	0.000	1.121
ENE	0.019	0.145	0.193	0.000	0.000	0.000	0.000	0.000	0.000	0.357
E	0.005	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.101
ESE	0.019	0.338	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.357
SE	0.019	0.241	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.356
SSE	0.022	0.193	0.193	0.048	0.000	0.000	0.000	0.000	0.000	0.456
S	0.038	0.289	0.386	0.000	0.000	0.000	0.000	0.000	0.000	0.713
SSW	0.081	0.289	1.158	0.289	0.193	0.000	0.000	0.000	0.000	2.011
SW	0.062	0.048	1.061	0.386	0.048	0.000	0.000	0.000	0.000	1.605
WSW	0.003	0.000	0.048	0.145	0.000	0.000	0.000	0.000	0.000	0.196
W	0.005	0.048	0.048	0.145	0.000	0.000	0.000	0.000	0.000	0.246
WNW	0.005	0.000	0.096	0.145	0.048	0.000	0.000	0.000	0.000	0.294
NW	0.008	0.000	0.145	0.193	0.000	0.000	0.000	0.000	0.000	0.346
NNW	0.022	0.048	0.338	0.724	0.048	0.000	0.000	0.000	0.000	1.180
TOTALS	0.918	5.066	11.387	2.365	0.337	0.000	0.000	0.000	0.000	20.073

TABLE 6 (continued)

STABILITY CLASS G

SECTOR	WIND SPEEDS IN METERS PER SECOND FROM THE SECTORS INDICATED 0.13	0.45	1.10	1.99	2.88	4.45	6.91	9.59	10.95	TOTALS
N	0.054	0.145	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.344
NNE	0.421	0.531	1.737	0.096	0.000	0.000	0.000	0.000	0.000	2.786
NE	0.161	0.386	0.482	0.000	0.000	0.000	0.000	0.000	0.000	1.029
ENE	0.072	0.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.458
E	0.027	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.172
ESE	0.027	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.171
SE	0.027	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.171
SSE	0.099	0.386	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.630
S	0.063	0.193	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.401
SSW	0.224	0.241	0.965	0.048	0.000	0.000	0.000	0.000	0.000	1.478
SW	0.072	0.000	0.386	0.096	0.000	0.000	0.000	0.000	0.000	0.554
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.009	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.105
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.096
NNW	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
TOTALS	1.256	2.606	4.150	0.432	0.000	0.000	0.000	0.000	0.000	8.444

TABLE 7

SEQUOYAH NUCLEAR PLANT - INDIVIDUAL DOSES FROM GASEOUS EFFLUENTS FIRST QUARTER 1987

Effluent	Pathway	Guideline*	Point	Dose
Noble gases	γ Air dose	10	Max. Exp. [1]	4.2×10^{-7} mrad
	β Air dose	20	Max. Exp. [1]	3.0×10^{-5} mrad
	Total body[2]	5	Residence	0.0 mrem
	Skin[2]	15	Residence	0.0 mrem
Iodines/ particulates	G. I. Tract (critical organ)	15	Real Pathway[3]	3.7×10^{-3}

Breakdown of Iodine/Particulate Exposure (mrem)

	Child	Adult
Vegetable ingestion	1.9×10^{-3}	1.7×10^{-3}
Beef ingestion[4]	1.2×10^{-4}	2.3×10^{-4}
Inhalation	4.3×10^{-4}	3.3×10^{-4}
Ground contamination	1.2×10^{-3}	1.2×10^{-3}
Total	3.7×10^{-3}	3.5×10^{-3}

*These are the annual guidelines per unit defined by Appendix I to 10 CFR 50.

1. Maximum exposure point is at 1,840 meters in the SSW sector.
2. Dose from air submersion.
3. Receptor is located at 2290 meters in the SSW sector.
4. Pathway is located at 1,840 meters in the SSW sector.

TABLE 8

SEQUOYAH NUCLEAR PLANT - INDIVIDUAL DOSES FROM GASEOUS EFFLUENTS
SECOND QUARTER 1987

Effluent	Pathway	Guideline*	Point	Dose
Noble gases	γ Air dose	10	Max. Exp. [1]	4.8×10^{-7} mrad
	ß Air dose	20	Max. Exp. [1]	1.0×10^{-4} mrad
	Total body[2]	5	Residence	0.0 mrem
	Skin[2]	15	Residence	0.0 mrem
Iodines/ particulates	G. I. tract (critical organ)	15	Real Pathway[3]	6.0×10^{-3}

Breakdown of Iodine/Particulate Exposure (mrem)

	Child	Adult
Vegetable ingestion	3.6×10^{-3}	2.5×10^{-3}
Beef ingestion[4]	3.3×10^{-4}	5.3×10^{-4}
Inhalation	1.1×10^{-3}	8.6×10^{-4}
Ground contamination	9.5×10^{-4}	9.5×10^{-4}
Total	6.0×10^{-3}	4.8×10^{-3}

*These are the annual guidelines per unit defined by Appendix I to 10 CFR 50.

1. Maximum exposure point is at 950 meters in the N sector.
2. Dose from air submersion.
3. Receptor is at 1,370 meters in the N sector.
4. Pathway is located at 950 meters in the N sector.

TABLE 9

SEQUOYAH NUCLEAR PLANT - INDIVIDUAL DOSES FROM GASEOUS EFFLUENTS
THIRD QUARTER 1987

Effluent	Pathway	Guideline*	Point	Dose
Noble gases	γ Air dose	10	Max. Exp. [1]	5.1×10^{-7} mrad
	β Air dose	20	Max. Exp. [1]	1.4×10^{-4} mrad
	Total body[2]	5	Residence	0.0 mrem
	Skin[2]	15	Residence	0.0 mrem
Iodines/ particulates	G. I. Tract (critical organ)	15	Real Pathway[3]	8.2×10^{-3}

Breakdown of Iodine/Particulate Exposure (mrem)

	Child	Adult
Vegetable ingestion	5.2×10^{-3}	3.3×10^{-3}
Beef ingestion[1]	4.3×10^{-4}	6.5×10^{-4}
Inhalation	1.7×10^{-3}	1.3×10^{-3}
Ground contamination	8.6×10^{-4}	8.6×10^{-4}
Total	8.2×10^{-3}	6.1×10^{-3}

*These are the annual guidelines per unit defined by Appendix I to 10 CFR 50.

