Omaha Public Power District
Fort Calhoun Station Unit No. 1

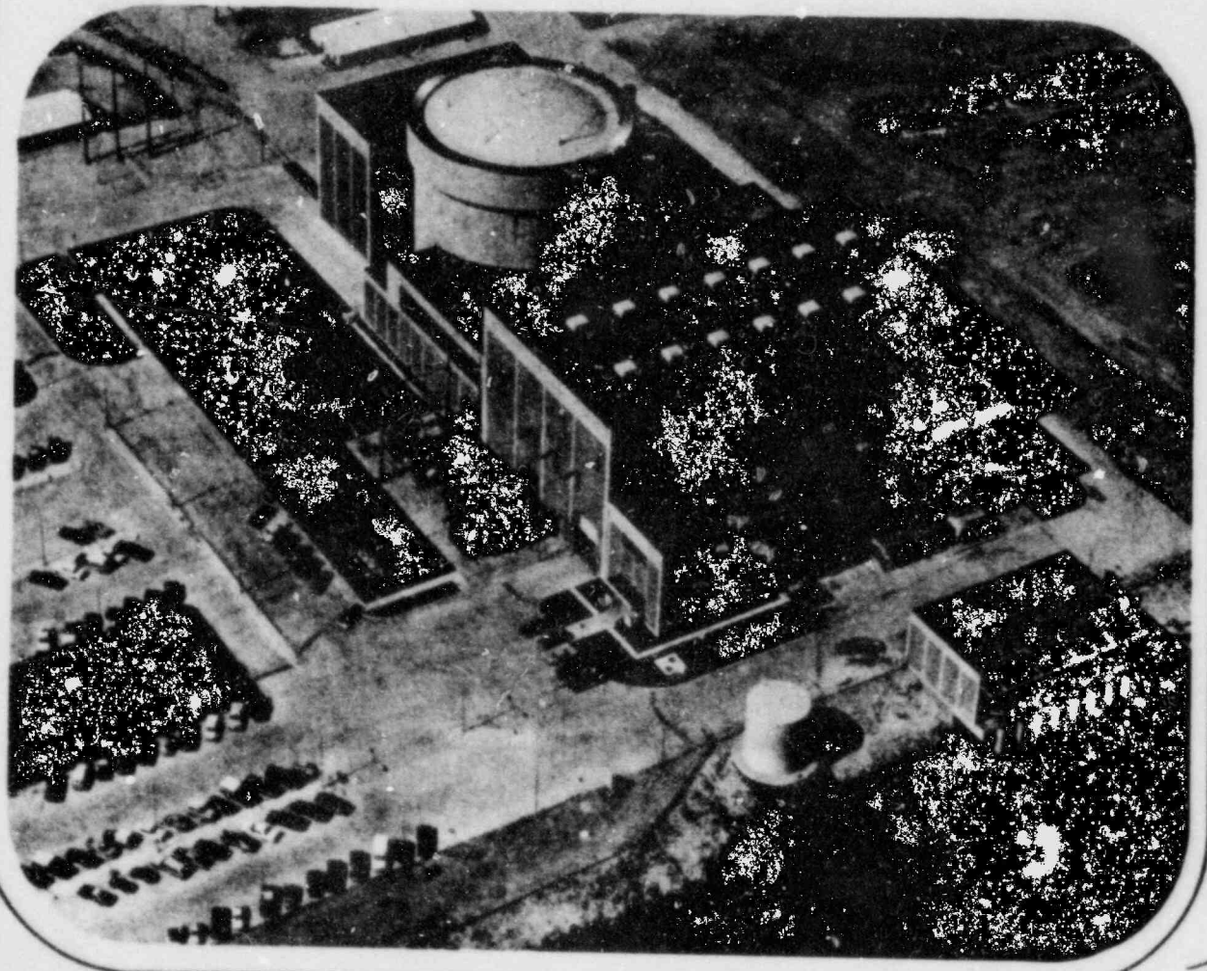
Semi Annual Report

for

Technical Specification

Section 5.9.4

January 1, 1984 to June 30, 1984 inclusive



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Docket No. 50-285

Operating License No. DPR-40

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INTRODUCTION

This report is submitted in accordance with Section 5.9.4 of the Technical Specifications of the Fort Calhoun Station Unit No. 1, Facility Operating License DPR-40.

This report covers the period of January 1, 1984 through June 30, 1984 for the Semi-Annual Report for Technical Specification 5.9.4.

W. G. Gates
Manager
Fort Calhoun Station

SECTION I

RADIOACTIVE EFFLUENT RELEASES - GASEOUS EFFLUENTS

TECHNICAL SPECIFICATION 5.9.4.a.1

Table 1A	Gaseous Effluents - Summation of All Releases
Table 1B	Not Applicable
Table 1C	Gaseous Effluents - Summation of All Releases

January 1, 1984 to June 30, 1984

I. Radioactive Effluent Releases

A. GASEOUS EFFLUENTS

Radioactive gaseous releases for the reporting period totalled 326.05 Curies of inert gases. The highest release rate was 1.08E+03 μCi/sec. or 1.30% of the Technical Specification limit (83,000 μCi/sec.). Averaged over each calendar quarter of the reporting period, the gross gaseous activity release rates were 4.07E+01 μCi/sec. or 0.05% and 7.70E-01 μCi/sec. or 9.3E-04% for each quarter respectively of the maximum release rate of the Technical Specifications (83,000 μCi/sec.). This is 0.31% and 5.8E-03% repsectively of the 16% value specified (13,280 μCi/sec.).

Radioactive halogens and particulates with half-lives greater than eight days released during the reporting period totalled 6.82E-03 Curies. The highest release rate for halogens with half-lives greater than eight days for Waste Gas Decay Tanks released prior to 30 days of isolation was 4.78E-04 μCi/sec. or 4.83% of the maximum release rate of the Technical Specifications (0.0099 μCi/sec.). The highest release rate for halogens with half-lives greater than eight days for Waste Gas Decay Tanks released after 30 days of isolation or Containment Purges was 1.19E-03 μCi/sec. or 1.27% of the maximum release rate of the Technical Specifications (0.094 μCi/sec.). The highest release rate for particulates with half-lives greater than eight days was 7.42E-04 μCi/sec. or 37.1% of the maximum release rate of the Technical Specifications (0.002 μCi/sec.). Averaged over each calendar quarter of the reporting period, the halogen

release rates were 3.97E-04 µCi/sec. or 0.42% and 4.59E-04 µCi/sec. or 0.49% for each quarter respectively of the maximum release rate of the Technical Specifications (0.094 µCi/sec.). This is 5.29% and 6.12% respectively of the 8% value specified (0.0075 µCi/sec.). Averaged over each calendar quarter of the reporting period, the particulate release rates were 4.42E-06 µCi/sec. or 0.22% and 7.19E-06 µCi/sec. or 0.36% for each quarter respectively of the maximum release rate of the Technical Specifications (0.002 µCi/sec.). This is 2.76% and 4.49% respectively of the 8% value specified (1.6E-04 µCi/sec.).

Radioactive tritium released during the reporting period totalled 4.61 Curies. Gross alpha radioactivity released during the reporting period totalled 1.54E-06 Curies.

TABLE 1A

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 84

NUCLIDES IN CURIES		1 QUARTER CONT	1 QUARTER DECAY	1 QUARTER RM060	1 QUARTER TOTAL	2 QUARTER CONT	2 QUARTER DECAY	2 QUARTER RM060	2 QUARTER TOTAL
A. FISSION&ACTIVATION GASES									
TOTAL RELEASE	CI	3.19E+02	1.14E+00	0.00E+00	3.20E+02	8.71E-01	5.18E+00	0.00E+00	6.05E+00
AVG RELEASE RATE FOR PERIOD	UCI/SEC	4.06E+01	1.46E-01	0.00E+00	4.07E+01	1.11E-01	6.59E-01	0.00E+00	7.70E-01
PERCENT OF LIMIT TECH SPEC = 13280	%	3.06E-01	1.10E-03	0.00E+00	3.07E-01	8.34E-04	4.96E-03	0.00E+00	5.80E-03
B. IODINES									
TOTAL RELEASE IODINE - 131	CI	0.00E+00	0.00E+00	3.12E-03	3.12E-03	0.00E+00	0.00E+00	3.61E-03	3.61E-03
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	3.97E-04	3.97E-04	0.00E+00	0.00E+00	4.59E-04	4.59E-04
PERCENT OF LIMIT TECH SPEC = .00752	%	0.00E+00	0.00E+00	5.28E+00	5.28E+00	0.00E+00	0.00E+00	6.11E+00	6.11E+00
C. PARTICULATES									
PARTICULATES WITH HALF LIVES .GT. 8 DAYS	CI	0.00E+00	0.00E+00	3.48E-05	3.48E-05	0.00E+00	0.00E+00	5.65E-05	5.65E-05
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	4.42E-06	4.42E-06	0.00E+00	0.00E+00	7.19E-06	7.19E-06
PERCENT OF LIMIT TECH SPEC = .00016	%	0.00E+00	0.00E+00	2.76E+00	2.76E+00	0.00E+00	0.00E+00	4.49E+00	4.49E+00
GROSS ALPHA RADIOACTIVITY	CI	0.00E+00	0.00E+00	6.70E-07	6.70E-07	0.00E+00	0.00E+00	8.72E-07	8.72E-07
D. TRITIUM									
TOTAL RELEASE	CI	4.15E+00	2.68E-03	0.00E+00	4.15E+00	4.35E-01	2.40E-02	0.00E+00	4.59E-01
AVG RELEASE RATE FOR PERIOD	UCI/SEC	5.27E-01	3.41E-04	0.00E+00	5.28E-01	5.54E-02	3.05E-03	0.00E+00	5.84E-02
PERCENT OF LIMIT TECH SPEC = NONE	%								

TABLE 1C

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 84

	1 QUARTER				2 QUARTER				
NUCLIDES IN CURIES	CONT	DECAY	RM060	TOTAL	CONT	DECAY	RM060	TOTAL	
FISSION GASES									
XENON-133	3.05E+02	1.23E-01	0.00E+00	3.05E+02	5.02E-01	6.04E-01	0.00E+00	1.11E+00	
KRYPTON-85M	6.82E-02	≤1.34E-05	0.00E+00	6.82E-02	9.56E-04	≤1.86E-04	0.00E+00	1.14E-03	
XENON-131M	3.04E+00	4.31E-02	0.00E+00	3.08E+00	2.17E-01	1.69E-01	0.00E+00	3.86E-01	
KRYPTON-88	8.21E-02	≤4.57E-05	0.00E+00	8.21E-02	3.21E-03	≤3.73E-04	0.00E+00	3.59E-03	
XENON-133M	2.72E+00	1.03E-04	0.00E+00	2.72E+00	6.03E-03	≤8.06E-04	0.00E+00	6.84E-03	
XENON-135	1.01E+00	≤1.21E-05	0.00E+00	1.01E+00	≤4.27E-04	≤8.22E-05	0.00E+00	≤5.10E-04	
KRYPTON-87	2.47E-02	≤1.84E-05	0.00E+00	2.47E-02	≤7.21E-04	≤1.23E-04	0.00E+00	≤8.44E-04	
XENON-138	≤6.03E-02	≤6.97E-05	0.00E+00	≤6.04E-02	≤2.55E-03	≤4.69E-04	0.00E+00	≤3.02E-03	
KRYPTON-85	6.92E+00	9.78E-01	0.00E+00	7.90E+00	≤1.38E-01	4.41E+00	0.00E+00	4.54E+00	
XENON-135M	≤1.73E-02	≤9.87E-06	0.00E+00	≤1.73E-02	≤6.13E-04	≤1.21E-04	0.00E+00	≤7.35E-04	
ARGON-41	5.65E-01	≤1.49E-06	0.00E+00	5.65E-01	≤4.33E-04	≤1.13E-05	0.00E+00	≤4.45E-04	
TOTAL FOR PERIOD	3.19E+02	1.14E+00	0.00E+00	3.20E+02	8.71E-01	5.18E+00	0.00E+00	6.05E+00	
IODINES									
IODINE-131 CTD.	0.00E+00	0.00E+00	3.12E-03	3.12E-03	0.00E+00	0.00E+00	3.61E-03	3.61E-03	
IODINE-133 CTD.	0.00E+00	0.00E+00	1.06E-03	1.06E-03	0.00E+00	0.00E+00	≤1.07E-05	≤1.07E-05	
IODINE-135 CTD.	0.00E+00	0.00E+00	≤6.91E-03	≤6.91E-03	0.00E+00	0.00E+00	≤4.33E-05	≤4.33E-05	
TOTAL FOR PERIOD	0.00E+00	0.00E+00	1.11E-02	1.11E-02	0.00E+00	0.00E+00	3.67E-03	3.67E-03	
PARTICULATES									
STRONTIUM-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*
STRONTIUM-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*
IODINE-131 PRF.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
IODINE-133 PRF.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
BARIUM-140	0.00E+00	0.00E+00	≤1.62E-05	1.62E-05	0.00E+00	0.00E+00	≤2.55E-05	≤2.55E-05	
CESIUM-137	0.00E+00	0.00E+00	≤6.83E-06	6.83E-06	0.00E+00	0.00E+00	1.40E-05	1.40E-05	
CESIUM-134	0.00E+00	0.00E+00	≤6.37E-06	6.37E-06	0.00E+00	0.00E+00	1.01E-05	1.01E-05	
COBALT-58	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
MANGANESE-54	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
COBALT-60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
IODINE-135 PRF.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
LANTHANUM-140	0.00E+00	0.00E+00	≤5.37E-06	5.37E-06	0.00E+00	0.00E+00	≤7.06E-06	≤7.06E-06	
TOTAL FOR PERIOD	0.00E+00	0.00E+00	≤3.48E-05	3.48E-05	0.00E+00	0.00E+00	5.65E-05	5.65E-05	
ALPHA,TRITIUM & OTHER									
ALPHA	0.00E+00	0.00E+00	6.70E-07	6.70E-07	0.00E+00	0.00E+00	8.72E-07	8.72E-07	
TRITIUM	4.15E+00	2.68E-03	0.00E+00	4.15E+00	4.35E-01	2.40E-02	0.00E+00	4.59E-01	
GROSS BETA/GAMMA	0.00E+00	0.00E+00	1.26E-05	1.26E-05	0.00E+00	0.00E+00	1.24E-05	1.24E-05	

*Results not available at time of initial report. Revision for Strontium 89-90 results will be provided upon receipt from vendor.

SECTION II

RADIOACTIVE EFFLUENT RELEASES - LIQUID EFFLUENTS

TECHNICAL SPECIFICATION 5.9.4.a.2

Table 2A Liquid Effluents - Summation of All Releases

Table 2B Liquid Effluents - Summation of All Releases

January 1, 1984 to June 30, 1984

II. Radioactive Effluent Releases

B. LIQUID EFFLUENTS

During the six months a total of 1.77E-01 Curies of radioactive liquid materials less tritium and dissolved noble gases were released to the Missouri River at an average concentration of 2.52E-09 µCi/ml. This represents 2.52% of the limits specified in Appendix B to 10CFR20 (1.0E-07 µCi/ml) for unrestricted areas. The maximum concentration of total activity (excluding tritium) released to the unrestricted area and averaged during the release was 2.10E-07 µCi/ml primarily due to the inclusion of dissolved noble gases.

Dilution water during the period amounted to 1.44E+11 liters, while radioactive liquid waste volume was 2.16E+07 liters including 231 batch releases and steam generator blowdown.

Additionally, 147.7 Curies of tritium were discharged at an average concentration of 7.98E-07 µCi/ml or 0.03% of MPC (3.0E-03 µCi/ml).

Gross alpha radioactivity released during the reporting period totalled 3.14E-05 Curies and was discharged at an average concentration of 2.18E-13 µCi/ml or 7.27E-04% of MPC (3.0E-08 µCi/ml).

During the two calendar quarters in the reporting period, 7.47E-02 Curies and 1.02E-01 Curies of radioactive liquids were released. This represents 0.75% and 1.02% of the 10 Curies per calendar quarter specified as the Technical Specification limit.