1. Maximum exposure point is at 1,870 meters in the S sector.
2. Dose from air submersion.
3. Receptor is at 2,290 meters in the SSW sector.

TABLE 10

SEQUOYAH NUCLEAR PLANT - INDIVIDUAL DOSES FROM GASEOUS EFFLUENTS
FOURTH QUARTER 1987

Effluent	Pathway	Guideline*	Point	Dose
Noble gases	γ Air dose	10	Max. Exp. [1]	8.1×10^{-7} mrad
	β Air dose	20	Max. Exp. [1]	7.6×10^{-5} mrad
	Total body[2]	5	Residence	0.0 mrem
	Skin[2]	15	Residence	0.0 mrem
Iodines/				
- 'culates	G. I. Tract	15	Real	6.4×10^{-3}
	(critical organ)		Pathway[3]	

Bl. . .n of Iodine/Particulate Exposure (mrem)

	Child	Teen
Vegetable ingestion	6.3×10^{-3}	3.1×10^{-3}
Beef ingestion[1]	4.8×10^{-4}	2.5×10^{-4}
Inhalation	2.2×10^{-3}	8.4×10^{-4}
Ground contamination	7.1×10^{-3}	1.3×10^{-3}
Total	9.7×10^{-3}	5.4×10^{-3}

*These are the annual guidelines per unit defined by Appendix I to 10 CFR 50.

1. Maximum exposure point is at 1840 meters in the SSW sector.
2. Dose from air submersion.
3. Receptor is at 2290 meters in the SSW sector.

TABLE 11

SQN -- TOTAL PLANT RELEASES 1987
POPULATION DOSES

	G.I. TRACT					LUNG				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
GROUND	1.09E-04	6.78E-04	4.31E-04	2.00E-03	3.21E-03	1.09E-04	6.78E-04	4.31E-04	2.00E-03	3.21E-03
INHALATION	8.96E-05	1.45E-03	7.04E-04	3.28E-03	5.52E-03	1.17E-04	1.84E-03	9.09E-04	3.93E-03	6.80E-03
COW MILK	7.17E-05	2.96E-04	9.94E-05	4.58E-04	9.25E-04	7.14E-05	2.93E-04	9.73E-05	4.47E-04	9.09E-04
BEEF INGESTION	0.00E+00	2.27E-04	1.35E-04	1.02E-03	1.38E-03	0.00E+00	2.07E-04	1.10E-04	8.11E-04	1.13E-03
VEG INGESTION	0.00E+00	2.03E-04	1.19E-04	8.46E-04	1.17E-03	0.00E+00	1.90E-04	1.02E-04	7.12E-04	1.00E-03
TOTAL MAN-REM	2.70E-04	2.85E-03	1.49E-03	7.60E-03	1.22E-02	2.97E-04	3.21E-03	1.65E-03	7.90E-03	1.30E-02

SQN -- TOTAL PLANT RELEASES 2087
POPULATION DOSES

	G.I. TRACT					LUNG				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
GROUND	4.88E-05	3.04E-04	1.94E-04	8.97E-04	1.44E-03	4.88E-05	3.04E-04	1.94E-04	8.97E-04	1.44E-03
INHALATION	1.77E-04	2.86E-03	1.38E-03	6.46E-03	1.09E-02	1.95E-04	3.11E-03	1.52E-03	6.87E-03	1.17E-02
COW MILK	2.14E-04	8.79E-04	2.93E-04	1.35E-03	2.73E-03	2.13E-04	8.77E-04	2.91E-04	1.34E-03	2.72E-03
BEEF INGESTION	0.00E+00	4.18E-04	2.28E-04	1.70E-03	2.34E-03	0.00E+00	4.09E-04	2.17E-04	1.60E-03	2.23E-03
VEG INGESTION	0.00E+00	3.81E-04	2.09E-04	1.47E-03	2.06E-03	0.00E+00	3.75E-04	2.01E-04	1.41E-03	1.99E-03
TOTAL MAN-REM	4.40E-04	4.84E-03	2.31E-03	1.19E-02	1.94E-02	4.57E-04	5.08E-03	2.42E-03	1.21E-02	2.01E-02

TABLE 11 (continued)

SQN -- TOTAL PLANT RELEASES 5067
POPULATION DOSES

	G.I. TRACT					LUNG				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
GROUND	8.86E-05	5.52E-04	3.51E-04	1.63E-03	2.62E-03	8.86E-05	5.52E-04	3.51E-04	1.63E-03	2.62E-03
INHALATION	2.23E-04	5.21E-03	2.53E-03	1.18E-02	1.98E-02	3.49E-04	5.59E-03	2.72E-03	1.24E-02	2.11E-02
COW MILK	3.79E-04	1.56E-03	5.18E-04	2.38E-03	4.83E-03	3.78E-04	1.55E-03	5.15E-04	2.37E-03	4.82E-03
BEEF INGESTION	0.00E+00	7.63E-04	4.17E-04	3.09E-03	4.27E-03	0.00E+00	7.47E-04	3.96E-04	2.93E-03	4.07E-03
VEG INGESTION	0.00E+00	6.96E-04	3.82E-04	2.68E-03	3.76E-03	0.00E+00	6.85E-04	3.68E-04	2.57E-03	3.62E-03
TOTAL MAN-REM	7.90E-04	8.78E-03	4.19E-03	2.16E-02	3.53E-02	8.16E-04	9.12E-03	4.35E-03	2.19E-02	3.62E-02