TABLE 2A

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 84

		1 QUARTER	2 QUARTER
A. FISSION&ACTIVATION PRODUCTS			
TOTAL RELEASE (NO TRITIUM,GAS,ALPHA)	CI	7.47E-02	1.02E-01
AVG DILUTED CONCENTRATION	UCI/ML	6.16E-10	4.42E-09
PERCENT OF LIMIT TECH SPEC = 3.0E-8	%	2.05E+00	1.47E+01
B. TRITIUM			
TOTAL RELEASE	CI	1.37E+02	1.07E+01
AVG DILUTED CONCENTRATION	UCI/ML	1.13E-06	4.65E-07
PERCENT OF LIMIT TECH SPEC = 3.0E-3	%	3.76E-02	1.55E-02
C. DISSOLVED&ENTRAINED GASES			
TOTAL RELEASE	CI	3.72E-01	5.26E-03
AVG DILUTED CONCENTRATION	UCI/ML	3.07E-09	2.28E-10
PERCENT OF LIMIT	%		
D. GROSS ALPHA RADIOACTIVITY			
TOTAL RELEASE	CI	2.95E-05	1.88E-06
E. VOLUME OF WASTE RELEASE			
PRIOR TO DIL.	LITERS	1.93E+07	2.33E+06
F. VOLUME OF DILUTION WATER			
THIS PERIOD	LITERS	1.21E+11	2.31E+10

TABLE 2B

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 84

	1 QUARTER		2 QUARTER	
NUCLIDES IN CURIES	CONT	BATCH	CONT	BATCH
STRONTIUM-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00 *
STRONTIUM-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00 *
COBALT-57	≤5.48E-04	1.24E-04	0.00E+00	4.67E-04
MOLYBDENUM-99	≤3.00E-03	5.44E-04	0.00E+00	≤2.02E-03
TECHNETIUM-99M	3.26E-03	5.57E-04	0.00E+00	≤2.22E-03
CERIUM-141	9.25E-04	≤1.98E-04	0.00E+00	7.34E-04
TIN-117M	≤4.82E-04	≤1.13E-04	0.00E+00	≤3.68E-04
CHROMIUM-51	≤4.27E-03	≤9.03E-04	0.00E+00	≤3.64E-03
IODINE-131	9.23E-03	9.74E-03	0.00E+00	2.91E-03
IODINE-133	4.90E-03	5.74E-04	0.00E+00	≤4.90E-04
BARIUM-140	≤1.67E-03	≤3.39E-04	0.00E+00	≤1.70E-03
RUTHENIUM-103	≤4.44E-04	1.17E-04	0.00E+00	5.88E-04
CESIUM-137	1.93E-03	9.81E-03	0.00E+00	3.48E-02
ZIRCONIUM-95	≤7.15E-04	1.29E-04	0.00E+00	1.68E-03
NIOBIUM-95	≤4.37E-04	1.16E-04	0.00E+00	8.23E-04
CESIUM-134	2.06E-03	4.88E-03	0.00E+00	2.68E-02
COBALT-58	≤4.25E-04	6.84E-03	0.00E+00	1.92E-02
MANGANESE-54	≤4.24E-04	1.65E-04	0.00E+00	4.92E-04
CESIUM-136	7.38E-04	3.14E-04	0.00E+00	2.68E-04
IRON-59	≤6.81E-04	≤8.49E-05	0.00E+00	≤3.39E-04
ZINC-65	≤7.67E-04	≤9.94E-05	0.00E+00	≤3.83E-04
COBALT-60	≤3.58E-04	7.70E-04	0.00E+00	1.94E-03
LANTHANUM-140	≤3.29E-04	6.77E-05	0.00E+00	1.01E-04
ANTIMONY-124	≤5.10E-04	7.20E-05	0.00E+00	2.35E-04
TOTAL FOR PERIOD	3.81E-02	3.66E-02	0.00E+00	1.02E-01
DISSOLVED GASES				
ENTRAINED GASES				
XENON-133	2.15E-03	3.69E-01	0.00E+00	4.85E-03
XENON-135	≤4.78E-04	1.11E-03	0.00E+00	≤4.07E-04
TOTAL FOR PERIOD	2.63E-03	3.70E-01	0.00E+00	5.26E-03
OTHER, ALPHA & TRITIUM				
ALPHA	1.64E-05	1.31E-05	0.00E+00	1.88E-06
TRITIUM	9.31E+01	4.36E+01	0.00E+00	1.07E+01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	9.31E+01	4.36E+01	0.00E+00	1.07E+01
AVG. CONC. IN UCI/ML				
ALPHA	7.96E-13	4.48E-12	0.00E+00	4.12E-13
TRITIUM	3.25E-06	2.68E-05	0.00E+00	3.76E-06

*Results not available at time of initial report. Revision for Strontium 89-90 results will be provided upon receipt from vendor.

SECTION III

RADIOACTIVE EFFLUENT RELEASES - SOLID RADIOACTIVE WASTE

TECHNICAL SPECIFICATION 5.9.4.a.3

January 1, 1984 to June 30, 1984

III. RADIOACTIVE EFFLUENT RELEASES - SOLID RADIOACTIVE WASTE EFFLUENT AND WASTE DISPOSAL REPORT

January 1984 through June 1984

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (NOT IRRADIATED)

1. Type of Waste	Month Shipped	Number of Shipments	Volume Cu. Meter	Curie Content	Est. Total % Error
a. Spent resins, filter sludges, evaporator bottoms, etc.	January	0	0	0	20%
	February	0	0	0	20%
	March	1	7.22	0.787	20%
	April	6	25.06	4.686	20%
	May	4	15.08	4.360	20%
	June	3	15.08	6.614	20%
Six Month Total (Type A)		14	62.44	16.447	
b. Dry compressable, contaminated equipment, etc.	January	0	0	0	20%
	February	0	0	0	20%
	March	1	10.86	1.294	20%
	April	6	82.11	14.328	20%
	May	5	70.88	8.401	20%
	June	3	27.91	1.600	20%
Six Month Total (Type B)		15	191.76	25.623	
c. Irradiated components and other categories	January	0	0	0	NA
	February	0	0	0	NA
	March	0	0	0	NA
	April	0	0	0	NA
	May	0	0	0	NA
	June	0	0	0	NA
Six Month Total (Type C)		0	0	0	
d. Other	January	0	0	0	NA
	Feburary	0	0	0	NA
	March	0	0	0	NA
	April	0	0	0	NA
	May	0	0	0	NA
	June	0	0	0	NA
Six Month Total (Type D)		0	0	0	

III. RADIOACTIVE EFFLUENT RELEASES - SOLID RADIOACTIVE WASTE EFFLUENT AND WASTE DISPOSAL REPORT (Continued)

B. ESTIMATE OF MAJOR NUCLIDE COMPOSITION (By Type of Waste)

1. Percentage of Curies from Represented Isotopes

	Isotope	%	Curies	
a.	Cs-137	54.8%	9.013	
	Cs-134	28.9%	4.753	All other nuclides
	Co-58	9.7%	1.595	constitute less
	Co-60	1.4%	0.230	than 1%.
	H-3	4.9%	0.806	
b.	Cs-137	56.2%	14.400	
	Cs-134	33.1%	8.481	All other nuclides
	Co-58	8.8%	2.255	constitute less
	Co-60	1.0%	0.256	than 1%.
c.	NA	NA	NA	
d.	NA	NA	NA	

C. SOLID WASTE (DISPOSITION)

Number of Shipments	Transportation Mode	Destination
4	Closed Sole Use Vehicle	Barnwell, South Carolina
11	Closed Sole Use Vehicle	Richland, Washington

D. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

Number of Shipments	Transportation Mode	Destination
NA	NA	NA

SECTION IV

JOINT FREQUNECY DISTRIBUTION WIND DIRECTION VS. WIND SPEED BY STABILITY CLASS AND METEOROLOGY DATA PER BATCH RELEASE

(Regulatory Guide 1.21)

January 1, 1984 to June 30, 1984

IV. JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED BY STABILITY CLASS AND METEOROLOGY DATA PER BATCH RELEASE

A. Meteorology data per batch tables will have -99 values signifying either invalid data or no data available.

TABLE 15B - A

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -2.0 TO -INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	4.0
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
TOTAL	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.0

TABLE 158 - B

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.7 TO -1.9 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	5.5
NNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	5.5
TOTAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.		

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.0

TABLE 158 - C

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.5 TO -1.6 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.7
NE	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.5
ENE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	3.9
E	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.9
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.	7.2
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSW	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.4
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NW	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.6
NNW	0.	0.	0.	0.	0.	0.	3.	2.	0.	0.	0.	1.	0.	0.	0.	6.	3.8
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.3
TOTAL	0.	0.	1.	1.	0.	6.	4.	3.	0.	0.	0.	1.	2.	0.	0.	18.	3.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.8

TABLE 158 - D

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.5 TO -1.4 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	1.	4.	12.	10.	5.	6.	5.	0.	1.	1.	0.	0.	0.	0.	45.	2.4
NE	0.	1.	7.	12.	18.	10.	4.	7.	2.	0.	0.	0.	0.	0.	0.	61.	2.3
ENE	0.	1.	4.	6.	6.	5.	11.	6.	1.	0.	0.	0.	0.	0.	0.	40.	2.5
E	0.	2.	2.	2.	7.	7.	5.	8.	1.	1.	0.	0.	0.	0.	0.	35.	2.7
ESE	0.	0.	3.	3.	3.	9.	12.	14.	14.	0.	2.	0.	0.	0.	0.	60.	3.3
SE	0.	0.	3.	5.	8.	18.	14.	9.	16.	5.	2.	3.	0.	0.	0.	83.	3.3
SSE	0.	0.	1.	3.	1.	4.	6.	13.	12.	0.	3.	5.	0.	0.	0.	48.	3.8
S	0.	2.	4.	3.	5.	10.	8.	12.	12.	0.	0.	0.	0.	1.	0.	57.	3.1
SSW	0.	1.	1.	1.	3.	4.	12.	17.	3.	0.	0.	0.	0.	0.	0.	42.	3.2
SW	1.	1.	3.	2.	1.	3.	1.	8.	3.	0.	0.	0.	0.	0.	0.	23.	2.7
WSW	0.	0	1.	5.	9.	6.	3.	8.	0.	0.	0.	0.	0.	0.	0.	32.	2.6
W	0.	0.	0.	5.	7.	9.	5.	6.	0.	0.	0.	0.	0.	0.	0.	32.	2.6
WNW	0.	0.	7.	7.	4.	1.	1.	2.	1.	0.	1.	0.	0.	0.	0.	24.	2.1
NW	0.	3.	6.	9.	17.	19.	41.	42.	3.	3.	5.	7.	0.	0.	0.	155.	3.2
NNW	0.	2.	7.	15.	32.	38.	85.	103.	18.	6.	11.	10.	2.	0.	0.	329.	3.3
N	0.	3.	4.	10.	14.	15.	27.	16.	7.	1.	0.	0.	0.	0.	0.	97.	2.8
TOTAL	1.	17.	57.	100.	145.	163.	241.	276.	93.	17.	25.	25.	2.	1.	0.	1163.	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 54.4

TABLE 158 - E

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.4 TO +1.5 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	5.	2.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.2
NE	0.	0.	3.	2.	1.	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	9.	2.2
ENE	0.	1.	1.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.5
E	0.	1.	0.	5.	3.	4.	2.	1.	0.	0.	0.	0.	0.	0.	0.	16.	2.2
ESE	0.	3.	2.	8.	7.	4.	7.	7.	1.	0.	0.	0.	0.	0.	0.	39.	2.5
SE	0.	1.	12.	17.	10.	22.	13.	14.	9.	3.	1.	0.	0.	0.	0.	102.	2.7
SSE	0.	4.	2.	5.	4.	3.	12.	5.	7.	1.	2.	0.	0.	0.	0.	45.	2.9
S	0.	3.	3.	4.	1.	4.	3.	2.	5.	2.	0.	0.	0.	0.	0.	27.	2.6
SSW	3.	6.	3.	7.	6.	6.	7.	5.	2.	1.	0.	0.	0.	0.	0.	46.	2.2
SW	2.	11.	3.	6.	4.	3.	9.	5.	3.	0.	0.	0.	0.	0.	0.	46.	2.1
WSW	0.	4.	6.	4.	7.	6.	6.	4.	2.	2.	0.	0.	0.	0.	0.	41.	2.4
W	1.	5.	11.	7.	5.	5.	8.	6.	2.	2.	0.	0.	0.	0.	0.	52.	2.2
WNW	0.	13.	30.	28.	16.	7.	10.	11.	10.	1.	4.	0.	0.	0.	0.	130.	2.2
NW	1.	7.	16.	35.	17.	20.	14.	24.	4.	2.	0.	1.	0.	0.	0.	141.	2.4
NNW	0.	3.	4.	7.	5.	10.	10.	7.	3.	1.	0.	1.	0.	0.	0.	51.	2.7
N	0.	2.	5.	0.	1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.6
TOTAL	7.	69.	103.	138.	91.	94.	105.	92.	48.	15.	7.	2.	0.	0.	0.	771.	2.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 36.0

TABLE 158 - F

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +1.6 TO +4.0 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1	1.3
NE	0.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.0
ENE	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.8
E	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.1
ESE	0.	3.	6.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	13.	1.3
SE	0.	2.	4.	2.	1.	2.	1.	1.	2.	0.	0.	0.	0.	0.	0.	15.	2.1
SSE	0.	2.	0.	2.	2.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	8.	2.0
S	0.	3.	4.	1.	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	12.	1.8
SSW	0.	3.	4.	2.	4.	1.	2.	3.	1.	0.	0.	0.	0.	0.	0.	20.	2.2
SW	1.	0.	7.	2.	0.	2.	2.	0	0.	0.	0.	0.	0.	0.	0.	14.	1.7
WSW	0.	5.	1.	4.	1.	3.	2.	1	1.	0.	0.	0.	0.	0.	0.	18.	2.0
W	0.	3.	2.	2.	2.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	10.	1.6
WNW	0.	3.	9.	6.	0.	0.	1.	1	1.	0.	1.	0.	0.	0.	0.	22.	1.8
NW	0.	3.	3.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	1.3
NNW	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.9
N	0.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.0
TOTAL	1.	34.	47.	28.	13.	9.	10.	8.	7.	0.	1.	0.	0.	0.	0.	158.	1.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 7.5

TABLE 158 - G

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +4.1 TO +INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	0.	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.3
ESE	0.	0.	1.	0.	0.	1.	0.	0	0.	0.	0.	0.	0.	0.	0.	2.	2.0
SE	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.5
SSE	0.	0.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.7
S	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.7
SSW	0.	0.	1.	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	5.	2.7
SW	0.	1.	0.	2.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	7.	2.1
WSW	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.0
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NW	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.8
NNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
N	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.3
TOTAL	0.	3.	6.	4.	3.	5.	5.	1.	0.	0.	0.	0.	0.	0.	0.	27.	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.3

TABLE 158 - ALL

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -INF TO +INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	6.	7.	12.	12.	7.	6.	5.	0.	1.	1.	0.	0.	0.	0.	57.	2.2
NE	0.	2.	13.	14.	19.	11.	6.	8.	2.	0.	0.	0.	0.	0.	0.	75.	2.2
ENE	0.	3.	5.	9.	8.	5.	11.	7.	1.	0.	0.	0.	0.	0.	0.	49.	2.4
E	0.	4.	3.	8.	10.	12.	8.	9.	1.	1.	0.	0.	0.	0.	0.	56.	2.5
ESE	0.	6.	12.	14.	11.	15.	19.	22.	15.	0.	2.	0.	0.	0.	0.	116.	2.8
SE	0.	3.	19.	25.	20.	42.	28.	24.	29.	8.	3.	3.	2.	0.	0.	206.	2.9
SSE	0.	6.	5.	11.	8.	8.	19.	19.	19.	1.	5.	5.	0.	0.	0.	106.	3.2
S	0.	8.	11.	8.	7.	15.	13.	15.	18.	2.	0.	0.	0.	1.	0.	98.	2.8
SSW	3.	10.	9.	10.	13.	13.	23.	26.	6.	1.	0.	0.	0.	0.	0.	114.	2.6
SW	4.	13.	13.	12.	6.	10.	13.	13.	6.	0.	0.	0.	0.	0.	0.	90.	2.2
WSW	0.	10.	8.	13.	17.	15.	12.	13.	4.	2.	0.	0.	0.	0.	0.	94.	2.4
W	1.	8.	13.	14.	14.	14.	13.	12.	3.	2.	0.	0.	0.	0.	0.	94.	2.3
WNW	0.	16.	46.	41.	20.	8.	12.	14.	12.	1.	6.	0.	0.	0.	0.	176.	2.1
NW	1.	14.	25.	47.	36.	40.	55.	66.	7.	5.	5.	8.	0.	0.	0.	309.	2.7
NNW	0.	7.	12.	22.	37.	48.	98.	112.	21.	7.	12.	12.	2.	0.	0.	390.	3.2
N	0.	7.	13.	11.	15.	15.	29.	16.	7.	1.	0.	0.	0.	0.	0.	114.	2.6
TOTAL	9.	123.	214.	271.	253.	278.	365.	381.	151.	32.	34.	28.	4.	1.	0.	2144.	2.7

NUMBER OF INVALID OBSERVATIONS= 40.

PERCENT OF VALID OBSERVATIONS= 98.2

TABLE 159 - A

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -2.0 TO -INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	4.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.0

TABLE 159 - B

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.7 TO -1.9 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	5.5
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	5.5
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	5.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.0

TABLE 159 - C

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.5 TO -1.6 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.7
NE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.5
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.8
E	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.9
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09	7.2
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.4
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.6
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.28	3.8
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.3
TOTAL	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.84	3.5
	0.00	0.00	0.05	0.04	0.00	0.29	0.18	0.14	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.84	3.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.8

TABLE 159 - D

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.E TO -1.4 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.05	0.19	0.56	0.47	0.23	0.28	0.23	0.00	0.05	0.04	0.00	0.00	0.00	0.00	2.10	2.4
NE	0.00	0.04	0.33	0.56	0.84	0.47	0.19	0.33	0.09	0.00	0.00	0.00	0.00	0.00	0.00	2.85	2.3
ENE	0.00	0.05	0.19	0.28	0.28	0.23	0.51	0.28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.87	2.5
E	0.00	0.09	0.09	0.09	0.33	0.33	0.23	0.38	0.05	0.05	0.00	0.00	0.00	0.00	0.00	1.64	2.7
ESE	0.00	0.00	0.14	0.14	0.14	0.42	0.56	0.66	0.66	0.00	0.09	0.00	0.00	0.00	0.00	2.81	3.3
SE	0.00	0.00	0.14	0.23	0.38	0.84	0.66	0.42	0.75	0.23	0.09	0.14	0.00	0.00	0.00	3.88	3.3
SSE	0.00	0.00	0.14	0.23	0.38	0.84	0.66	0.42	0.75	0.23	0.09	0.14	0.00	0.00	0.00	2.24	3.8
S	0.00	0.00	0.05	0.14	0.04	0.19	0.28	0.61	0.56	0.00	0.14	0.23	0.00	0.00	0.00	2.66	3.1
SSW	0.00	0.09	0.19	0.14	0.23	0.47	0.37	0.56	0.56	0.00	0.00	0.00	0.00	0.05	0.00	1.96	3.2
SW	0.00	0.05	0.05	0.04	0.14	0.19	0.56	0.79	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.08	2.7
WSW	0.05	0.05	0.14	0.09	0.05	0.14	0.05	0.37	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.6
W	0.00	0.00	0.05	0.23	0.42	0.28	0.14	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.6
WNW	0.00	0.00	0.00	0.24	0.33	0.42	0.23	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	2.1
NW	0.00	0.00	0.33	0.33	0.19	0.05	0.05	0.09	0.04	0.00	0.04	0.00	0.00	0.00	0.00	7.25	3.2
NNW	0.00	0.14	0.28	0.42	0.80	0.89	1.92	1.96	0.14	0.14	0.23	0.33	0.00	0.00	0.00	15.38	3.3
N	0.00	0.09	0.33	0.70	1.50	1.78	3.97	4.82	0.84	0.28	0.51	0.47	0.09	0.00	0.00	4.53	2.8
TOTAL	0.00	0.14	0.19	0.47	0.65	0.70	1.26	0.75	0.33	0.04	0.00	0.00	0.00	0.00	0.00	54.37	3.0
	0.05	0.79	2.69	4.66	6.79	7.63	11.26	12.91	4.35	0.79	1.14	1.17	0.09	0.05	0.00		

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 54.4

TABLE 159 - E

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.4 TO +1.5 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.24	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.2
NE	0.00	0.00	0.14	0.09	0.05	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	2.2
ENE	0.00	0.05	0.05	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	1.5
E	0.00	0.05	0.00	0.23	0.14	0.19	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	2.2
ESE	0.00	0.14	0.09	0.37	0.33	0.19	0.33	0.33	0.04	0.00	0.00	0.00	0.00	0.00	0.00	1.82	2.5
SE	0.00	0.05	0.56	0.79	0.47	1.03	0.61	0.65	0.42	0.14	0.05	0.00	0.00	0.00	0.00	4.77	2.7
SSE	0.00	0.19	0.09	0.23	0.19	0.14	0.56	0.23	0.33	0.05	0.09	0.00	0.00	0.00	0.00	2.10	2.9
S	0.00	0.14	0.14	0.19	0.05	0.19	0.14	0.09	0.23	0.09	0.00	0.00	0.00	0.00	0.00	1.26	2.6
SSW	0.14	0.28	0.14	0.33	0.28	0.28	0.33	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.00	2.15	2.2
SW	0.09	0.52	0.14	0.28	0.19	0.14	0.42	0.23	0.14	0.00	0.00	0.00	0.00	0.00	0.00	2.15	2.1
WSW	0.00	0.19	0.28	0.19	0.33	0.28	0.28	0.19	0.09	0.09	0.00	0.00	0.00	0.00	0.00	1.92	2.4
W	0.05	0.23	0.52	0.33	0.23	0.23	0.38	0.28	0.09	0.09	0.00	0.00	0.00	0.00	0.00	2.43	2.2
WNW	0.00	0.61	1.40	1.31	0.75	0.33	0.47	0.51	0.47	0.04	0.19	0.00	0.00	0.00	0.00	6.08	2.2
NW	0.05	0.33	0.75	1.64	0.79	0.93	0.65	1.12	0.19	0.09	0.00	0.05	0.00	0.00	0.00	6.59	2.4
NNW	0.00	0.14	0.19	0.33	0.23	0.47	0.47	0.33	0.14	0.04	0.00	0.04	0.00	0.00	0.00	2.38	2.7
N	0.00	0.09	0.24	0.00	0.05	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.6
TOTAL	0.33	3.25	4.82	6.45	4.26	4.40	4.91	4.29	2.23	0.68	0.33	0.09	0.00	0.00	0.00	36.04	2.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 36.0

TABLE 159 - F

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +1.6 TO +4.0 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.3
NE	0.00	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	1.0
ENE	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.8
E	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.1
ESE	0.00	0.14	0.28	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	1.3
SE	0.00	0.09	0.19	0.09	0.05	0.09	0.05	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.70	2.1
SSE	0.00	0.09	0.00	0.09	0.09	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.0
S	0.00	0.14	0.19	0.05	0.00	0.05	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.56	1.8
SSW	0.00	0.14	0.19	0.09	0.19	0.05	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.94	2.2
SW	0.05	0.00	0.33	0.09	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.7
WSW	0.00	0.23	0.05	0.19	0.05	0.14	0.09	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.84	2.0
W	0.00	0.14	0.10	0.09	0.09	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.6
WNW	0.00	0.14	0.42	0.28	0.00	0.00	0.05	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	1.03	1.8
NW	0.00	0.14	0.14	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.3
NNW	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.9
N	0.00	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	1.0
TOTAL	0.05	1.59	2.22	1.29	0.61	0.42	0.47	0.38	0.32	0.00	0.04	0.00	0.00	0.00	0.00	7.39	1.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 7.5

TABLE 159 - G

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +4.1 TO +INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.3
ESE	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.0
SE	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.5
SSE	0.00	0.00	0.09	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.7
S	0.00	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.7
SSW	0.00	0.00	0.05	0.00	0.00	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.7
SW	0.00	0.05	0.00	0.09	0.05	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	2.1
WSW	0.00	0.05	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.8
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
N	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.3
TOTAL	0.00	0.15	0.29	0.19	0.15	0.22	0.22	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.3

TABLE 159 - ALL

DATA PERIOD 01/01/1984 THROUGH 03/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -INF TO +INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION.

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.28	0.33	0.56	0.56	0.32	0.28	0.23	0.00	0.05	0.05	0.00	0.00	0.00	0.00	2.66	2.2
NE	0.00	0.10	0.61	0.65	0.89	0.51	0.28	0.37	0.09	0.00	0.00	0.00	0.00	0.00	0.00	3.50	2.2
ENE	0.00	0.14	0.24	0.42	0.37	0.23	0.51	0.33	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.29	2.4
E	0.00	0.19	0.14	0.37	0.46	0.56	0.37	0.42	0.05	0.05	0.00	0.00	0.00	0.00	0.00	2.61	2.5
ESE	0.00	0.28	0.56	0.65	0.51	0.70	0.89	1.03	0.70	0.00	0.09	0.00	0.00	0.00	0.00	5.41	2.8
SE	0.00	0.14	0.89	1.17	0.93	1.96	1.31	1.12	1.35	0.37	0.14	0.14	0.09	0.00	0.00	9.61	2.9
SSE	0.00	0.28	0.23	0.51	0.37	0.37	0.89	0.89	0.89	0.05	0.23	0.23	0.00	0.00	0.00	4.94	3.2
S	0.00	0.37	0.51	0.37	0.33	0.70	0.61	0.70	0.84	0.09	0.00	0.00	0.00	0.05	0.00	4.57	2.8
SSW	0.14	0.47	0.42	0.47	0.61	0.60	1.07	1.21	0.28	0.05	0.00	0.00	0.00	0.00	0.00	5.32	2.6
SW	0.19	0.61	0.61	0.56	0.28	0.47	0.60	0.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00	4.20	2.2
WSW	0.00	0.47	0.37	0.61	0.79	0.70	0.56	0.60	0.19	0.09	0.00	0.00	0.00	0.00	0.00	4.38	2.4
W	0.05	0.37	0.61	0.65	0.65	0.65	0.61	0.56	0.14	0.09	0.00	0.00	0.00	0.00	0.00	4.38	2.3
WNW	0.00	0.75	2.15	1.91	0.93	0.37	0.56	0.65	0.56	0.05	0.28	0.00	0.00	0.00	0.00	8.21	2.7
NW	0.05	0.65	1.17	2.19	1.68	1.87	2.56	3.08	0.33	0.23	0.23	0.37	0.00	0.00	0.00	14.41	2.7
NNW	0.00	0.33	0.56	1.03	1.72	2.24	4.57	5.22	0.98	0.33	0.56	0.56	0.09	0.00	0.00	18.19	3.2
N	0.00	0.33	0.61	0.51	0.70	0.70	1.35	0.74	0.33	0.05	0.00	0.00	0.00	0.00	0.00	5.32	2.6
TOTAL	0.43	5.76	10.01	12.63	11.78	12.95	17.02	7.75	7.06	1.50	1.58	1.30	0.18	0.05	0.00	100.00	2.7

NUMBER OF INVALID OBSERVATIONS= 40.

PERCENT OF VALID OBSERVATIONS= 98.2

DATA P[redacted]D 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES [redacted]EX

1	1	0	0	158	1	1	5	3	2	3	4	7	8	9	10	11
1984	4	0	3	0												

DATA COMPLETED

COMP5

TABLE 158 - A

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -2.0 TO -INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.6
WSW	0.	1.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	4.	3.1
W	0.	0.	0.	0.	0.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	7.	3.0
WNW	0.	0.	0.	0.	3.	1.	0.	1.	2.	0.	0.	0.	0.	0.	0.	6.	2.4
NW	0.	0.	0.	0.	3.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	8.	3.6
NNW	0.	0.	0.	0.	2.	2.	0.	0.	1.	2.	1.	0.	0.	0.	0.	1.	2.5
N	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	27.	3.0
TOTAL	0.	1.	0.	0.	8.	8.	2.	2.	3.	2.	1.	0.	0.	0.	0.		

NUMBER OF INVALID OBSERVATIONS= 4.

PERCENT OF VALID OBSERVATIONS= 1.5

TABLE 158 - B

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.7 TO -1.9 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	2.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	3.	2.5
NE	0.	0.	0.	2.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	3.	2.4
ENE	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	4.1
E	0.	0.	0.	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	3.	2.4
ESE	0.	0.	0.	0.	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	0.	4.	3.6
SE	0.	0.	0.	0.	0.	1.	3.	2.	1.	0.	0.	0.	0.	0.	0.	7.	3.3
SSE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	2.	1.	0.	4.	6.8
S	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	1.	0.	2.	0.	5.	6.1
SSW	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	0.	0.	0.	0.	4.	4.9
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.8
WSW	0.	0.	0.	0	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	2.	7.	5.5
W	0.	0.	0.	0.	0.	0.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.9
NW	0.	0.	0.	2.	1.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	10.	3.1
NNW	0.	0.	0.	1.	3.	0.	4.	0.	0.	0.	2.	0.	0.	0.	0.	34.	4.2
N	0.	0.	1.	1.	2.	2.	3.	7.	3.	3.	9.	2.	1.	0.	0.	27.	3.6
TOTAL	0.	0.	0.	0.	3	4.	8.	4.	4.	1.	1.	2.	0.	0.	0.	120.	3.9
	0.	0.	1.	9.	9.	10.	24.	19.	15.	6.	14.	5.	3.	3.	2.		

NUMBER OF ID OBSERVATIONS= 42.

PERCENT V. D OBSERVATIONS 6.3

TABLE 158 - C

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.5 TO -1.6 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.5
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	2.	0.	0.	1.	0.	0.	0.	0.	0	0.	0.	0.	3.	2.1
E	0.	0.	1.	1.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.2
ESE	0.	0.	0.	0.	1.	3.	7.	2.	4.	0.	0.	0.	0.	0.	0.	17.	3.3
SE	0.	0.	0.	0.	0.	4.	4.	2.	1.	3.	5.	0.	0.	2.	0.	21.	4.3
SSE	0.	0.	0.	1.	0.	4.	0.	4.	0.	5.	3.	2.	0.	0.	0.	19.	4.2
S	0.	0.	0.	1.	1.	0.	0.	0.	4.	0.	3.	0.	0.	1.	5.	15.	6.1
SSW	0.	0.	0.	0.	0.	1.	0.	1.	0.	3.	0.	2.	0.	0.	0.	7.	4.6
SW	0.	0.	0.	0.	0.	2.	2.	0.	1.	0.	0.	0.	0.	0.	2.	7.	5.2
WSW	0.	0.	0.	1.	0.	1.	0.	0.	0.	1.	0.	0.	1.	0.	2.	6.	6.9
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.2
NW	0.	0.	0.	2.	0.	4.	0.	1.	0.	0.	1.	1.	0.	0.	0.	9.	3.2
NNW	0.	0.	0.	0.	1.	2.	3.	4.	4.	6.	4.	3.	0.	1.	0.	28.	4.5
N	0.	0.	2.	0.	5.	5.	3.	4.	3.	0.	2.	0.	0.	0.	0.	24.	3.1
TOTAL	0.	0.	3.	9.	8.	29.	21.	19.	17.	18.	18.	8.	1.	4.	9.	164.	4.2

NUMBER OF INVALID OBSERVATIONS= 16.

PERCENT OF VALID OBSERVATIONS= 8.6

TABLE 158 - D

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.5 TO -1.4 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	1.	2.	2.	5.	1.	3.	2.	5.	0.	4.	2.	0.	0.	2.	29.	3.9
NE	0.	0.	4.	2.	4.	2.	2.	1.	3.	9.	6.	2.	0.	1.	0.	36.	3.8
ENE	0.	0.	1.	8.	2.	1.	2.	2.	4.	1.	10.	5.	0.	0.	2.	38.	4.3
E	0.	0.	5.	5.	13.	9.	13.	5.	7.	12.	6.	8.	4.	1.	0.	88.	3.7
ESE	0.	0.	1.	1.	10.	16.	19.	14.	5.	4.	5.	9.	4.	0.	1.	89.	3.8
SE	0.	0.	1.	0.	9.	8.	11.	15.	8.	12.	21.	13.	6.	2.	4.	110.	4.7
SSE	0.	0.	0.	3.	4.	7.	11.	9.	7.	13.	26.	15.	9.	0.	0.	104.	4.7
S	0.	0.	3.	0.	3.	6.	4.	11.	10.	6.	8.	6.	4.	5.	1.	67.	4.6
SSW	0.	0.	0.	2.	1.	4.	8.	4.	5.	7.	9.	3.	0.	3.	0.	46.	4.4
SW	0.	0.	1.	0.	3.	3.	0.	2.	1.	1.	1.	3.	0.	1.	0.	16.	4.0
WSW	0.	1.	3.	3.	2.	2.	4.	0.	1.	1.	3.	2.	1.	0.	4.	27.	4.5
W	0.	0.	0.	0.	2.	2.	1.	4.	1.	0.	2.	10.	2.	1.	0.	25.	5.2
WNW	0.	0.	4.	6.	2.	1.	2.	0.	2.	3.	13.	3.	4.	2.	1.	43.	4.5
NW	0.	0.	3.	2.	5.	4.	5.	2.	1.	2.	8.	7.	2.	0.	0.	41.	4.1
NNW	0.	0.	5.	6.	10.	13.	15.	17.	6.	6.	15.	7.	1.	3.	4.	108.	4.0
N	0.	1.	7.	3.	7.	4.	11.	5.	7.	5.	5.	1.	6.	0.	1.	63.	3.7
TOTAL	0.	3.	40.	43.	82.	83.	111.	93.	73.	82.	142.	96.	43.	19.	20.	930.	4.2

NUMBER OF INVALID OBSERVATIONS= 98.

PERCENT OF VALID OBSERVATIONS= 48.9

TABLE 158 - E

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.4 TO +1.5 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	1.	2.	0.	0.	0.	0.	1.	0.	0.	1.	0.	0.	0.	0.	5.	2.5
NE	0.	0.	2.	2.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	5.	1.9
ENE	0.	0.	1.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.0
E	0.	0.	3.	5.	3.	0.	1.	0.	0.	0.	1.	2.	0.	2.	0.	17.	3.3
ESE	0.	2.	5.	13.	3.	4.	0.	2.	0.	2.	2.	0.	3.	1.	4.	41.	3.5
SE	0.	3.	8.	14.	12.	19.	7.	9.	4.	4.	6.	0.	1.	0.	0.	87.	2.7
SSE	0.	1.	0.	4.	7.	13.	8.	11.	3.	4.	5.	5.	0.	0.	0.	61.	3.5
S	0.	2.	4.	2.	0.	3.	7.	4.	6.	2.	2.	1.	1.	0.	0.	34.	3.3
SSW	0.	0.	3.	2.	3.	0.	3.	1.	1.	2.	1.	1.	0.	0.	0.	17.	3.0
SW	0.	3.	1.	2.	0.	3.	2.	0.	1.	1.	2.	2.	1.	0.	0.	18.	3.3
WSW	0.	2.	1.	1.	1.	2.	3.	4.	2.	0.	0.	1.	1.	0.	0.	18.	3.2
W	0.	2.	3.	1.	1.	1.	3.	0.	0.	1.	0.	1.	0.	0.	0.	13.	2.4
WNW	0.	10.	9.	7.	10.	4.	1.	0.	3.	0.	0.	0.	0.	0.	3.	47.	2.4
NW	0.	2.	8.	11.	5.	3.	2.	4.	1.	0.	0.	0.	0.	0.	0.	36.	2.0
NNW	0.	5.	12.	6.	3.	5.	3.	5.	1.	0.	2.	1.	0.	0.	0.	43.	2.3
N	0.	2.	4.	1.	1.	0.	1.	1.	1.	0.	0.	2.	0.	0.	0.	13.	2.6
TOTAL	0.	35.	66.	73.	50.	58.	42.	42.	24.	16.	22.	16.	7.	3.	7.	461.	2.8

NUMBER OF INVALID OBSERVATIONS= 27.

PERCENT OF VALID OBSERVATIONS= 24.3

TABLE 158 - F

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +1.6 TO +4.0 IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.0
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
ESE	0.	1.	4.	3.	2.	0.	0.	0.	0.	0	0.	0.	0.	0.	0.	10.	1.4
SE	0.	5.	6.	2.	4.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	21.	1.6
SSE	0.	4.	2.	2.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	10.	1.4
S	0.	1.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.5
SSW	0.	4.	1.	0.	1.	0.	0.	1.	3.	0.	0.	0.	0.	0.	0.	10.	2.3
SW	0.	6.	0.	0.	1.	1.	0.	0.	0.	1.	4.	0.	0.	0.	0.	13.	2.6
WSW	0.	7.	2.	0.	1.	1.	1.	1.	0.	1.	3.	1.	0.	0.	0.	18.	2.5
W	0.	8.	4.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	13.	1.0
WNW	0.	14.	13.	10.	3.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	41.	1.3
NW	0.	1.	12.	7.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	21.	1.3
NNW	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	4.	2.2
N	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.7
TOTAL	0.	55.	49.	25.	13.	6.	3.	4.	3.	2.	9.	1.	0.	0.	0.	170.	1.6

NUMBER OF INVALID OBSERVATIONS= 23.

PERCENT OF VALID OBSERVATIONS= 8.9

TABLE 158 - G

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +4.1 TO +INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ENE	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.9
SE	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.9
SSE	0.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.8
S	0.	1.	1.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	3.	1.8
SSW	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	4.0
SW	0.	1.	0.	0.	0.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	3.	2.8
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	2.	3.8
WNW	0.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.6
NW	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.9
NNW	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.5
N	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
TOTAL	0.	17.	6.	1.	0.	1.	0.	1.	1.	1.	0.	0.	1.	0.	0.	29.	1.4

NUMBER OF INVALID OBSERVATIONS= 9.