SQN -- TOTAL PLANT RELEASES 4087
POPULATION DOSES

	G.I. TRACT					LUNG				
	INFANT	CHILD	TEEN	ADULT	TOTALS	INFANT	CHILD	TEEN	ADULT	TOTALS
SUBMERSION	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
GROUND	1.20E-04	7.48E-04	4.76E-04	2.21E-03	3.55E-03	1.20E-04	7.48E-04	4.76E-04	2.21E-03	3.55E-03
INHALATION	2.00E-04	3.23E-03	1.57E-03	7.33E-03	1.23E-02	2.47E-04	3.90E-03	1.92E-03	8.42E-03	1.45E-02
COW MILK	1.79E-04	7.36E-04	2.46E-04	1.13E-03	2.29E-03	1.78E-04	7.33E-04	2.43E-04	1.12E-03	2.27E-03
BEEF INGESTION	0.00E+00	4.84E-04	2.73E-04	2.04E-03	2.79E-03	0.00E+00	4.63E-04	2.46E-04	1.81E-03	2.52E-03
VEG INGESTION	0.00E+00	4.39E-04	2.47E-04	1.74E-03	2.43E-03	0.00E+00	4.24E-04	2.28E-04	1.59E-03	2.24E-03
TOTAL MAN-REM	4.99E-04	5.64E-03	2.81E-03	1.44E-02	2.34E-02	5.45E-04	6.27E-03	3.11E-03	1.52E-02	2.51E-02

TABLE 12

LIQUID EFFLUENT DOSES
SEQUOYAH NUCLEAR PLANT ROUTINE RELEASES 1ST QUARTER 1987

	BONE	GI TRACT	THYROID	TOTAL BODY	LIVER	SKIN
I WATER INGESTION AT ICI AMERICA, INC. (VAAP)						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	3.6E-04	3.0E-04	3.1E-04	3.1E-04	3.7E-04	3.1E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	2.4E-04	2.4E-04	2.5E-04	2.5E-04	2.6E-04	2.5E-04
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.6E-02	2.4E-02	2.5E-02	2.5E-02	2.7E-02	2.5E-02
II FISH INGESTION FROM CHICKAMAUGA LAKE BELOW SQN						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.6E-03	2.3E-05	3.7E-04	3.7E-04	2.0E-03	3.7E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.3E-03	7.9E-05	1.7E-03	1.7E-03	2.2E-03	1.7E-03
C. TENNESSEE RIVER POPULATION (MAN-REM)	1.2E-01	5.6E-03	1.2E-01	1.2E-01	1.9E-01	1.2E-01
III RECREATION AT CHICKAMAUGA LAKE BELOW SQN						
A. SHORELINE INDIVIDUAL (MREM)	2.9E-04	2.4E-04	2.2E-04	2.5E-04	2.1E-04	3.0E-04
POPULATION (MAN-REM)	7.3E-03	6.1E-03	5.5E-03	6.4E-03	5.4E-03	7.6E-03
B. IN-WATER INDIVIDUAL (MREM)	1.5E-06	1.3E-06	1.1E-06	1.3E-06	1.1E-06	1.6E-06
POPULATION (MAN-REM)	3.8E-06	3.2E-06	2.9E-06	3.4E-06	2.8E-06	4.0E-06
C. ABOVE-WATER INDIVIDUAL (MREM)	1.5E-06	1.2E-06	1.1E-06	1.3E-06	1.1E-06	1.5E-06
POPULATION (MAN-REM)	1.0E-05	8.5E-06	7.6E-06	8.8E-06	7.5E-06	1.1E-05
IV TOTAL						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	2.5E-03	5.7E-04	9.0E-04	9.4E-04	2.6E-03	9.9E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.8E-03	5.6E-04	2.2E-03	2.2E-03	2.7E-03	2.2E-03
C. TENNESSEE RIVER POPULATION (MAN-REM)	1.5E-01	3.6E-02	1.5E-01	1.5E-01	2.3E-01	1.5E-01

TABLE 13

LIQUID EFFLUENT DOSES
SEQUOYAH NUCLEAR PLANT ROUTINE RELEASES 2ND QUARTER-1987

	BONE	GI TRACT	THYROID	TOTAL BODY	LIVER	SKIN
I. WATER INGESTION AT ICI AMERICA, INC. (VAAP)						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.0E-03	9.6E-04	8.7E-04	8.7E-04	9.2E-04	8.7E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	6.4E-04	9.9E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04
C. TENNESSEE RIVER POPULATION (MAN-REM)	8.0E-02	1.0E-01	7.4E-02	7.4E-02	7.6E-02	7.4E-02
II. FISH INGESTION FROM CHICKAMAUGA LAKE BELOW SQN						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	4.1E-03	2.0E-04	6.9E-04	6.9E-04	4.0E-03	6.9E-04
B. MAXIMUM INDIVIDUAL ADULT (MREM)	3.1E-03	7.8E-04	2.9E-03	2.9E-03	4.2E-03	2.9E-03
C. TENNESSEE RIVER POPULATION (MAN-REM)	3.9E-01	7.0E-02	2.6E-01	2.6E-01	4.8E-01	2.6E-01
III. RECREATION AT CHICKAMAUGA LAKE BELOW SQN						
A. SHORELINE INDIVIDUAL (MREM)	1.5E-02	1.3E-02	1.2E-02	1.4E-02	1.2E-02	1.6E-02
POPULATION (MAN-REM)	4.8E-01	4.2E-01	3.8E-01	4.3E-01	3.6E-01	5.1E-01
B. IN-WATER INDIVIDUAL (MREM)	7.9E-05	6.9E-05	6.2E-05	7.1E-05	6.0E-05	8.4E-05
POPULATION (MAN-REM)	2.5E-04	2.2E-04	2.0E-04	2.2E-04	1.9E-04	2.6E-04
C. ABOVE-WATER INDIVIDUAL (MREM)	7.7E-05	6.7E-05	6.1E-05	6.9E-05	5.8E-05	8.2E-05
POPULATION (MAN-REM)	6.5E-04	5.7E-04	5.1E-04	5.9E-04	4.9E-04	6.9E-04
IV. TOTAL						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	2.1E-02	1.5E-02	1.4E-02	1.6E-02	1.7E-02	1.8E-02
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.9E-02	1.5E-02	1.6E-02	1.7E-02	1.7E-02	2.0E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	9.5E-01	5.9E-01	7.1E-01	7.6E-01	9.2E-01	8.4E-01