PERCENT OF VALID OBSERVATIONS= 1.5

TABLE 158 - ALL

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -INF TO +INF IN FREQUENCY DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	2.	6.	5.	5.	1.	3.	3.	6.	0.	5.	2.	0.	0.	2.	40.	3.4
NE	0.	0.	6.	6.	4.	2.	2.	2.	4.	9.	6.	2.	0.	1.	0.	44.	3.5
ENE	0.	2.	2.	12.	3.	2.	4.	2.	5.	1.	10.	5.	0.	0.	2.	50.	3.7
E	0.	2.	9.	12.	16.	13.	15.	5.	7.	12.	7.	10.	4.	3.	0.	115.	3.5
ESE	0.	4.	11.	17.	16.	23.	27.	20.	10.	6.	7.	9.	7.	1.	5.	163.	3.5
SE	0.	10.	16.	16.	25.	34.	26.	29.	14.	19.	32.	13.	7.	4.	4.	249.	3.6
SSE	0.	8.	4.	10.	11.	25.	19.	26.	10.	22.	34.	22.	11.	1.	0.	203.	4.1
S	0.	4.	9.	4.	4.	10.	11.	16.	22.	8.	13.	8.	5.	8.	6.	128.	4.3
SSW	0.	4.	4.	4.	5.	5.	11.	7.	11.	13.	12.	6.	3.	3.	0.	85.	3.9
SW	0.	10.	2.	2.	4.	11.	5.	2.	3.	4.	7.	5.	1.	1.	2.	59.	3.5
WSW	0.	11.	6.	5.	4.	6.	11.	7.	3.	3.	6.	4.	3.	0.	8.	77.	3.9
W	0.	11.	7.	1.	3.	5.	6.	5.	1.	1.	2.	11.	3.	1.	0.	57.	3.4
WNW	0.	28.	26.	25.	19.	7.	4.	2.	8.	4.	14.	3.	4.	2.	4.	150.	2.7
NW	0.	3.	24.	23.	17.	13.	12.	7.	2.	2.	11.	8.	2.	0.	0.	124.	2.7
NNW	0.	6.	20.	14.	18.	24.	24.	33.	15.	17.	32.	13.	2.	4.	4.	226.	3.7
N	0.	6.	13.	4.	16.	14.	23.	14.	15.	6.	8.	5.	6.	0.	1.	131.	3.4
TOTAL	0.	111.	165.	160.	170.	195.	203.	180.	136.	127.	206.	126.	55.	29.	38.	1901.	3.6

NUMBER OF INVALID OBSERVATIONS= 283.

PERCENT OF VALID OBSERVATIONS= 87.0

TABLE 159 - A

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -2.0 TO -INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.6
W	0.00	0.00	0.00	0.00	0.00	0.11	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.1
WNW	0.00	0.00	0.00	0.00	0.16	0.05	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.37	3.0
NW	0.00	0.00	0.00	0.00	0.16	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.4
NNW	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.05	0.10	0.05	0.00	0.00	0.00	0.00	0.42	3.6
N	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.5
TOTAL	0.00	0.05	0.00	0.00	0.43	0.43	0.10	0.10	0.16	0.10	0.05	0.00	0.00	0.00	0.00	1.42	3.0

NUMBER OF INVALID OBSERVATIONS= 4.

PERCENT OF VALID OBSERVATIONS= 1.5

TABLE 159 - B

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.7 TO -1.9 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.16	2.5
NE	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	2.4
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	4.1
E	0.00	0.00	0.00	0.06	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	2.4
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.6
SE	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.37	3.3
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.11	0.05	0.00	0.21	3.8
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.05	0.00	0.10	0.00	0.26	6.1
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.11	0.00	0.00	0.00	0.00	0.21	4.9
SW	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	2.8
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.37	5.5
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	2.9
NW	0.00	0.00	0.00	0.11	0.05	0.05	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.53	3.1
NNW	0.00	0.00	0.00	0.05	0.16	0.00	0.21	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	1.79	4.2
N	0.00	0.00	0.05	0.05	0.11	0.11	0.16	0.37	0.16	0.16	0.47	0.10	0.05	0.00	0.00	1.47	3.6
TOTAL	0.00	0.00	0.00	0.00	0.16	0.21	0.42	0.21	0.21	0.05	0.05	0.11	0.00	0.00	0.00	1.47	3.6
	0.00	0.00	0.05	0.49	0.48	0.52	1.26	1.01	0.78	0.31	0.74	0.26	0.16	0.15	0.10	6.31	3.9

NUMBER OF INVALID OBSERVATIONS= 42.

PERCENT OF VALID OBSERVATIONS= 6.3

TABLE 159 - C

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -1.5 TO -1.6 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.5
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.11	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	2.1
E	0.00	0.00	0.05	0.05	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	2.2
ESE	0.00	0.00	0.00	0.00	0.05	0.16	0.37	0.10	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.89	3.3
SE	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.11	0.05	0.16	0.26	0.00	0.00	0.11	0.00	1.11	4.3
SSE	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.21	0.00	0.26	0.16	0.11	0.00	0.00	0.00	1.00	4.2
S	0.00	0.00	0.00	0.05	0.00	0.21	0.00	0.21	0.00	0.00	0.16	0.00	0.00	0.05	0.27	0.79	6.1
SSW	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.21	0.00	0.16	0.00	0.00	0.00	0.00	0.37	4.6
SW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.16	0.00	0.11	0.00	0.00	0.00	0.37	5.2
WSW	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.10	0.37	5.2
W	0.00	0.00	0.00	0.06	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.11	0.32	6.9
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	3.2
NNW	0.00	0.00	0.00	0.11	0.00	0.21	0.00	0.05	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.47	3.2
N	0.00	0.00	0.00	0.00	0.05	0.10	0.16	0.21	0.21	0.32	0.21	0.16	0.00	0.05	0.00	1.47	4.5
TOTAL	0.00	0.00	0.11	0.00	0.26	0.26	0.16	0.21	0.16	0.00	0.10	0.00	0.00	0.00	0.00	1.26	3.1
	0.00	0.00	0.16	0.48	0.41	1.52	1.12	0.99	0.89	0.95	0.94	0.43	0.05	0.21	0.48	8.63	4.2

NUMBER OF INVALID OBSERVATIONS= 16.

PERCENT OF VALID OBSERVATIONS= 8.6

TABLE 159 - D

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.5 TO -1.4 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.05	0.11	0.11	0.26	0.05	0.16	0.11	0.26	0.00	0.21	0.11	0.00	0.00	0.10	1.53	3.9
NE	0.00	0.00	0.21	0.11	0.21	0.11	0.10	0.05	0.16	0.47	0.32	0.10	0.00	0.05	0.00	1.89	3.8
ENE	0.00	0.00	0.05	0.42	0.11	0.05	0.11	0.11	0.21	0.05	0.53	0.26	0.00	0.00	0.10	2.00	4.3
E	0.00	0.00	0.26	0.26	0.69	0.47	0.69	0.26	0.37	0.63	0.32	0.42	0.21	0.05	0.00	4.63	3.7
ESE	0.00	0.00	0.05	0.05	0.53	0.84	1.00	0.74	0.26	0.21	0.26	0.48	0.21	0.00	0.05	4.68	3.8
SE	0.00	0.00	0.05	0.00	0.47	0.42	0.58	0.79	0.42	0.63	1.11	0.68	0.32	0.11	0.21	5.79	4.7
SSE	0.00	0.00	0.00	0.16	0.21	0.37	0.58	0.47	0.37	0.68	1.37	0.79	0.47	0.00	0.00	5.47	4.7
S	0.00	0.00	0.16	0.00	0.16	0.32	0.21	0.58	0.53	0.31	0.42	0.31	0.21	0.26	0.05	3.52	4.6
SSW	0.00	0.00	0.00	0.11	0.05	0.21	0.42	0.21	0.26	0.37	0.47	0.16	0.00	0.16	0.00	2.42	4.4
Sw	0.00	0.00	0.05	0.00	0.16	0.16	0.00	0.11	0.05	0.05	0.05	0.16	0.00	0.05	0.00	0.84	4.0
wSW	0.00	0.05	0.16	0.16	0.11	0.11	0.21	0.00	0.05	0.05	0.16	0.10	0.05	0.00	0.21	1.42	4.5
w	0.00	0.00	0.00	0.00	0.11	0.11	0.05	0.21	0.05	0.00	0.11	0.53	0.10	0.05	0.00	1.32	5.2
WNW	0.00	0.00	0.21	0.32	0.11	0.05	0.11	0.00	0.10	0.16	0.68	0.16	0.21	0.10	0.05	2.26	4.5
NW	0.00	0.00	0.16	0.11	0.26	0.21	0.26	0.11	0.05	0.11	0.42	0.37	0.10	0.00	0.00	2.16	4.1
NNW	0.00	0.00	0.26	0.32	0.53	0.68	0.79	0.89	0.32	0.31	0.79	0.37	0.05	0.16	0.21	5.68	4.0
N	0.00	0.05	0.37	0.16	0.37	0.21	0.58	0.26	0.37	0.26	0.26	0.05	0.32	0.00	0.05	3.31	3.7
TOTAL	0.00	0.15	2.10	2.29	4.34	4.37	5.85	4.90	3.83	4.29	7.48	5.05	2.25	0.99	1.03	48.92	4.2

NUMBER OF INVALID OBSERVATIONS= 98.

PERCENT OF VALID OBSERVATIONS= 48.9

TABLE 159 - E

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -0.4 TO +1.5 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.26	2.5
NE	0.00	0.00	0.11	0.10	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.26	1.9
ENE	0.00	0.00	0.06	0.11	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.0
E	0.00	0.00	0.16	0.26	0.16	0.00	0.05	0.00	0.00	0.00	0.05	0.11	0.00	0.11	0.00	0.90	3.3
ESE	0.00	0.00	0.16	0.26	0.16	0.00	0.05	0.00	0.00	0.00	0.05	0.11	0.00	0.11	0.00	0.90	3.3
SE	0.00	0.11	0.26	0.68	0.16	0.21	0.00	0.11	0.00	0.11	0.10	0.00	0.16	0.05	0.21	2.16	3.5
SSE	0.00	0.16	0.42	0.74	0.63	1.00	0.37	0.47	0.21	0.21	0.32	0.00	0.05	0.00	0.00	4.58	2.7
S	0.00	0.05	0.00	0.21	0.37	0.69	0.42	0.58	0.16	0.21	0.26	0.26	0.00	0.00	0.00	3.21	3.5
SSW	0.00	0.11	0.21	0.11	0.00	0.16	0.37	0.21	0.32	0.10	0.10	0.05	0.05	0.00	0.00	1.79	3.3
SW	0.00	0.00	0.16	0.11	0.16	0.00	0.16	0.05	0.05	0.10	0.05	0.05	0.00	0.00	0.00	0.89	3.0
WSW	0.00	0.16	0.05	0.11	0.00	0.16	0.11	0.00	0.05	0.05	0.11	0.10	0.05	0.00	0.00	0.95	3.3
W	0.00	0.11	0.05	0.05	0.05	0.11	0.16	0.21	0.11	0.00	0.00	0.05	0.05	0.00	0.00	0.95	3.2
WNW	0.00	0.11	0.16	0.05	0.05	0.05	0.16	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.68	2.4
NW	0.00	0.53	0.47	0.37	0.52	0.21	0.05	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.16	2.47	2.4
NNW	0.00	0.11	0.42	0.58	0.26	0.16	0.10	0.21	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.89	2.0
N	0.00	0.26	0.63	0.32	0.16	0.26	0.16	0.26	0.05	0.00	0.11	0.05	0.00	0.00	0.00	2.26	2.3
TOTAL	0.00	0.11	0.21	0.05	0.05	0.00	0.05	0.05	0.05	0.00	0.00	0.11	0.00	0.00	0.00	0.68	2.6
	0.00	1.87	3.48	3.85	2.62	3.06	2.21	2.20	1.26	0.83	1.15	0.83	0.36	0.16	0.37	24.25	2.8

NUMBER OF INVALID OBSERVATIONS= 27.

PERCENT OF VALID OBSERVATIONS= 24.3

TABLE 159 - F

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +1.6 TO +4.0 IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.7
ESE	0.00	0.05	0.21	0.16	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.4
SE	0.00	0.26	0.32	0.11	0.21	0.10	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.6
SSE	0.00	0.21	0.11	0.11	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.4
S	0.00	0.06	0.05	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.5
SSW	0.00	0.21	0.06	0.00	0.05	0.00	0.00	0.05	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.53	2.3
SW	0.00	0.32	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.05	0.21	0.00	0.00	0.00	0.00	0.68	2.6
WSW	0.00	0.37	0.11	0.00	0.06	0.05	0.05	0.05	0.00	0.05	0.16	0.05	0.00	0.00	0.00	0.95	2.5
W	0.00	0.42	0.21	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	1.0
WNW	0.00	0.74	0.68	0.53	0.16	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	2.16	1.3
NW	0.00	0.05	0.63	0.37	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.3
NNW	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.21	2.2
N	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.7
TOTAL	0.00	2.89	2.60	1.33	0.69	0.30	0.15	0.20	0.16	0.10	0.47	0.05	0.00	0.00	0.00	8.94	1.6

NUMBER OF INVALID OBSERVATIONS= 23.

PERCENT OF VALID OBSERVATIONS= 8.9

TABLE 159 - G

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = +4.1 TO +INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.7
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.9
SE	0.00	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.9
SSE	0.00	0.16	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.8
S	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	1.8
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	4.0
SW	0.00	0.06	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.16	2.8
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.10	3.8
WNW	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.6
NW	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.9
NNW	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.5
N	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.7
TOTAL	0.00	0.92	0.30	0.05	0.00	0.05	0.00	0.05	0.05	0.05	0.00	0.00	0.05	0.00	0.00	1.52	1.4

NUMBER OF INVALID OBSERVATIONS= 9.

PERCENT OF VALID OBSERVATIONS= 1.5

TABLE 159 - ALL

DATA PERIOD 04/01/1984 THROUGH 06/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEED IN METERS/SEC FOR

DT100 = -INF TO +INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT100

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.11	0.32	0.26	0.26	0.05	0.16	0.16	0.32	0.00	0.26	0.10	0.00	0.00	0.10	2.10	3.4
NE	0.00	0.00	0.32	0.32	0.21	0.11	0.11	0.10	0.21	0.47	0.32	0.10	0.00	0.05	0.00	2.32	3.5
ENE	0.00	0.11	0.11	0.63	0.16	0.11	0.21	0.10	0.26	0.05	0.53	0.26	0.00	0.00	0.10	2.63	3.7
E	0.00	0.11	0.47	0.63	0.84	0.68	0.79	0.26	0.37	0.63	0.37	0.53	0.21	0.16	0.00	6.05	3.5
ESE	0.00	0.21	0.58	0.90	0.84	1.21	1.42	1.05	0.53	0.32	0.37	0.47	0.37	0.05	0.26	8.58	3.5
SE	0.00	0.53	0.84	0.84	1.31	1.79	1.37	1.53	0.74	1.00	1.68	0.68	0.37	0.21	0.21	13.10	3.6
SSE	0.00	0.42	0.21	0.53	0.58	1.31	1.00	1.37	0.52	1.16	1.79	1.16	0.58	0.05	0.00	10.68	4.1
S	0.00	0.21	0.47	0.21	0.21	0.53	0.58	0.84	1.16	0.42	0.68	0.42	0.26	0.42	0.32	6.73	4.3
SSW	0.00	0.21	0.21	0.21	0.26	0.26	0.58	0.37	0.58	0.68	0.63	0.32	0.00	0.16	0.00	4.47	3.9
SW	0.00	0.53	0.11	0.11	0.21	0.58	0.26	0.10	0.16	0.21	0.37	0.26	0.05	0.05	0.10	3.10	3.5
WSW	0.00	0.58	0.32	0.26	0.21	0.31	0.58	0.37	0.16	0.16	0.31	0.21	0.16	0.00	0.42	4.05	3.9
W	0.00	0.58	0.37	0.05	0.16	0.26	0.32	0.26	0.05	0.05	0.11	0.58	0.16	0.05	0.00	3.00	3.4
WNW	0.00	1.47	1.37	1.31	1.00	0.37	0.21	0.11	0.42	0.21	0.74	0.16	0.21	0.10	0.21	7.89	2.7
NW	0.00	0.16	1.26	1.21	0.89	0.68	0.63	0.37	0.11	0.11	0.58	0.42	0.10	0.00	0.00	6.52	2.7
NNW	0.00	0.32	1.05	0.74	0.95	1.26	1.26	1.74	0.79	0.89	1.68	0.68	0.11	0.21	0.21	11.89	3.7
N	0.00	0.32	0.68	0.21	0.84	0.74	1.21	0.74	0.79	0.32	0.42	0.26	0.31	0.00	0.05	6.89	3.4
TOTAL	0.00	5.87	8.69	8.42	8.93	10.25	10.69	9.47	7.17	6.68	10.84	6.61	2.89	1.51	1.98	100.00	3.6

NUMBER OF INVALID OBSERVATIONS= 283.

PERCENT OF VALID OBSERVATIONS= 87.0

RELEASE NUMBER 84001 CONTAINMENT PURGE

STARTING TIME JAN 5,1984 HOUR 18 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	3.9	292.6	0.9
19	5.4	317.3	0.4
20	3.9	333.7	1.0
21	3.5	342.1	0.0
22	6.6	312.3	0.0
23	7.8	319.8	0.0
24	6.7	315.9	0.0
1	6.0	319.3	0.8
2	7.7	309.6	0.8
3	8.0	310.1	0.4
4	8.5	305.1	0.4
5	9.2	310.0	0.2
6	8.3	309.8	0.3
7	7.6	308.4	0.3
8	5.4	315.7	1.0
9	5.5	301.6	0.7
10	5.0	298.2	0.7
11	5.1	289.0	0.0
12	4.3	289.5	0.0
13	5.0	277.7	-0.4
14	6.0	253.4	-0.9
15	3.4	249.9	-0.7
16	3.2	269.3	-0.7
17	3.0	237.9	0.3
18	2.4	296.7	-0.2
19	2.0	220.6	-0.1
20	3.5	269.8	0.4
21	0.3	258.9	0.4
22	4.4	276.5	0.5
23	5.2	297.1	0.4
24	3.2	297.2	1.8
1	2.7	274.6	2.9
2	2.1	184.2	2.9
3	1.5	242.7	3.0
4	1.6	258.7	4.0
5	2.1	37.7	4.0
6	2.3	209.1	3.7
7	1.7	254.3	5.1
8	1.8	311.8	5.4
9	2.6	294.8	3.3
10	2.5	318.4	1.9
11	2.1	2.2	2.0
12	2.8	354.0	-0.6
13	3.4	315.4	-0.8
14	4.7	324.0	-0.8
15	4.4	283.7	-0.5
16	4.1	313.1	-0.3
17	3.9	318.0	0.2
18	4.1	323.7	0.3

19	3.6	321.6	0.8
20	3.2	308.7	1.3
21	3.4	307.0	1.1
22	3.2	284.0	0.6
23	3.6	302.9	1.2
24	3.6	315.7	1.7
1	3.4	326.6	0.9
2	3.9	297.5	1.4
3	2.4	284.7	1.8
4	1.8	329.8	2.1
5	2.0	247.4	3.0
6	1.7	178.7	2.3
7	2.9	145.4	1.4
8	2.9	168.5	1.3
9	4.0	130.5	1.0
10	6.0	128.6	0.0
11	8.6	123.6	0.0
12	8.2	126.8	0.0
13	7.2	123.8	-0.6
14	9.3	116.1	-0.7
15	9.7	122.7	-0.8
16	9.1	111.2	-0.9
17	6.5	89.7	-0.6
18	4.7	78.9	-0.6
19	4.7	177.7	-0.5
20	6.3	189.1	-0.9
21	4.4	352.1	-0.7
22	5.2	92.9	-1.1
23	4.9	101.0	-0.8
24	3.9	27.1	-0.7
1	4.9	34.7	-0.9
2	4.8	25.7	-0.9
3	4.9	42.8	-0.9
4	4.7	40.5	-0.9
5	4.7	5.4	-1.0
6	5.1	357.7	-1.0
7	5.6	348.2	-0.3
8	6.6	337.9	-0.9

STOP TIME JAN 9,1984 HOUR 7 MINUTE 30

RELEASE NUMBER 84002 CONTAINMENT PURGE

STARTING TIME JAN 12,1984 HOUR 17 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	7.4	336.5	-0.9
18	7.6	339.6	-0.7
19	7.7	344.8	-0.7
20	8.4	334.2	-1.0
21	8.1	336.1	-1.0
22	8.3	339.8	-1.0
23	8.7	337.1	-0.7
24	8.2	332.0	-1.0
1	9.0	332.1	-0.2
2	8.7	333.9	-1.0
3	9.2	331.7	-0.9
4	9.5	328.9	-1.0
5	9.3	329.4	-0.9
6	8.5	330.6	-1.0
7	8.5	327.1	-0.8
8	6.7	316.2	-0.9
9	6.8	316.3	-0.9
10	7.7	321.8	-0.8
11	8.3	319.5	-0.8
12	8.0	319.5	-0.9
13	8.7	323.8	-1.0
14	8.5	331.3	-1.1
15	7.8	343.0	-1.2
16	8.3	326.9	-1.0
17	7.8	322.5	-0.9
18	7.5	320.3	-0.3
19	4.7	319.9	-0.4
20	4.4	321.9	-0.8
21	4.3	312.3	0.3
22	3.8	304.0	-0.3
23	5.4	318.5	-0.1
24	4.3	305.5	-0.1
1	3.8	307.7	0.6
2	3.8	303.1	0.1
3	4.4	348.2	-0.6
4	6.1	0.3	-1.0
5	6.6	9.6	-0.5
6	6.7	330.9	-0.8
7	4.7	348.2	-0.8
8	4.5	337.1	-0.3
9	4.4	359.4	-1.4
10	5.4	14.3	-1.0
11	4.6	347.8	-0.8
12	4.8	328.6	-0.3
13	5.9	326.5	-0.6
14	6.3	321.8	-0.6
15	5.6	317.3	-0.3
16	5.4	318.9	-0.4
17	4.6	324.3	-0.3

18	4.7	320.1	0.6
19	3.4	307.9	-0.1
20	2.7	309.2	0.7
21	2.5	48.6	-0.4
22	3.5	66.3	-0.3
23	4.7	76.3	-0.7
24	4.8	82.4	-0.9
1	3.3	67.3	-0.8
2	1.9	31.9	-0.6
3	4.2	45.0	-0.6
4	4.6	58.8	-0.8
5	4.2	55.9	-0.8
6	4.1	54.5	-0.9
7	4.1	57.9	-0.6
8	2.8	65.8	-0.5
9	3.2	49.5	-0.6
10	2.7	42.0	-0.7
11	1.9	0.3	-0.6
12	3.2	32.5	-0.8
13	2.0	60.9	-1.2
14	2.2	359.8	-1.6
15	3.9	37.9	-1.3
16	3.1	24.8	-1.0
17	1.5	337.5	0.0
18	2.2	165.3	0.5
19	2.4	191.0	1.0
20	5.5	214.3	0.9
21	7.5	209.0	1.3
22	6.9	203.0	0.8
23	7.4	189.5	-0.2
24	8.4	207.2	0.3
1	8.9	219.1	-0.2
2	7.2	207.6	0.2
3	6.1	196.1	0.4

STOP TIME JAN 16,1984 HOUR 2 MINUTE 10

RELEASE NUMBER 84003 CONTAINMENT PURGE

STARTING TIME JAN 19,1984 HOUR 20 MINUTE 44

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	7.1	326.6	-0.2
21	4.9	312.7	-0.2
22	3.0	304.2	0.3
23	2.9	298.9	0.2
24	3.5	305.5	0.3
1	7.2	329.0	0.4
2	6.3	330.7	-0.1
3	4.5	323.5	0.2
4	4.4	314.9	0.2
5	5.4	320.5	0.5
6	4.0	311.4	0.4
7	3.6	311.9	0.4
8	3.0	301.2	0.8
9	3.8	296.0	0.2
10	5.4	313.6	-0.6
11	4.9	318.2	-0.9
12	4.8	306.5	-0.9
13	5.7	267.4	-1.1
14	4.8	286.9	-1.2
15	4.7	274.6	-1.2
16	4.9	240.8	-1.0
17	5.5	190.2	-0.9
18	5.2	162.6	-0.5
19	4.2	146.8	0.9
20	7.0	149.8	0.3
21	7.3	146.9	0.6
22	9.2	178.7	0.1
23	6.5	188.3	0.1
24	3.2	187.3	-0.1
1	2.1	192.1	-0.1
2	0.9	197.8	0.2
3	0.9	201.8	0.2
4	0.9	204.0	-0.2
5	2.5	204.7	-0.6
6	7.2	193.2	-0.6
7	9.1	177.9	-0.5
8	8.8	197.0	-0.6
9	7.9	191.1	-0.3
10	7.9	203.5	-0.8
11	7.2	209.2	-0.9
12	7.2	211.4	-1.1
13	8.0	207.3	-1.0
14	8.3	201.3	-1.1
15	8.2	207.3	-1.0
16	8.6	197.4	-1.0
17	6.9	184.3	-0.9
18	5.3	163.9	-0.6
19	5.2	143.1	-0.6
20	5.7	146.2	-0.5

21	5.8	146.5	-0.7
22	5.1	132.6	-0.5
23	4.5	125.1	-0.7
24	4.8	122.9	-0.4
1	5.9	116.8	-0.2
2	6.6	151.4	-0.1
3	8.8	155.4	0.5
4	7.1	151.6	1.2
5	8.2	128.4	1.0
6	6.4	121.2	0.8
7	6.9	132.5	0.9
8	8.1	137.5	0.3
9	7.9	133.0	0.7
10	8.4	141.2	0.4
11	8.8	169.4	-0.8
12	4.5	173.9	-1.0
13	2.6	183.9	-1.0
14	2.2	185.3	-1.0
15	5.2	185.1	-1.0
16	8.3	185.9	-0.9
17	8.2	184.5	-0.9
18	5.6	169.6	-0.7
19	2.9	132.5	-0.4
20	4.7	141.4	0.0
21	6.0	144.5	-0.3
22	8.9	164.2	-0.9
23	9.3	164.0	-0.8
24	9.0	163.1	-1.0
1	9.3	167.6	-0.7
2	8.7	158.1	-0.8
3	9.3	161.9	-0.8
4	9.3	165.6	-0.9
5	8.2	156.6	-0.8

STOP TIME JAN 23,1984 HOUR 4 MINUTE 32

RELEASE NUMBER 84004 CONTAINMENT PURGE

STARTING TIME JAN 27,1984 HOUR 14 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	6.2	169.3	-1.0
15	1.3	175.8	-1.0

STOP TIME JAN 27,1984 HOUR 14 MINUTE 56

RELEASE NUMBER 84005 CONTAINMENT PURGE

STARTING TIME JAN 27,1984 HOUR 20 MINUTE 19

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	8.6	192.3	-0.8
21	5.4	207.0	-0.8
22	1.0	214.0	-0.6
23	1.0	214.2	-0.4
24	1.8	217.7	0.1
1	2.5	230.6	1.7
2	2.7	242.5	1.2
3	3.3	251.8	1.8
4	5.5	269.3	0.3
5	7.8	273.8	0.3
6	8.4	271.6	0.2
7	7.6	281.0	0.5
8	7.5	288.8	0.7
9	6.9	284.0	0.7
10	6.7	288.8	0.3
11	7.6	305.7	-0.1
12	7.4	309.9	-0.3
13	6.8	302.5	-0.2
14	5.8	322.6	-0.4
15	6.3	327.2	-0.5
16	6.4	326.4	-0.1
17	7.8	318.1	0.1
18	5.9	313.0	0.4
19	3.9	302.0	0.9
20	7.7	285.1	0.6
21	5.2	279.6	-0.0
22	5.2	285.4	0.2
23	4.0	301.1	1.4
24	6.9	248.6	2.1
1	3.8	269.5	1.9
2	3.9	247.4	2.5
3	2.3	44.2	3.2
4	3.0	120.8	4.5
5	3.4	133.0	4.6
6	4.7	104.3	2.0
7	6.7	113.0	1.3
8	6.7	111.7	0.6
9	6.3	132.1	-0.2
10	8.3	177.7	-0.4
11	6.0	234.3	-0.4
12	7.5	267.9	-0.3
13	7.6	278.9	0.1
14	5.3	301.3	0.1
15	2.0	304.9	-0.3
16	1.0	300.9	-0.0
17	1.2	307.0	-0.2
18	0.8	318.6	-0.4
19	1.0	328.0	-1.0
20	2.5	334.3	-1.2

21	5.3	340.9	-1.0
22	5.9	342.4	-0.9
23	5.0	343.3	-1.0
24	5.9	338.8	-1.0
1	5.5	339.1	-1.0
2	5.9	338.5	-0.9
3	7.7	333.6	-0.6
4	7.9	328.2	-0.5
5	8.4	334.9	-1.0
6	7.8	331.9	-0.8
7	7.8	330.4	-0.6
8	7.7	334.5	-0.6

STOP TIME JAN 30,1984 HOUR 7 MINUTE 52

RELEASE NUMBER 84006 CONTAINMENT PURGE

STARTING TIME FEB 2,1984 HOUR 16 MINUTE 37

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	5.0	319.8	-0.8
17	7.9	316.3	-0.8
18	8.7	309.0	-0.6
19	8.4	311.2	-0.7
20	8.2	319.9	-0.7
21	6.5	306.4	-0.6
22	4.5	285.1	-0.2
23	7.2	251.4	0.5
24	7.5	229.6	0.4
1	7.6	246.5	0.4
2	6.2	242.8	1.5
3	5.3	241.1	3.1
4	3.1	235.1	2.7
5	6.5	240.0	1.5
6	6.4	249.9	0.6
7	6.7	275.6	-0.1
8	7.7	287.2	-0.2
9	8.4	293.6	-0.1
10	8.2	295.8	-0.5
11	8.4	302.8	-0.5
12	7.8	306.2	-0.7
13	6.6	307.0	-0.6
14	6.6	321.9	-0.6
15	8.4	316.6	-0.6
16	8.6	310.6	-0.5
17	8.1	306.7	-0.3
18	8.6	297.5	0.1
19	8.8	293.2	-0.2
20	8.9	291.8	-0.1
21	8.2	305.9	0.1
22	7.5	318.9	-0.2
23	4.9	322.7	-0.5
24	7.9	318.5	-0.5
1	8.2	317.2	-0.5
2	7.3	310.6	0.1
3	7.8	314.0	-0.5
4	7.6	316.3	-0.6
5	7.6	312.3	-0.8
6	7.6	314.1	-0.3
7	7.0	316.0	-0.7
8	7.9	311.0	-0.7
9	6.9	310.5	-0.7
10	7.8	326.0	-0.9
11	6.9	333.9	-1.0
12	7.7	330.0	-1.2
13	7.4	319.4	-1.1
14	7.2	312.6	-0.8
15	6.9	328.1	-0.9
16	7.1	334.0	-0.9

17	8.2	321.6	-0.8
18	7.5	319.6	-0.7
19	6.7	306.8	-0.4
20	6.1	286.1	-0.4
21	7.1	274.0	-0.4
22	7.6	266.2	-0.4
23	3.5	307.1	-0.5
24	2.7	342.0	-1.3
1	2.8	337.8	-0.9
2	1.8	335.1	-1.0
3	2.3	335.3	-1.1
4	3.6	334.9	-1.2
5	3.6	338.8	-1.1
6	3.7	335.9	-1.0
7	5.0	339.3	-1.1
8	4.6	335.0	-0.9
9	5.2	335.7	-1.1
10	6.3	339.4	-1.3
11	6.6	343.7	-1.4
12	6.3	341.3	-1.5
13	7.1	337.4	-1.5
14	7.3	340.5	-1.5
15	6.5	332.1	-1.5
16	8.3	330.1	-1.3
17	8.2	332.2	-1.2
18	8.9	328.1	-1.1
19	8.0	331.2	-0.9
20	7.0	334.2	-0.8
21	6.9	323.1	-0.9
22	3.9	330.9	-1.3
23	2.3	23.8	-0.8
24	2.5	183.7	-1.0
1	2.9	215.2	-0.6
2	4.8	153.6	-0.4
3	5.1	141.2	-0.3
4	6.9	149.8	-0.2
5	6.4	135.8	-0.6
6	7.3	133.2	-0.6
7	7.7	135.1	-0.6
8	6.2	135.4	-0.4

STOP TIME FEB 6,1984 HOUR 7 MINUTE 20

RELEASE NUMBER 84007 CONTAINMENT PURGE

STARTING TIME FEB 9,1984 HOUR 22 MINUTE 32

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	2.9	131.5	1.4
23	3.8	192.9	2.1
24	4.9	204.7	1.2
1	7.6	218.2	0.9
2	5.8	236.7	0.7
3	6.9	233.9	0.4
4	7.8	222.9	-0.9
5	2.7	141.9	-0.4
6	3.3	187.4	-0.7
7	3.7	194.2	-0.9
8	5.4	199.9	-0.8
9	7.5	205.6	-0.7
10	7.9	198.6	-1.0
11	8.7	196.5	-1.1
12	8.1	184.6	-1.1

STOP TIME FEB 10,1984 HOUR 11 MINUTE 21

STARTING TIME FEB 10,1984 HOUR 12 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	8.1	184.6	-1.1
13	8.6	187.8	-1.1
14	9.1	184.4	-1.0
15	8.5	185.4	-1.0
16	9.1	177.0	-0.9
17	7.5	165.9	-0.7
18	6.3	158.0	-0.8
19	6.4	139.7	-0.4
20	6.7	126.9	0.1
21	6.9	131.3	0.5
22	6.4	132.7	0.9
23	6.1	133.1	1.0
24	6.0	129.3	1.4
1	5.9	139.5	1.2
2	5.4	134.0	1.2
3	6.3	134.1	-0.0
4	7.2	130.7	-0.2
5	8.0	122.8	-0.4
6	7.2	112.2	-0.3
7	9.1	106.7	-0.8
8	8.0	101.4	-0.5
9	8.6	102.5	-0.8
10	7.9	100.2	-0.7
11	9.1	103.8	-0.3

12	8.3	110.2	-0.4
13	7.5	111.0	-0.5
14	6.7	100.3	-0.4
15	4.9	76.4	-0.1
16	4.2	50.3	0.5
17	3.1	35.0	0.5
18	2.5	7.6	1.3
19	4.3	322.8	2.0
20	3.5	295.1	2.4
21	3.1	291.3	3.0
22	3.0	294.3	2.2
23	2.0	151.5	3.5
24	3.0	359.2	6.6
1	5.5	156.4	4.5
2	9.1	154.2	0.8
3	8.5	165.9	-0.0
4	7.1	192.0	-0.6
5	6.3	191.1	-0.7
6	7.3	192.1	-0.6
7	8.4	199.6	-0.7
8	7.9	204.0	-0.7
9	7.4	223.8	-0.8
10	7.7	222.6	-1.1
11	8.2	237.6	-1.1
12	8.0	242.5	-1.0
13	7.4	247.1	-0.5
14	8.2	246.5	-1.1
15	7.9	245.2	-1.1
16	7.1	244.4	-0.9
17	8.6	251.2	-1.0
18	7.9	261.9	-0.8
19	7.5	270.8	-0.6
20	5.6	276.7	-0.5
21	5.0	259.3	-0.4
22	5.4	265.4	-0.4
23	5.6	268.3	-0.5
24	4.2	270.0	-0.7
1	4.7	277.8	-0.8
2	4.9	272.0	-0.7
3	6.2	260.1	-0.7
4	5.3	274.9	-0.8
5	6.4	273.4	-0.8
6	6.0	272.5	-0.6
7	7.7	261.3	-0.6
8	6.6	260.8	-0.4