TABLE 14

LIQUID EFFLUENT DOSES
SEQUOYAH NUCLEAR PLANT ROUTINE RELEASES - 3RD QUARTER-1987

	BONE	GI TRACT	THYROID	TOTAL BODY	LIVER	SKIN
I. WATER INGESTION AT ICI AMERICA, INC. (VAAP)						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	2.9E-03	1.8E-03	1.8E-03	1.8E-03	2.8E-03	1.8E-03
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.5E-03	2.0E-03	1.6E-03	1.6E-03	1.7E-03	1.6E-03
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.1E-01	2.2E-01	1.8E-01	1.8E-01	2.3E-01	1.8E-01
II. FISH INGESTION FROM CHICKAMAUGA LAKE BELOW SQN						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	3.6E-02	6.8E-04	7.3E-03	7.3E-03	4.1E-02	7.3E-03
B. MAXIMUM INDIVIDUAL ADULT (MREM)	2.7E-02	2.6E-03	3.3E-02	3.3E-02	4.5E-02	3.3E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	3.7E+00	2.6E-01	3.1E+00	3.1E+00	5.4E+00	3.1E+00
III. RECREATION AT CHICKAMAUGA LAKE BELOW SQN						
A. SHORELINE INDIVIDUAL (MREM)	5.5E-02	4.7E-02	4.3E-02	4.9E-02	4.1E-02	5.8E-02
POPULATION (MAN-REM)	1.8E+00	1.6E+00	1.4E+00	1.6E+00	1.4E+00	1.9E+00
B. IN-WATER INDIVIDUAL (MREM)	2.8E-04	2.4E-04	2.2E-04	2.5E-04	2.1E-04	3.0E-04
POPULATION (MAN-REM)	9.5E-04	8.2E-04	7.4E-04	8.5E-04	7.2E-04	1.0E-03
C. ABOVE-WATER INDIVIDUAL (MREM)	2.8E-04	2.4E-04	2.1E-04	2.5E-04	2.1E-04	2.9E-04
POPULATION (MAN-REM)	2.5E-03	2.2E-03	1.9E-03	2.2E-03	1.9E-03	2.6E-03
IV. TOTAL						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	9.5E-02	5.0E-02	5.2E-02	5.9E-02	8.6E-02	6.8E-02
B. MAXIMUM INDIVIDUAL ADULT (MREM)	8.2E-02	5.3E-02	7.7E-02	8.4E-02	8.9E-02	9.3E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	5.8E+00	2.1E+00	4.7E+00	5.0E+00	7.0E+00	5.3E+00

TABLE 15

LIQUID EFFLUENT DOSES
SEQUOYAH NUCLEAR PLANT ROUTINE RELEASES 4TH QUARTER 1987

	BONE	GI TRACT	THYROID	TOTAL BODY	LIVER	SKIN
I. WATER INGESTION AT ICI AMERICA, INC. (VAAP)						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.6E-03	1.2E-03	1.1E-03	1.1E-03	1.4E-03	1.1E-03
B. MAXIMUM INDIVIDUAL ADULT (MREM)	8.4E-04	1.5E-03	8.6E-04	8.6E-04	9.0E-04	8.6E-04
C. TENNESSEE RIVER POPULATION (MAN-REM)	1.1E-01	1.4E-01	9.7E-02	9.7E-02	1.1E-01	9.7E-02
II. FISH INGESTION FROM CHICKAMAUGA LAKE BELOW SQN						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	1.6E-02	4.4E-04	3.1E-03	3.1E-03	1.8E-02	3.1E-03
B. MAXIMUM INDIVIDUAL ADULT (MREM)	1.2E-02	1.7E-03	1.4E-02	1.4E-02	1.9E-02	1.4E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	1.4E+00	1.5E-01	1.2E+00	1.2E+00	2.0E+00	1.2E+00
III. RECREATION AT CHICKAMAUGA LAKE BELOW SQN						
A. SHORELINE INDIVIDUAL (MREM)	2.2E-02	1.9E-02	1.7E-02	1.9E-02	1.6E-02	2.3E-02
POPULATION (MAN-REM)	6.4E-01	5.5E-01	5.0E-01	5.7E-01	4.8E-01	6.8E-01
B. IN-WATER INDIVIDUAL (MREM)	1.1E-04	9.6E-05	8.6E-05	9.9E-05	8.3E-05	1.2E-04
POPULATION (MAN-REM)	3.3E-04	2.9E-04	2.6E-04	3.0E-04	2.5E-04	3.5E-04
C. ABOVE-WATER INDIVIDUAL (MREM)	1.1E-04	9.4E-05	8.5E-05	9.7E-05	8.2E-05	1.1E-04
POPULATION (MAN-REM)	8.7E-04	7.5E-04	6.8E-04	7.8E-04	6.5E-04	9.2E-04
IV. TOTAL						
A. MAXIMUM INDIVIDUAL CHILD (MREM)	3.9E-02	2.0E-02	2.1E-02	2.4E-02	3.5E-02	2.7E-02
B. MAXIMUM INDIVIDUAL ADULT (MREM)	3.5E-02	2.2E-02	3.2E-02	3.4E-02	3.7E-02	3.8E-02
C. TENNESSEE RIVER POPULATION (MAN-REM)	2.2E+00	8.5E-01	1.8E+00	1.8E+00	2.6E+00	1.9E+00