STOP TIME FEB 13,1984 HOUR 7 MINUTE 21

RELEASE NUMBER 84008 CONTAINMENT PURGE

STARTING TIME FEB 16,1984 HOUR 16 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	7.7	329.0	-1.1
17	7.6	330.4	-1.0
18	7.3	329.4	-1.1
19	6.9	315.7	-1.2
20	7.3	320.8	-0.7
21	7.3	310.1	-0.8
22	6.7	316.6	-0.8
23	6.0	321.6	-0.6
24	7.3	310.3	-0.9
1	7.1	317.7	-0.6
2	8.1	310.5	-0.8
3	8.1	321.0	-1.1
4	7.7	328.2	-0.9
5	7.0	323.0	-1.0
6	6.8	332.9	-0.8
7	6.1	336.1	-1.2
8	4.3	351.9	-0.9
9	3.8	341.6	-1.0
10	3.6	347.3	-0.8
11	3.2	290.5	-1.1
12	3.3	259.9	-1.1
13	3.6	291.6	-1.1
14	3.9	346.9	-1.3
15	3.9	14.0	-1.3
16	5.4	8.7	-1.2
17	4.2	12.4	-1.5
18	5.3	29.6	-0.4
19	5.7	46.2	-1.0
20	5.7	68.0	-0.8
21	6.2	78.8	-0.6
22	6.5	97.6	-0.7
23	5.1	255.4	-0.7
24	2.3	44.9	-0.7
1	3.2	67.1	-0.5
2	5.3	31.1	-0.3
3	4.9	63.7	-0.7
4	5.6	58.8	-0.6
5	7.3	60.1	-0.6
6	7.6	59.7	-0.6
7	7.5	66.0	-0.9
8	6.5	62.5	-0.5
9	7.4	60.4	-0.6
10	6.6	48.9	-0.3
11	5.7	38.0	-0.5
12	5.3	35.7	-0.4
13	6.6	32.3	-0.6
14	6.5	12.4	-0.7
15	6.2	6.8	-0.6
16	4.7	347.9	-0.6

17	5.8	336.9	-0.8
18	6.8	333.3	-0.8
19	7.9	326.0	-0.4
20	6.8	324.3	-0.8
21	7.8	320.4	-0.8
22	5.1	319.3	-0.9
23	6.5	315.2	-1.3
24	7.0	317.6	-1.2
1	7.0	314.8	-0.9
2	6.1	317.8	-0.9
3	6.6	319.4	-0.8
4	6.4	319.4	-0.9
5	5.6	323.8	-0.7
6	7.4	326.0	-1.0
7	7.2	327.7	-0.8
8	7.4	327.0	-0.9
9	7.9	320.5	-1.5
10	8.0	319.6	-1.0
11	8.9	311.0	-0.9
12	5.7	320.9	-1.1
13	7.2	321.4	-1.1
14	8.1	323.4	-1.1
15	7.9	319.6	-1.1
16	7.4	320.8	-1.0
17	7.9	322.2	-0.8
18	7.8	316.9	-0.5
19	5.0	313.4	0.1
20	5.8	319.0	0.2
21	4.8	320.5	0.6
22	3.5	327.7	0.3
23	3.2	303.9	1.1
24	2.5	282.3	0.9
1	5.1	294.5	1.2
2	4.5	295.3	1.4
3	3.2	296.4	2.0
4	2.1	302.6	2.7
5	1.7	70.6	2.1
6	1.7	95.8	1.8
7	2.0	179.2	1.7
8	1.9	52.9	2.0

STOP TIME FEB 20,1984 HOUR 7 MINUTE 40

RELEASE NUMBER 84009 CONTAINMENT PURGE

STARTING TIME FEB 23,1984 HOUR 18 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	7.6	330.0	-0.8
19	6.4	324.4	-0.3
20	4.0	312.2	0.9
21	4.2	314.5	0.5
22	4.5	313.2	1.0
23	4.1	309.0	0.9
24	3.6	297.2	1.1
1	3.7	302.4	1.2
2	3.3	317.7	1.4
3	1.4	324.3	0.8
4	2.2	276.5	0.2
5	2.3	279.9	0.3
6	2.9	294.1	0.7
7	2.3	290.1	0.8
8	1.3	157.2	1.2
9	1.7	253.4	0.2
10	1.7	268.2	-0.4
11	1.8	95.0	-0.8

STOP TIME FEB 24,1984 HOUR 10 MINUTE 13

STARTING TIME FEB 24,1984 HOUR 11 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	1.8	95.0	-0.8
12	2.8	69.2	-0.9
13	3.2	324.6	-1.2
14	2.9	313.3	-1.2
15	2.6	38.5	-1.4
16	3.8	222.7	-1.3
17	4.0	254.3	-1.0
18	2.0	308.7	-0.8
19	1.8	324.3	0.1
20	1.7	311.0	0.1
21	1.5	275.8	1.1
22	1.8	166.4	2.3
23	1.7	108.8	3.3
24	1.5	128.1	3.9
1	2.4	151.3	4.5
2	3.8	164.5	3.5
3	3.0	128.9	3.2
4	3.0	118.4	2.9
5	3.4	105.3	3.9
6	2.4	103.4	3.3
7	3.2	118.3	3.7

8	5.9	121.0	4.6
9	5.3	161.8	1.2
10	6.3	129.6	-0.7
11	5.9	126.5	-0.8
12	8.7	146.2	-1.1
13	7.-	116.2	-1.2
14	8.4	129.5	-1.1
15	9.4	134.2	-1.1
16	9.3	123.4	-1.0
17	6.2	112.3	-0.9
18	4.0	102.6	-0.9
19	4.1	130.3	-0.1
20	3.6	128.4	0.2
21	3.4	132.1	0.3
22	3.2	121.6	0.3
23	2.1	75.1	0.8
24	2.1	292.2	0.9
1	1.6	290.2	1.3
2	1.9	284.4	0.6
3	3.0	297.1	1.6
4	2.2	292.3	1.3
5	3.5	306.8	1.1
6	3.6	295.5	1.5
7	3.7	294.3	1.2
8	4.1	299.1	0.4
9	4.7	310.1	-0.4
10	4.7	330.9	-0.8
11	5.2	342.1	-1.2
12	5.9	345.6	-1.3
13	6.5	353.0	-1.4
14	7.3	344.1	-1.3
15	7.8	337.5	-1.2
16	7.2	340.5	-0.7
17	7.9	337.3	-0.9
18	7.9	335.3	-1.1
19	7.3	339.3	-1.2
20	7.0	346.4	-1.2
21	6.8	350.7	-0.9
22	6.8	348.1	-0.9
23	6.2	343.6	-0.9
24	6.3	341.7	-0.8
1	6.7	345.0	-0.9
2	5.6	340.9	-1.0
3	6.1	334.8	-1.0
4	5.2	342.3	-1.1
5	6.9	333.8	-1.0
6	6.8	345.2	-0.9

STOP TIME FEB 27,1984 HOUR 5 MINUTE 52

RELEASE NUMBER 84010 CONTAINMENT PURGE

STARTING TIME MAR 1,1984 HOUR 14 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	3.5	349.7	-1.4
15	4.8	13.9	-1.5
16	3.8	2.5	-1.4
17	3.4	350.4	-1.2
18	2.0	5.1	-1.1
19	2.5	274.8	0.4
20	3.3	295.6	1.3
21	2.6	292.5	1.2
22	2.8	304.6	1.2
23	3.1	306.3	0.9
24	3.2	301.7	0.5
1	4.8	321.0	-0.3
2	6.0	329.7	-0.4
3	5.2	336.2	-0.6
4	3.6	335.9	-0.7
5	4.1	1.8	-0.9
6	4.3	36.4	-0.9
7	4.1	46.3	-1.0
8	4.8	56.2	-0.8
9	4.3	61.5	-1.3
10	4.7	44.8	-0.8
11	4.7	34.1	-1.0
12	4.5	40.3	-1.2
13	4.8	34.3	-1.3
14	4.5	39.2	-1.3
15	4.2	37.6	-1.2
16	4.4	43.1	-1.3
17	3.6	15.9	-1.1
18	4.1	38.7	-1.0
19	3.4	59.6	-1.4
20	2.4	51.9	-0.9
21	2.7	71.2	-0.8
22	1.6	88.4	-0.7
23	2.5	144.2	-0.6
24	3.8	123.4	-0.6
1	3.5	140.7	-0.8
2	2.6	133.6	-0.5
3	5.0	124.5	-0.4
4	3.7	144.4	-0.1
5	3.1	125.4	-0.4
6	3.3	138.6	0.1
7	2.9	144.1	0.3
8	2.5	132.5	0.4
9	5.9		
		126.7	-0.5

STOP TIME MAR 3,1984 HOUR 8 MINUTE 16

STARTING TIME MAR 3,1984 HOUR 8 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	2.5	132.5	0.4
9	5.9	126.7	-0.5
10	9.8	130.8	-1.1
11	9.6	141.1	-1.2
12	9.5	136.6	-1.3
13	7.8	150.0	-1.1
14	7.1	123.2	-1.1
15	9.0	136.5	-1.2
16	8.7	127.5	-1.0
17	9.2	111.8	-0.8
18	9.6	128.2	-0.7
19	7.5	118.6	-0.5
20	4.9	124.4	-0.5
21	8.4	130.2	-0.5
22	6.3	131.7	-0.6
23	6.6	127.9	-0.5
24	9.1	146.5	-0.4
1	6.1	126.5	-0.4
2	3.8	127.8	-0.4
3	6.0	114.7	-0.6
4	2.8	291.8	-0.8
5	2.0	354.6	-0.7
6	2.0	28.8	-0.5
7	3.3	309.4	-0.7
8	6.5	311.2	-0.9
9	8.4	309.9	-1.3
10	8.2	310.2	-1.1
11	8.1	306.9	-0.9
12	5.9	306.0	-0.9
13	5.2	304.5	-1.1

STOP TIME MAR 4,1984 HOUR 12 MINUTE 19

RELEASE NUMBER 84011 CONTAINMENT PURGE

STARTING TIME MAR 4,1984 HOUR 15 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
15	3.9	299.7	-0.8
16	1.5	306.7	-0.8
17	2.1	312.0	-0.9
18	4.2	316.1	-0.8

STOP TIME MAR 4,1984 HOUR 17 MINUTE 30

STARTING TIME MAR 4,1984 HOUR 21 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	5.1	317.7	-0.9
22	5.0	315.4	-1.0
23	5.9	320.4	-1.2

STOP TIME MAR 4,1984 HOUR 22 MINUTE 50

RELEASE NUMBER 84012 CONTAINMENT PURGE

STARTING TIME MAR 5,1984 HOUR 1 MINUTE 57

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	6.7	316.2	-0.7
2	6.7	319.1	-1.1
3	6.7	326.4	-1.0
4	8.1	324.4	-0.9
5	7.2	323.4	-0.7
6	8.4	318.9	-0.7
7	8.8	316.2	-0.6
8	7.7	322.7	-0.9
9	5.8	331.0	-1.1
10	5.6	328.8	-1.3
11	5.6	324.1	-1.4
12	5.8	328.4	-1.4
13	5.7	321.2	-1.5
14	7.3	331.3	-1.5
15	6.9	330.1	-1.4

STOP TIME MAR 5,1984 HOUR 14 MINUTE 38

RELEASE NUMBER 84013 CONTAINMENT PURGE

STARTING TIME MAR 5,1984 HOUR 18 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	6.7	343.2	-1.2
19	5.7	346.7	-1.0
20	4.2	337.3	-0.6
21	3.8	353.7	-1.1
22	5.3	345.5	-1.1
23	4.9	343.3	-1.1
24	4.4	356.4	-1.0
1	4.9	343.9	-1.5
2	6.0	339.4	-0.7
3	6.3	11.6	-1.2
4	4.9	11.2	-1.0
5	5.1	21.9	-1.0
6	4.9	30.3	-1.1
7	4.5	28.3	-0.6
8	4.3	31.2	-0.9
9	4.4	38.0	-1.1
10	4.6	45.1	-1.4
11	4.8	77.7	-1.4

STOP TIME MAR 6,1984 HOUR 10 MINUTE 7

RELEASE NUMBER 84014 CONTAINMENT PURGE

STARTING TIME MAR 6,1984 HOUR 14 MINUTE 39

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	6.2	118.4	-1.5
15	6.1	116.9	-1.4
16	6.9	119.0	-1.3
17	6.3	102.0	-1.2
18	7.7	103.6	-1.0
19	7.6	103.2	-0.9
20	8.5	109.1	-1.0
21	7.9	91.5	-0.3
22	7.5	87.9	-0.5
23	7.3	77.1	-0.8
24	6.4	53.4	-1.1
1	8.0	42.4	-0.7

STOP TIME MAR 7,1984 HOUR 0 MINUTE 15

STARTING TIME MAR 7,1984 HOUR 1 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	8.0	42.4	-0.7
2	7.6	41.2	-1.0
3	6.8	44.9	-1.0
4	6.4	45.3	-1.1
5	5.6	36.0	-1.2
6	4.5	17.2	-1.3
7	4.1	26.3	-0.9
8	2.6	20.4	-1.0
9	2.4	310.4	-1.0
10	2.5	107.6	-1.2
11	7.3	149.9	-1.0
12	8.5	165.1	-1.1
13	9.4	174.9	-1.0
14	8.0	205.8	-1.0
15	5.1	246.9	-1.0
16	6.8	304.1	-0.9
17	7.8	325.2	-0.9
18	7.4	316.2	-0.6
19	6.9	325.0	-0.7
20	5.8	317.3	-0.8
21	4.0	311.8	-0.8
22	3.9	306.3	-0.7
23	2.3	302.0	-0.6
24	3.6	311.3	-1.0
1	4.7	312.0	-0.8
2	3.5	321.7	-0.8
3	4.3	328.1	-0.9

4	6.0	326.0	-1.0
5	7.2	323.9	-1.2

STOP TIME MAR 8,1984 HOUR 4 MINUTE 30

RELEASE NUMBER 84015 CONTAINMENT PURGE

STARTING TIME MAR 8,1984 HOUR 11 MINUTE 19

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	8.1	333.2	-1.3
12	7.8	330.8	-1.3
13	8.1	334.9	-1.4
14	7.1	337.6	-1.4
15	6.6	336.5	-1.3
16	6.2	348.9	-1.2
17	6.4	323.2	-1.2

STOP TIME MAR 8,1984 HOUR 16 MINUTE 25

RELEASE NUMBER 84016 CONTAINMENT PURGE

STARTING TIME MAR 8,1984 HOUR 21 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	2.9	8.9	-1.1
22	1.9	305.8	-0.2
23	1.6	280.5	-0.2
24	1.6	224.3	-0.1
1	1.8	220.2	0.3
2	1.7	177.9	0.6
3	1.6	197.3	0.7
4	3.0	131.8	0.8
5	2.9	136.9	0.8
6	3.0	135.0	0.6
7	4.2	128.8	0.4
8	5.6	138.7	-0.9

STOP TIME MAR 9,1984 HOUR 7 MINUTE 35

RELEASE NUMBER 84017 CONTAINMENT PURGE

STARTING TIME MAR 9,1984 HOUR 9 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	6.5	129.2	-1.1
10	6.2	122.1	-1.1
11	6.6	126.4	-1.0
12	7.3	127.9	-1.0
13	5.2	135.9	-0.7
14	4.2	133.2	-0.8
15	4.4	135.9	-0.7
16	2.8	127.4	-0.8
17	3.1	54.2	-1.2
18	3.5	18.0	-1.2

STOP TIME MAR 9,1984 HOUR 17 MINUTE 38

RELEASE NUMBER 84018 CONTAINMENT PURGE

STARTING TIME MAR 9,1984 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	3.5	18.0	-1.2
19	4.8	326.3	-0.9
20	5.3	331.3	-1.0
21	6.0	334.3	-1.0
22	5.5	331.7	-0.6
23	5.9	315.9	0.4
24	4.2	291.7	1.2

STOP TIME MAR 9,1984 HOUR 23 MINUTE 27

RELEASE NUMBER 84019 CONTAINMENT PURGE

STARTING TIME MAR 10,1984 HOUR 1 MINUTE 17

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	3.0	290.9	0.7
2	2.6	240.7	0.9
3	2.6	216.1	2.6
4	2.7	229.8	3.6
5	2.6	183.1	2.0
6	3.6	178.6	1.3
7	3.8	155.7	2.0
8	8.3	206.8	2.7
9	6.2	215.2	1.7
10	1.5	212.9	-0.3

STOP TIME MAR 10,1984 HOUR 9 MINUTE 20

RELEASE NUMBER 84020 CONTAINMENT PURGE

STARTING TIME MAR 10,1984 HOUR 9 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	6.2	215.2	1.7
10	1.5	212.9	-0.3
11	0.9	207.7	-0.8
12	2.1	218.0	-1.2
13	3.1	225.7	-1.3
14	7.6	260.5	-1.3
15	8.2	274.7	-1.3
16	5.5	320.2	-1.1
17	6.6	325.8	-1.1
18	7.6	324.5	-0.7
19	7.9	331.7	-0.6
20	7.0	328.6	-0.5
21	4.2	319.9	-0.4

STOP TIME MAR 10,1984 HOUR 20 MINUTE 15

RELEASE NUMBER 84021 CONTAINMENT PURGE

STARTING TIME MAR 10,1984 HOUR 20 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	7.0	328.6	-0.5
21	4.2	319.9	-0.4
22	7.1	335.4	-1.0
23	7.3	352.4	-0.7
24	6.6	19.0	-1.0
1	5.8	13.2	-1.0
2	4.7	12.2	-1.2
3	3.3	2.1	-0.6
4	3.1	340.7	-0.7
5	2.7	332.1	-0.9
6	4.7	343.6	-0.9
7	6.4	8.0	-1.3
8	6.9	15.1	-1.1
9	6.8	58.1	-1.4
10	6.6	69.8	-1.5
11	7.9	84.1	-1.4
12	8.5	76.2	-1.5
13	7.5	88.9	-1.5
14	8.1	98.6	-1.3
15	8.0	97.4	-1.4
16	8.7	84.4	-1.3
17	7.9	88.4	-1.2

STOP TIME MAR 11,1984 HOUR 16 MINUTE 35

RELEASE NUMBER 84022 CONTAINMENT PURGE

STARTING TIME MAR 11,1984 HOUR 21 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	8.9	112.6	-1.0
22	7.5	98.5	-1.3
23	8.0	99.5	-0.7

STOP TIME MAR 11,1984 HOUR 22 MINUTE 20

RELEASE NUMBER 84023 CONTAINMENT PURGE

STARTING TIME MAR 12,1984 HOUR 8 MINUTE 36

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	5.6	31.4	-1.1

STOP TIME MAR 12,1984 HOUR 7 MINUTE 37

RELEASE NUMBER 84024 CONTAINMENT PURGE

STARTING TIME MAR 13,1984 HOUR 7 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
7	11.3	159.3	-0.7
8	11.3	152.1	-0.6
9	8.2	146.1	-0.6
10	9.2	159.2	-0.9
11	9.4	134.1	-0.7
12	10.1	131.6	-0.8
13	9.9	137.6	-0.6
14	8.8	131.5	-0.8
15	9.4	129.6	-0.6
16	6.0	132.4	-0.7
17	5.3	127.7	-0.8
18	4.3	121.3	-0.6
19	4.3	133.2	-0.3
20	4.4	129.8	-0.2
21	3.8	125.4	-0.3
22	3.9	124.4	-0.2

STOP TIME MAR 13,1984 HOUR 21 MINUTE 17

STARTING TIME MAR 13,1984 HOUR 21 MINUTE 31

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	3.8	125.4	-0.3
22	3.9	124.4	-0.2
23	5.8	130.1	-0.5
24	7.0	146.0	-0.5
1	5.9	138.7	-0.2
2	7.0	142.5	-0.7
3	8.7	155.3	-0.4

STOP TIME MAR 14,1984 HOUR 2 MINUTE 15

RELEASE NUMBER 84025 CONTAINMENT PURGE

STARTING TIME MAR 14,1984 HOUR 10 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
10	14.2	162.1	-0.6
11	14.1	155.7	-0.5
12	14.1	145.7	-0.7
13	14.0	146.0	-0.7
14	12.8	142.6	-1.1
15	15.2	142.0	-1.3
16	16.4	140.9	-1.5
17	15.8	143.1	-1.6
18	14.7	149.8	-0.7
19	12.4	151.4	-0.3
20	14.5	154.9	-0.5
21	12.2	154.3	-0.3
22	12.4	142.8	-0.3
23	2.9	206.4	-0.2
24	2.7	320.5	1.6
1	-99.0	-99.0	-99.0
2	-99.0	-99.0	-99.0
3	-99.0	-99.0	-99.0
4	2.6	327.9	2.6
5	6.1	322.2	0.4

STOP TIME MAR 15,1984 HOUR 4 MINUTE 36

STARTING TIME MAR 15,1984 HOUR 5 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
5	6.1	322.2	0.4
6	9.7	321.8	-0.3
7	11.9	329.1	-0.6
8	9.0	334.2	-0.3
9	10.3	338.2	-0.7
10	13.4	338.6	-1.6
11	11.1	343.5	-1.0
12	13.4	340.9	-1.2
13	11.0	346.8	-1.1

STOP TIME MAR 15,1984 HOUR 12 MINUTE 59

RELEASE NUMBER 84026 CONTAINMENT PURGE

STARTING TIME MAR 15,1984 HOUR 16 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	12.3	335.8	-1.8
17	10.7	339.9	-0.9
18	9.9	330.2	-0.8
19	10.2	345.3	-0.7
20	7.2	343.0	-1.1

STOP TIME MAR 15,1984 HOUR 19 MINUTE 50

STARTING TIME MAR 15,1984 HOUR 20 MINUTE 26

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	7.2	343.0	-1.1
21	8.3	343.1	-0.8
22	8.3	348.4	-0.8
23	9.1	352.9	-1.0
24	9.0	4.0	-0.7
1	8.7	7.6	-0.9
2	7.6	18.8	-1.2
3	6.3	6.2	-1.2
4	6.2	342.7	-1.0
5	7.3	2.5	-1.1
6	7.1	19.3	-1.2
7	5.9	41.7	-1.0
8	5.8	41.9	-1.1
9	6.1	33.2	-1.2
10	6.2	42.0	-1.2
11	6.5	35.4	-1.2
12	6.9	46.9	-1.2
13	6.9	48.8	-1.2
14	7.6	59.5	-1.1
15	8.3	62.7	-1.1
16	10.6	79.1	-0.9

STOP TIME MAR 16,1984 HOUR 15 MINUTE 20

RELEASE NUMBER 84027 CONTAINMENT PURGE

STARTING TIME MAR 16,1984 HOUR 17 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	11.0	21.1	-0.8
18	9.4	183.9	-1.0
19	9.3	180.8	-0.8
20	9.2	177.7	-0.8
21	18.4	175.4	-0.6
22	8.4	177.4	-0.7
23	9.0	179.3	-0.7
24	9.3	174.0	-0.4
1	-99.0	-99.0	-99.0
2	-99.0	-99.0	-99.0
3	-99.0	-99.0	-99.0
4	-99.0	-99.0	-99.0
5	-99.0	-99.0	-99.0
6	-99.0	-99.0	-99.0
7	-99.0	-99.0	-99.0
8	-99.0	-99.0	-99.0
9	-99.0	-99.0	-99.0
10	-99.0	-99.0	-99.0
11	-99.0	-99.0	-99.0
12	-99.0	-99.0	-99.0
13	-99.0	-99.0	-99.0
14	-99.0	-99.0	-99.0
15	-99.0	-99.0	-99.0
16	-99.0	-99.0	-99.0

STOP TIME MAR 17,1984 HOUR 15 MINUTE 50

RELEASE NUMBER 84028 CONTAINMENT PURGE

STARTING TIME MAR 17,1984 HOUR 18 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	-99.0	-99.0	-99.0
19	-99.0	-99.0	-99.0
20	-99.0	-99.0	-99.0
21	-99.0	-99.0	-99.0
22	-99.0	-99.0	-99.0
23	-99.0	-99.0	-99.0
24	-99.0	-99.0	-99.0
1	4.5	76.1	-0.7
2	6.1	92.2	-0.9
3	5.4	87.5	-0.9
4	5.5	81.8	-1.0
5	6.1	71.0	-1.0
6	6.2	65.0	-0.9
7	6.6	61.2	-0.8
8	7.3	64.6	-1.3
9	8.0	61.1	-1.2
10	8.4	71.4	-1.1
11	8.8	86.6	-1.0
12	8.1	71.9	-1.2
13	9.4	59.9	-1.2
14	8.0	64.2	-1.2
15	7.2	62.4	-1.1
16	8.6	42.7	-1.1
17	9.0	46.5	-1.0
18	7.9	42.5	-0.8
19	6.7	41.2	-0.4
20	8.0	33.8	-0.9
21	8.1	33.2	-0.6
22	8.4	32.9	-0.9
23	9.2	42.7	-0.9
24	8.2	40.1	-0.6
1	8.5	42.0	-0.2
2	8.0	43.1	-0.9
3	5.4	28.1	-1.2
4	5.7	10.3	-0.9
5	6.6	357.5	-0.9
6	8.5	355.7	-1.1
7	9.1	355.1	-0.7
8	9.5	359.6	-1.0
9	9.6	0.1	-1.2
10	10.1	360.0	-1.0
11	8.6	313.8	-1.3
12	8.5	357.4	-1.1
13	8.1	2.8	-1.0
14	8.3	12.3	-1.0
15	8.3	19.6	-1.4
16	10.6	21.4	-1.3
17	8.1	14.5	-1.1
18	8.3	354.0	-1.0

19	8.1	347.3	-1.0
20	7.0	345.7	-0.9
21	8.0	339.7	-1.1
22	8.4	334.2	-0.5
23	7.2	331.3	-0.8
24	8.5	332.0	-0.7
1	6.7	331.1	0.6
2	6.0	324.9	1.0
3	7.4	326.5	0.4
4	8.5	320.4	-0.2
5	8.6	317.5	0.2
6	7.5	319.4	-0.5
7	8.6	325.2	-0.7
8	8.8	325.2	-0.5
9	6.8	332.3	-0.9
10	5.6	339.9	-0.6
11	6.3	334.4	-0.6
12	7.7	331.1	-0.9
13	10.2	325.7	-1.3
14	13.9	327.2	-1.2
15	13.0	331.9	-0.9
16	12.9	332.4	-0.8
17	14.4	335.2	-0.8
18	13.3	331.4	-0.8
19	11.9	336.7	-0.7
20	14.0	331.8	-0.3
21	13.7	332.3	-0.6
22	11.2	324.4	-0.5
23	10.3	323.1	-0.5
24	11.4	323.2	-0.6
1	10.8	320.2	-0.5
2	11.3	314.4	-0.6
3	12.7	321.9	-0.5
4	14.4	322.7	-0.5
5	14.0	320.9	-0.6
6	12.7	323.1	-0.5
7	12.1	328.5	-0.7
8	13.4	332.8	-0.7
9	14.8	332.8	-0.8
10	15.3	334.2	-0.9
11	14.6	330.1	-0.9
12	14.2	322.6	-0.8
13	14.7	323.0	-0.8
14	14.8	320.2	-0.8
15	15.3	321.1	-0.8
16	14.7	322.2	-0.7
17	15.8	331.0	-0.7
18	13.2	329.8	-0.7
19	13.6	325.9	-0.4
20	16.3	327.5	-0.5
21	12.9	332.5	-0.6
22	9.6	334.7	-0.6
23	9.9	334.2	-0.9
24	7.8	337.4	-0.9
1	10.8	332.6	-0.2

2	8.3	346.9	-0.6
3	8.3	333.1	-0.8
4	7.1	323.6	-0.5
5	8.8	333.6	-0.6
6	6.8	342.3	-1.2
7	8.1	337.9	-0.8
8	7.3	347.3	-0.9
9	7.2	335.3	-1.0
10	9.5	327.3	-1.0
11	9.5	351.2	-1.0
12	8.7	327.7	-1.0
13	8.8	328.5	-1.1
14	8.3	337.3	-1.3
15	8.0	346.7	-1.3
16	8.0	342.4	-1.3
17	7.6	342.1	-1.2
18	6.7	354.1	-1.0
19	4.8	356.7	-0.4
20	3.4	335.2	0.2
21	3.7	311.9	0.3
22	3.1	292.1	0.6
23	2.9	303.3	0.7
24	3.6	304.7	1.3
1	3.2	330.7	1.1
2	2.3	340.5	0.3
3	1.6	283.9	0.8
4	2.0	19.7	0.5
5	2.7	338.7	-0.2
6	4.5	45.0	-0.6
7	3.6	31.3	-0.8
8	3.2	42.6	-1.0

STOP TIME MAR 23,1984 HOUR 7 MINUTE 50

STARTING TIME MAR 23,1984 HOUR 8 MINUTE 17

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	3.2	42.6	-1.0
9	3.5	70.5	-1.1
10	2.9	32.4	-1.2
11	3.0	318.9	-1.4
12	3.3	243.8	-1.1
13	3.8	275.4	-1.2
14	3.4	287.5	-1.3
15	4.5	312.6	-1.4
16	5.3	352.8	-1.3
17	4.7	347.8	-1.3
18	3.6	346.0	-1.1
19	3.2	336.0	-0.8
20	1.9	284.9	0.8
21	2.5	277.3	1.4

22	2.1	285.8	1.1
23	2.0	289.1	1.1
24	2.0	150.3	1.2
1	2.0	207.6	2.2
2	2.0	275.1	1.6
3	2.4	307.9	1.0
4	2.3	285.6	1.2
5	2.4	268.7	1.3
6	1.7	252.7	2.1
7	2.8	274.3	1.4
8	2.6	292.9	1.3
9	2.9	309.4	0.8
10	2.3	297.0	0.2
11	3.2	7.6	-0.6
12	4.7	40.2	-1.0
13	4.0	63.5	-1.4
14	5.0	53.5	-1.3
15	5.7	51.1	-1.3
16	5.9	75.0	-1.3
17	7.8	113.6	-1.1
18	7.3	107.2	-0.9
19	4.3	97.4	-0.6
20	2.1	5.9	0.4
21	1.5	2.4	1.0
22	1.7	159.3	0.8
23	1.3	282.4	1.0
24	2.1	259.8	2.0
1	3.7	121.5	2.0
2	2.2	133.4	2.8
3	1.5	210.8	2.9
4	1.8	357.6	2.9
5	1.4	281.4	3.0
6	1.7	118.1	3.0
7	1.7	283.5	3.0
8	1.5	323.7	3.3
9	2.9	133.5	0.6
10	6.2	137.4	-0.8
11	5.5	145.3	-1.2
12	5.4	197.6	-1.5
13	7.9	154.2	-1.3
14	7.8	127.5	-1.4
15	8.2	109.4	-1.3
16	9.0	113.0	-1.2
17	8.7	114.6	-1.0
18	7.0	104.2	-0.8
19	5.5	98.3	-0.3
20	5.2	120.0	-0.3
21	5.5	130.1	-0.1
22	6.3	126.6	-0.2
23	5.9	115.9	-0.4
24	4.0	117.7	-0.3
1	2.2	1.3	0.0
2	2.0	25.8	-0.4
3	3.4	35.8	-0.6
4	2.8	353.3	-0.6

5	2.6	349.0	-0.3
6	2.6	326.0	-0.3
7	-99.0	-99.0	-99.0
8	5.7	328.8	-0.3
9	4.3	345.0	-0.6
10	4.5	352.7	-0.7
11	5.5	356.4	-0.8
12	6.8	343.5	-1.3
13	8.2	343.8	-1.4
14	7.0	346.0	-1.3
15	8.7	359.5	-1.2
16	8.8	9.6	-1.1
17	8.5	340.8	-1.1
18	8.6	341.6	-0.8
19	9.8	343.3	-0.6
20	8.4	345.0	-1.0
21	8.1	349.0	-0.8
22	8.3	343.4	-0.8
23	8.8	345.5	-0.5
24	8.3	350.4	-0.8
1	5.3	120.5	-0.4
2	7.9	123.6	-0.3
3	7.2	135.5	0.1
4	6.4	131.0	0.1
5	6.1	129.5	-0.5
6	7.1	113.7	-0.4
7	6.0	116.1	-0.1
8	8.9	207.2	0.9
9	11.5	299.5	-1.3
10	8.9	249.6	-2.3
11	9.4	111.0	-1.3
12	7.8	104.8	-0.9
13	8.4	97.6	-1.0
14	13.1	109.1	-1.1
15	12.8	112.6	-0.9
16	9.3	113.2	-0.7
17	8.4	104.8	-1.1
18	6.7	104.8	-0.8
19	7.0	103.9	-0.8
20	6.0	114.8	-0.8
21	8.5	117.0	-0.9
22	7.0	123.4	-0.7
23	3.5	121.0	-0.6
24	3.0	92.3	-0.8
1	8.7	351.6	-0.8
2	8.9	348.6	-0.7
3	8.6	348.7	-0.7
4	8.1	341.8	-0.3
5	8.7	338.0	-0.7
6	8.7	339.2	-0.8
7	8.1	338.6	-0.6
8	7.3	347.8	-0.7
9	6.7	347.8	-0.8
10	6.8	345.3	-0.8
11	7.0	343.8	-0.7

12	7.0	342.9	-1.0
13	8.5	344.9	-1.2
14	8.7	344.8	-1.2
15	9.6	345.6	-1.3
16	9.0	343.4	-1.0
17	11.1	345.3	-1.1
18	10.1	344.7	-0.7
19	9.5	340.9	-0.7
20	9.6	340.7	-0.7
21	9.3	330.8	-0.6

STOP TIME MAR 28,1984 HOUR 20 MINUTE 55

RELEASE NUMBER 84029 CONTAINMENT PURGE

STARTING TIME APR 1,1984 HOUR 20 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	4.9	180.3	-0.7
21	6.2	171.7	-0.8
22	7.3	158.2	-0.8
23	5.4	148.9	-0.8
24	5.2	145.3	-0.8
1	5.8	138.9	-0.7
2	7.1	126.6	-0.9
3	6.6	111.7	-0.8
4	5.2	97.5	-0.4
5	4.9	97.2	-0.8
6	8.2	101.3	-0.6
7	9.8	106.5	-1.0
8	10.1	99.1	-1.1
9	10.2	90.6	-0.6
10	9.9	89.4	-0.9
11	9.4	95.4	-0.9
12	12.3	100.6	-0.9
13	12.4	99.4	-0.8
14	11.2	94.2	-0.9
15	11.3	92.4	-0.9
16	11.2	89.8	-0.7
17	13.9	83.5	-0.6
18	15.2	88.9	-0.4
19	13.8	98.2	-0.3
20	13.8	99.1	-0.7
21	13.9	95.7	-0.7
22	13.7	91.0	-0.7
23	13.6	95.1	-0.7
24	13.7	101.8	-0.8
1	13.6	104.9	-0.7
2	13.2	106.4	-0.7
3	9.8	96.0	-0.9
4	8.4	91.0	-0.8
5	8.8	79.5	-1.1
6	10.4	83.2	-0.8
7	10.9	89.7	-0.9
8	11.1	85.9	-0.9
9	10.6	92.5	-0.8
10	9.9	86.0	-0.8
11	9.1	76.8	-1.1
12	8.8	65.7	-1.1
13	9.1	48.7	-1.0
14	9.5	41.7	-1.3
15	10.1	42.8	-1.3
16	10.6	48.4	-1.0
17	9.9	45.1	-0.9
18	10.3	41.8	-1.1
19	11.0	47.3	-0.9
20	10.0	45.0	-0.8