TABLE 16

SEQUOYAH NUCLEAR PLANT

FIVE-YEAR SUMMARY OF QUARTERLY DOSES

				Air Submersion		Real Pathway	Liquid Effluents	
Year	Quarter	Air-q (mrad)	Air-ß (mrad)	Skin (mrem)	TB (mrem)	Max. Organ (mrem)	TB (mrem)	Max. Organ (mrem)
1983	1	0.03	0.18	0.04	0.02	<0.001 bone	0.21	0.34 bone
	2	0.12	0.48	0.21	0.10	0.02 GIT	0.15	0.23 bone
	3	0.07	0.40	0.11	0.05	0.03 bone	0.09	0.20 bone
	4	0.07	0.41	0.09	0.04	0.003 Thyr.	0.11	0.14 liver
1984	1	0.11	0.55	0.19	0.08	0.004 Thyr.	0.04	0.05 liver
	2	0.17	0.94	0.29	0.12	0.04 bone	0.04	0.04 Liver
	3	0.18	0.99	0.26	0.11	0.03 Thyr.	0.13	0.22 bone
	4	0.07	0.39	0.12	0.05	0.005 Thyr.	0.04	0.06 bone
1985	1	0.12	0.65	0.18	0.09	0.018 Thyr.	0.03	0.04 bone
	2	0.10	0.63	0.18	0.07	0.003 Thyr.	0.14	0.21 bone
	3	0.05	0.32	0.08	0.03	0.015 Thyr.	0.17	0.43 bone
	4	<.001	0.001	0.0	0.0	0.018 Thyr.	0.02	0.02 bone
1986	1	<.001	<.001	<.001	<.001	0.004 GIT	0.007	0.009 liver
	2	<.001	<.001	<.001	<.001	0.014 liver	0.018	0.021 liver
	3	<.001	<.001	0.0	0.0	0.010 GIT	0.038	0.044 bone
	4	<.001	<.001	0.0	0.0	0.010 GIT	0.011	0.012 liver
1987	1	<.001	<.001	0.0	0.0	0.004 GIT	0.002	0.003 liver
	2	<.001	<.001	0.0	0.0	0.006 GIT	0.017	0.021 liver
	3	<.001	<.001	0.0	0.0	0.008 GIT	0.084	0.095 bone
	4	<.001	<.001	0.0	0.0	0.006 GIT	0.034	0.039 bone

Figure 1

Sequoyah Quarterly Gaseous Doses
Five-Year Summary of Gamma-air Doses

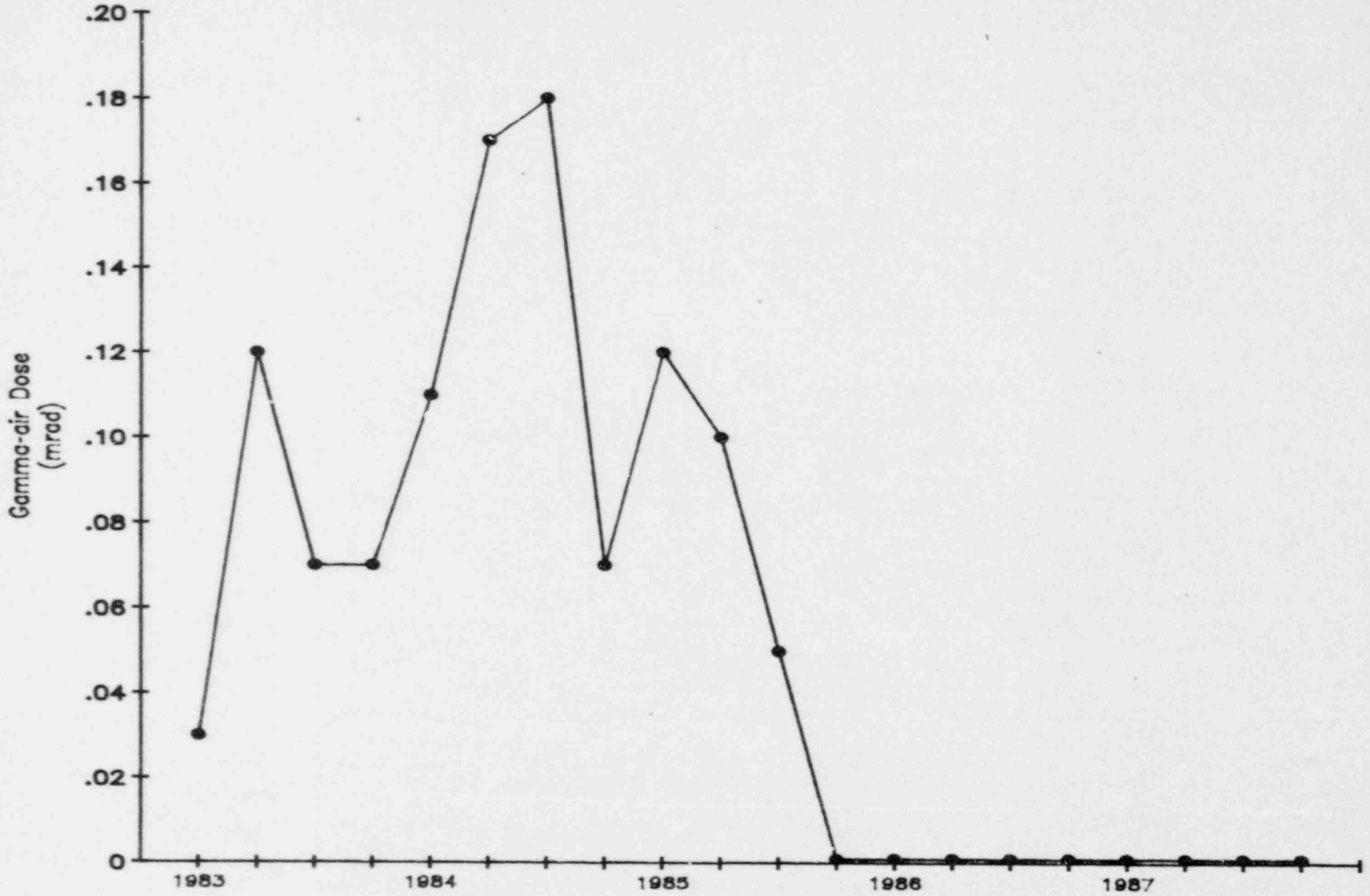


Figure 2

Sequoyah Quarterly Gaseous Doses
Five-Year Summary of Beta-air Doses

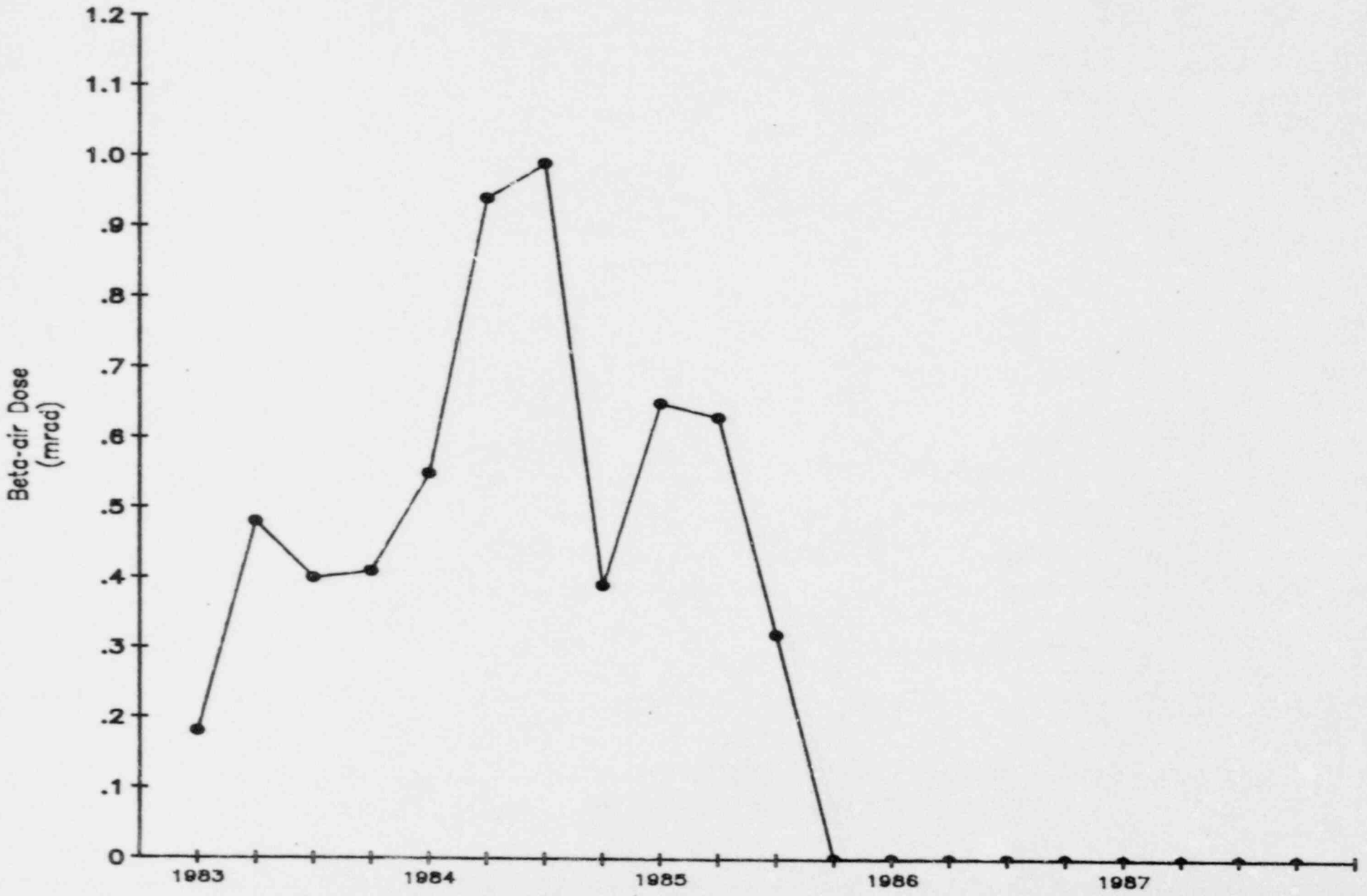


Figure 3

Sequoyah Quarterly Gaseous Doses
Five-Year Summary of Maximum Organ Doses

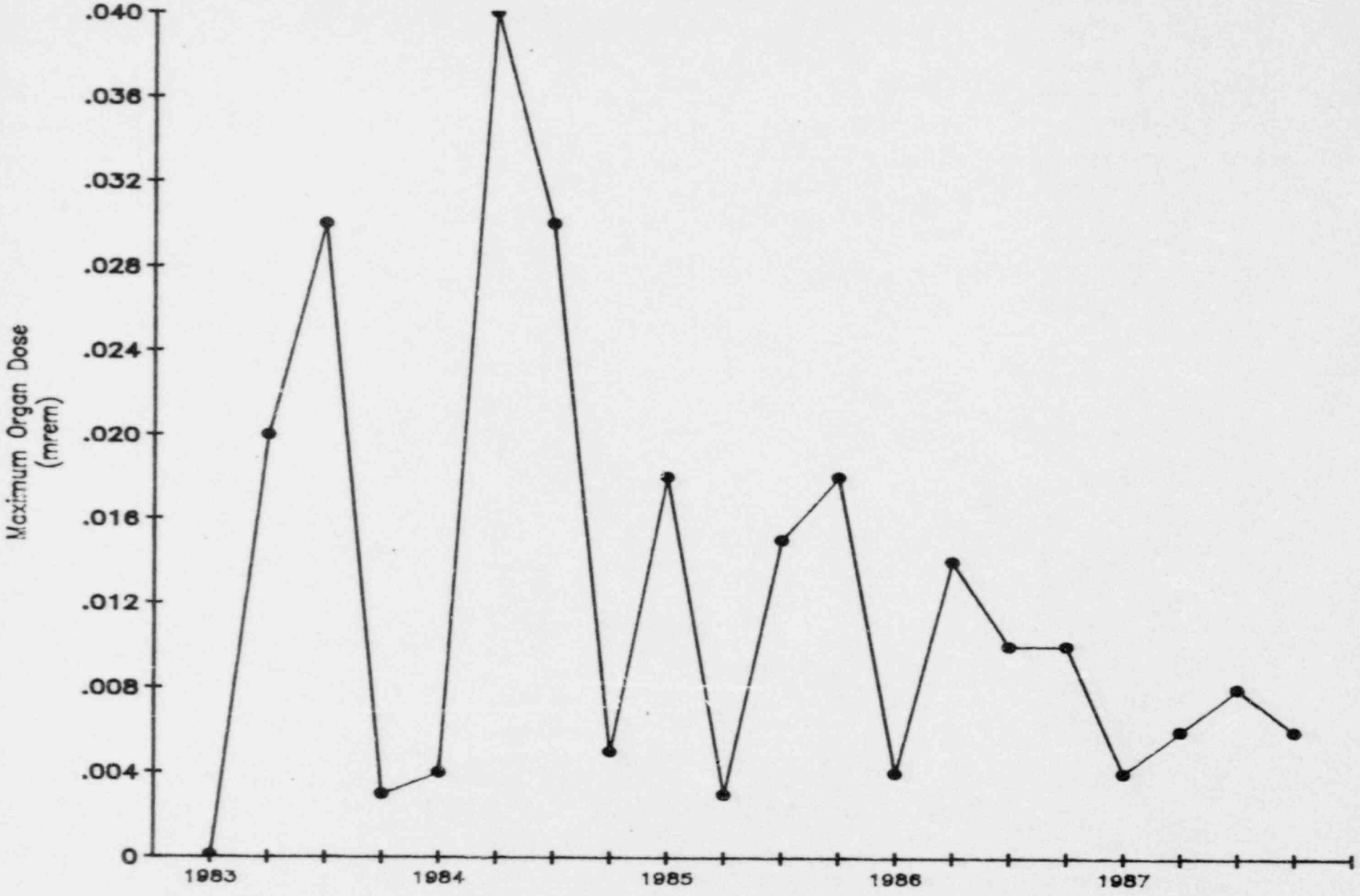


Figure 4

Sequoyah Quarterly Liquid Doses
Five-Year Summary of Total Body Doses

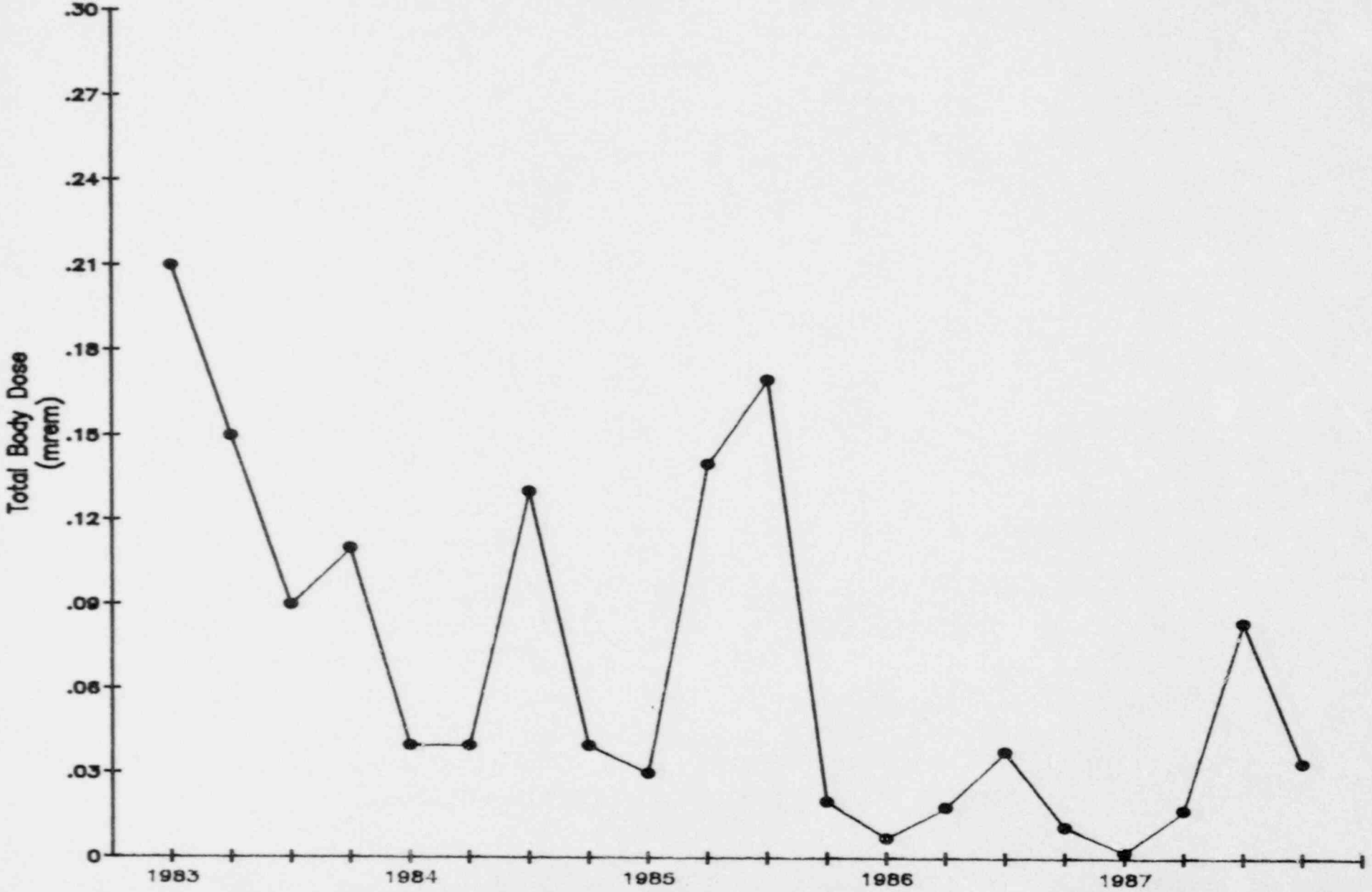
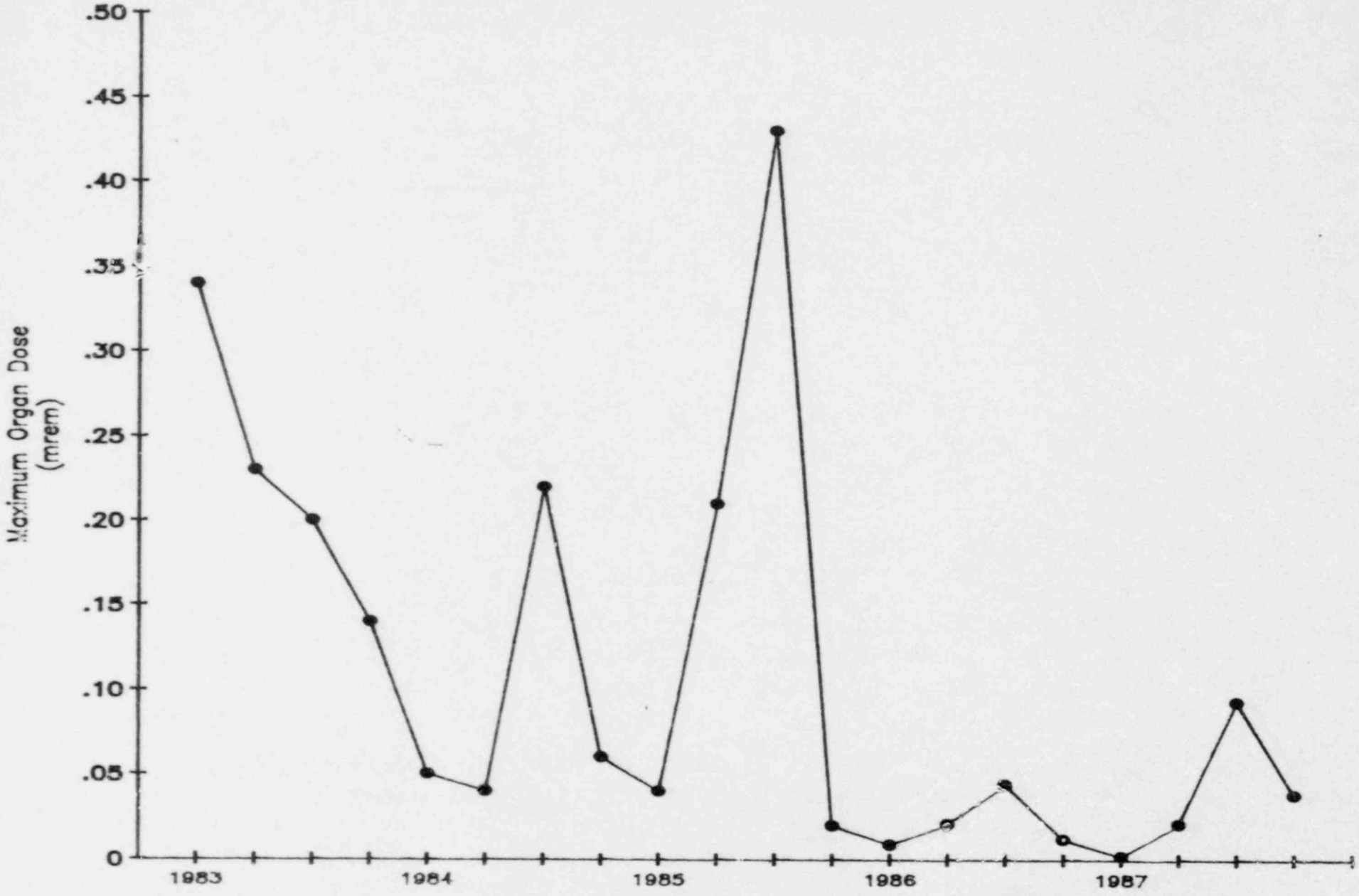


Figure 5

Sequoyah Quarterly Liquid Doses
Five-Year Summary of Maximum Organ Doses



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APR 01 1988

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

Gentlemen:

In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) UNITS 1 AND 2 - RADIOLOGICAL IMPACT ASSESSMENT REPORT - JANUARY THROUGH DECEMBER 1987

In accordance with SQN Technical Specification 6.9.1.9, we are submitting the enclosed Radiological Impact Assessment Report for the period January through December 1987.

This report should have been included with the SQN Semiannual Effluent Report which was transmitted from S. J. Smith to Dr. J. Nelson Grace on February 19, 1988. K. P. Barr, NRC-Region II, was notified of this omission by telephone on March 21, 1988. We apologize for the delay in providing this information.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. Gridley, Director
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

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1/1

U.S. Nuclear Regulatory Commission

APR 01 1988

cc (Enclosure):
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