21	11.2	37.6	-1.0
22	9.6	29.7	-0.8
23	9.1	22.3	-0.9
24	8.0	5.0	-0.8
1	7.0	0.8	-1.1
2	6.9	2.6	-1.0
3	6.7	354.9	-0.9
4	5.1	349.0	-1.0
5	7.9	329.6	-0.8
6	8.5	329.4	-0.8
7	7.6	327.9	-0.6
8	7.1	331.4	-0.9
9	6.8	334.9	-1.2
10	8.3	338.3	-1.4
11	8.6	346.5	-1.6
12	9.8	353.4	-1.7
13	10.6	348.1	-1.6
14	11.1	343.0	-1.7
15	11.3	341.0	-1.7
16	10.2	347.5	-1.6
17	8.9	352.1	-1.5
18	8.5	346.7	-1.2
19	7.3	339.6	-0.6
20	5.3	334.1	0.1
21	4.7	316.4	1.2
22	3.9	302.0	2.0
23	3.5	293.3	2.6
24	3.7	298.6	2.1
1	3.2	302.0	2.5
2	4.5	301.6	2.6
3	4.4	304.1	2.8
4	3.4	310.6	1.8
5	2.6	304.2	1.0
6	2.6	308.3	2.0
7	2.1	313.0	1.7
8	3.3	312.2	0.1
9	5.6	321.3	-0.7
10	5.3	342.6	-1.4
11	6.4	340.3	-1.6
12	8.3	341.7	-1.8
13	8.4	341.5	-1.8
14	8.2	335.8	-1.8
15	7.5	343.8	-1.8
16	7.5	355.9	-1.8
17	6.3	350.3	-1.6
18	5.1	356.8	-1.3
19	3.7	16.1	-0.6
20	1.9	307.2	0.7
21	1.7	272.6	1.5
22	2.3	273.7	1.2
23	1.4	280.5	2.0
24	1.2	287.6	3.0
1	1.4	265.9	3.4
2	1.2	280.1	5.0
3	1.2	69.5	6.9

4	1.2	359.5	7.0
5	1.2	303.0	7.1
6	1.7	107.7	5.7
7	3.4	334.0	5.6
8	1.8	136.9	3.3
9	4.0	123.8	-0.4
10	9.2	128.1	-1.2
11	9.4	139.1	-1.5
12	10.2	136.0	-1.6
13	10.2	129.7	-1.6
14	11.0	133.3	-1.6
15	10.2	127.8	-1.6
16	12.2	131.2	-1.5
17	12.8	129.7	-1.5
18	13.7	131.5	-1.1
19	9.0	134.3	-0.0
20	7.0	142.6	0.1
21	7.2	126.6	0.5
22	6.7	130.0	0.6
23	7.2	126.6	0.6
24	7.7	126.9	0.8
1	7.6	129.4	0.5
2	7.3	127.7	0.6
3	10.4	131.4	0.2
4	11.6	128.7	-0.3
5	10.0	118.4	-0.5
6	9.9	104.5	-0.7
7	13.2	112.3	-0.4
8	16.7	120.9	0.2
9	13.1	115.6	-0.4
10	10.5	111.5	-1.0
11	9.2	125.8	-0.5
12	16.0	125.7	-1.2
13	14.0	114.8	-0.7
14	13.7	117.3	-0.9
15	13.3	123.9	-0.8
16	13.1	118.4	-0.8
17	14.4	131.5	-0.7
18	16.8	140.1	-0.9
19	18.2	136.9	-1.1
20	17.4	137.2	-0.7
21	17.6	137.5	-0.8
22	16.7	138.4	-0.8
23	14.6	133.5	-0.7
24	11.8	135.1	-0.8
1	9.7	128.9	-0.7
2	8.1	122.1	-0.9
3	7.6	114.4	-1.1
4	7.8	109.9	-0.7
5	8.3	102.2	-0.8

STOP TIME APR 8,1984 HOUR 4 MINUTE 18

RELEASE NUMBER 84030 CONTAINMENT PURGE

STARTING TIME APR 9,1984 HOUR 0 MINUTE 22

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	6.1	91.4	-1.0
2	6.8	92.3	-0.8
3	5.3	99.6	-0.9
4	3.7	71.4	-0.9
5	3.4	62.1	-0.9
6	4.0	64.9	-1.0
7	3.8	71.5	-0.9
8	4.3	82.5	-0.8
9	4.6	87.4	-0.9
10	6.0	99.5	-1.2
11	7.0	105.1	-1.4
12	8.0	112.3	-1.2
13	7.9	110.2	-1.1
14	6.3	111.1	-1.2
15	6.3	105.4	-1.1
16	6.3	103.5	-1.1
17	7.4	94.6	-0.9
18	6.6	9[illegible]7	-1.1
19	6.8	9[illegible].6	-1.0
20	6.1	89.9	-0.9
21	7.5	99.0	-0.8
22	7.3	105.6	-1.0
23	8.5	112.0	-1.5

STOP TIME APR 9,1984 HOUR 22 MINUTE 44

STARTING TIME APR 9,1984 HOUR 23 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
23	8.5	112.0	-1.5
24	6.8	119.1	-1.0
1	7.7	117.6	-0.9

STOP TIME APR 10,1984 HOUR 0 MINUTE 0

RELEASE NUMBER 84030 CONTAINMENT PURGE

STARTING TIME APR 10,1984 HOUR 6 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	2.6	93.7	-0.7
7	3.8	108.1	-0.9
8	4.6	106.8	-0.6
9	5.8	103.7	-0.7
10	4.9	103.7	-0.8
11	6.0	111.2	-1.1
12	7.1	102.3	-1.4
13	8.0	148.4	-1.5
14	7.6	137.9	-1.2
15	8.3	137.0	-1.2
16	7.2	131.9	-1.2
17	8.3	135.5	-1.1
18	8.2	129.8	-0.9
19	9.1	125.6	-0.8
20	8.1	137.0	-0.8
21	4.5	132.3	-0.5
22	5.7	126.4	-0.4
23	6.1	134.8	-0.4
24	7.3	144.1	-0.6
1	11.1	152.1	-0.8
2	11.4	146.9	-0.5
3	14.3	155.3	-0.7

STOP TIME APR 11,1984 HOUR 2 MINUTE 20

RELEASE NUMBER 84031 CONTAINMENT PURGE

STARTING TIME APR 11,1984 HOUR 21 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	16.9	166.4	-0.8
22	7.2	205.0	-0.7
23	8.8	215.4	-0.3
24	10.3	207.6	0.5
1	11.7	202.9	1.0
2	12.4	218.2	-0.0
3	7.6	251.3	-0.4
4	4.5	301.0	-0.5
5	7.3	257.8	-0.7
6	9.4	259.4	-0.8
7	8.4	265.9	-0.6
8	10.6	255.1	-0.8
9	11.5	255.2	-0.8
10	11.4	262.5	-1.0
11	11.8	256.4	-0.9
12	12.5	263.7	-0.9
13	14.6	275.4	-1.1
14	16.7	263.8	-0.8
15	13.5	271.0	-0.9
16	15.2	277.3	-0.8
17	16.5	281.4	-1.1
18	15.4	280.1	-1.0
19	18.0	281.2	-0.8
20	18.0	286.0	-0.6
21	18.7	293.7	-0.9
22	17.0	292.8	-1.1
23	16.4	294.4	-0.7
24	13.3	289.5	-0.6
1	11.5	290.5	-0.9
2	11.7	295.6	-0.8
3	12.5	291.8	-1.1
4	11.8	295.5	-0.9
5	11.2	293.6	-0.9
6	11.3	291.2	-1.0
7	11.1	301.2	-0.8
8	12.0	300.8	-0.9
9	10.9	295.1	-1.1
10	10.0	299.1	-1.0
11	11.4	303.1	-1.1
12	10.1	296.1	-1.1
13	11.1	301.6	-1.1
14	13.2	305.3	-1.0
15	13.2	303.3	-1.0
16	14.2	302.9	-1.0
17	13.6	306.2	-0.9
18	13.6	307.2	-0.8
19	13.9	309.4	-1.0
20	12.4	309.5	-0.6
21	12.1	311.1	-1.0

22	12.2	311.7	-1.1
23	12.1	314.8	-0.7
24	12.0	310.6	-0.7
1	10.5	313.1	-0.9
2	10.8	313.3	-0.8
3	11.1	316.8	-0.7

STOP TIME APR 14,1984 HOUR 2 MINUTE 30

STARTING TIME APR 14,1984 HOUR 7 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
7	11.1	336.3	-0.9
8	10.7	338.8	-0.8
9	9.6	335.9	-0.8
10	10.2	341.5	-1.1
11	11.0	342.6	-1.2
12	11.4	344.8	-1.1
13	11.4	350.5	-1.0
14	11.4	349.3	-1.0
15	10.9	352.5	-0.8
16	10.3	356.7	-1.0
17	10.6	350.0	-1.0
18	8.5	354.5	-0.9
19	9.8	353.9	-0.9
20	8.8	353.8	-0.8
21	7.8	346.4	-0.6
22	7.1	359.1	-0.8
23	7.3	346.7	-0.7
24	7.0	341.9	-0.8
1	6.9	337.6	-0.5
2	6.4	327.1	-0.2
3	7.9	331.3	-0.4
4	7.4	339.3	-0.7
5	6.4	332.8	-0.6

STOP TIME APR 15,1984 HOUR 4 MINUTE 5

RELEASE NUMBER 84031 CONTAINMENT PURGE

STARTING TIME APR 15,1984 HOUR 4 MINUTE 49

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
4	7.4	339.3	-0.7
5	6.4	332.8	-0.6
6	7.9	327.0	-0.0
7	8.1	329.4	-0.3
8	9.2	349.1	-1.0
9	8.5	349.1	-1.2
10	9.1	350.6	-1.3

STOP TIME APR 15,1984 HOUR 9 MINUTE 50

STARTING TIME APR 15,1984 HOUR 12 MINUTE 53

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	11.3	348.1	-1.6
13	12.3	335.3	-1.4
14	14.6	336.4	-1.7
15	12.6	345.1	-1.6
16	12.6	347.2	-1.3
17	13.4	350.5	-1.2
18	11.6	345.7	-1.2
19	10.8	350.2	-0.7
20	8.0	344.7	-0.6
21	7.4	333.5	-0.3
22	6.8	324.9	-0.1
23	8.1	324.7	-0.0
24	8.4	326.3	-0.3
1	8.1	330.3	-0.6
2	7.6	325.4	-0.4
3	8.5	326.3	-0.3
4	8.7	323.1	-0.2
5	8.8	320.2	0.3
6	7.9	320.2	0.3
7	8.0	313.2	-0.6
8	9.1	326.0	-1.2
9	10.9	331.0	-1.5
10	11.2	334.4	-1.7
11	11.4	343.7	-1.7
12	12.9	349.1	-1.9
13	12.8	347.9	-1.8
14	13.4	355.3	-2.0
15	13.7	352.3	-1.8
16	12.4	349.0	-1.6
17	12.5	358.7	-1.6

STOP TIME APR 16,1984 HOUR 16 MINUTE 42

RELEASE NUMBER 84031 CONTAINMENT PURGE

STARTING TIME APR 17,1984 HOUR 6 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	2.4	316.6	2.0
7	3.1	1.6	0.4
8	3.1	346.3	-0.4
9	6.7	61.5	-1.6
10	9.2	60.2	-1.8

STOP TIME APR 17,1984 HOUR 9 MINUTE 30

STARTING TIME APR 17,1984 HOUR 11 MINUTE 13

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	8.6	42.9	-1.8
12	9.3	24.8	-1.9
13	8.0	3.6	-1.9
14	7.6	0.8	-1.7
15	8.5	347.9	-1.9

STOP TIME APR 17,1984 HOUR 14 MINUTE 26

RELEASE NUMBER 84031 CONTAINMENT PURGE

STARTING TIME APR 18,1984 HOUR 12 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	9.3	349.4	-1.7

STOP TIME APR 18,1984 HOUR 10 MINUTE 53

RELEASE NUMBER 84033 CONTAINMENT PURGE

STARTING TIME MAY 12,1984 HOUR 14 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	8.0	175.8	-0.9
15	11.0	171.8	-1.4
16	11.8	167.6	-1.3
17	11.7	166.1	-1.1
18	11.2	162.7	-1.0
19	9.8	166.4	-0.8
20	8.4	160.0	-0.3
21	8.0	151.3	0.3
22	6.4	140.5	1.1
23	6.4	115.8	0.3
24	7.4	143.1	0.6
1	5.0	163.3	0.5
2	4.1	181.4	1.5
3	3.1	27.4	1.3
4	5.7	330.7	0.8
5	3.9	327.8	1.2
6	3.3	291.9	1.1
7	3.6	317.9	0.6
8	5.1	325.4	-0.7
9	7.8	340.6	-1.4
10	9.7	345.2	-1.6
11	9.5	347.4	-1.7
12	9.2	356.9	-1.9
13	10.3	346.7	-2.0
14	11.0	344.1	-1.9
15	10.4	346.7	-2.1
16	10.1	351.6	-1.7
17	9.0	349.2	-1.7
18	9.2	346.6	-1.4
19	6.3	343.1	-1.0
20	3.7	322.3	0.4
21	3.6	316.9	1.5
22	4.0	314.6	0.9
23	2.2	308.7	0.8
24	2.4	334.9	0.2
1	3.0	320.3	1.1
2	3.4	306.3	1.6
3	2.7	291.5	1.4
4	1.7	297.0	1.7
5	2.3	265.8	1.1
6	1.7	275.8	1.6
7	2.2	341.5	-0.1
8	3.6	63.3	-1.6
9	6.0	98.6	-1.6
10	5.6	111.9	-1.6
11	5.7	126.7	-1.6
12	6.9	115.2	-1.7
13	6.2	123.4	-1.7

STOP TIME MAY 14,1984 HOUR 12 MINUTE 15

STARTING TIME MAY 14,1984 HOUR 21 MINUTE 11

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	4.7	148.7	0.4
22	4.7	148.5	0.8
23	5.4	143.2	0.8
24	5.8	149.1	0.3
1	6.6	148.5	0.3
2	6.3	135.2	0.7
3	6.2	138.4	0.2
4	4.6	145.1	0.5
5	5.0	150.1	0.3
6	5.6	142.3	0.1
7	7.4	141.0	-1.1
8	10.6	142.4	-1.2
9	10.1	137.0	-1.3
10	8.6	149.7	-0.9
11	10.1	140.0	-0.5

STOP TIME MAY 15,1984 HOUR 10 MINUTE 40

RELEASE NUMBER 84033 CONTAINMENT PURGE

STARTING TIME MAY 15,1984 HOUR 15 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
15	17.8	141.2	-1.5
16	18.9	144.6	-1.5
17	16.4	150.7	-1.3
18	15.8	148.7	-1.1
19	13.6	148.6	-1.1
20	12.7	144.7	-0.7
21	12.1	139.9	-0.6

STOP TIME MAY 15,1984 HOUR 20 MINUTE 22

STARTING TIME MAY 15,1984 HOUR 21 MINUTE 27

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	12.1	139.9	-0.6
22	10.5	140.9	-0.5
23	8.5	137.5	-0.2
24	10.1	148.6	-0.2
1	10.7	151.5	-0.3
2	12.5	157.5	-1.1
3	11.4	157.1	-0.4
4	13.1	158.1	-0.7
5	13.0	152.7	-1.3
6	10.0	157.4	-0.7
7	8.3	148.6	-0.3

STOP TIME MAY 16,1984 HOUR 6 MINUTE 10

RELEASE NUMBER 84001 DECAY TANK PURGE

STARTING TIME JAN 24,1984 HOUR 15 MINUTE 8

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
15	5.2	278.2	-0.6
16	6.4	287.7	-0.3

STOP TIME JAN 24,1984 HOUR 15 MINUTE 30

STARTING TIME JAN 25,1984 HOUR 11 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	0.8	223.6	2.5
12	0.8	221.9	1.3
13	0.8	218.9	-0.2
14	0.8	227.6	-0.6
15	2.6	234.3	-0.6
16	5.7	242.3	-1.0
17	5.2	224.1	-0.4
18	5.5	183.9	-0.6
19	5.8	176.6	-0.1

STOP TIME JAN 25,1984 HOUR 18 MINUTE 8

RELEASE NUMBER 84002 DECAY TANK PURGE

STARTING TIME FEB 7,1984 HOUR 14 MINUTE 18

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	5.2	126.8	-1.1
15	7.2	129.7	-1.0
16	6.8	126.9	-0.9
17	8.9	113.4	-0.8

STOP TIME FEB 7,1984 HOUR 16 MINUTE 34

RELEASE NUMBER 84003 DECAY TANK PURGE

STARTING TIME MAR 14,1984 HOUR 3 MINUTE 2

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
3	8.7	155.3	-0.4
4	9.1	129.7	-0.5
5	9.6	136.1	-0.6
6	10.2	156.9	-0.2
7	9.3	160.0	-0.7
8	12.7	150.9	-0.9
9	14.9	156.0	-1.0
10	14.2	162.1	-0.6

STOP TIME MAR 14,1984 HOUR 9 MINUTE 45

RELEASE NUMBER 84004 DECAY TANK PURGE

STARTING TIME APR 8,1984 HOUR 5 MINUTE 43

TIME HOUR	wS10 MPH	wD10 DEG	DT100 DEG C
5	8.3	102.2	-0.8
6	7.8	99.0	-1.0
7	7.8	93.4	-1.0
8	9.1	93.3	-1.0
9	10.7	96.9	-1.0
10	10.8	98.9	-0.7
11	10.2	100.8	-0.9
12	9.7	99.8	-1.0
13	6.8	86.9	-0.8

STOP TIME APR 8,1984 HOUR 12 MINUTE 33

RELEASE NUMBER 84005 DECAY TANK PURGE

STARTING TIME APR 8,1984 HOUR 13 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
13	6.8	86.9	-0.8
14	7.1	83.3	-1.3
15	6.6	82.0	-0.8
16	5.7	79.4	-0.9
17	5.5	81.0	-0.8
18	5.3	72.3	-1.1
19	4.6	55.3	-0.7
20	5.9	69.8	-0.7

STOP TIME APR 8,1984 HOUR 19 MINUTE 50

RELEASE NUMBER 84006 DECAY TANK PURGE

STARTING TIME MAY 7,1984 HOUR 13 MINUTE 8

TIME HOUR	wS10 MPH	wD10 DEG	DT100 DEG C
13	13.5	334.5	-1.1
14	13.6	335.3	-1.3
15	11.7	339.8	-1.3
16	11.9	340.9	-1.2
17	12.2	338.3	-1.1
18	12.9	337.9	-1.2
19	11.4	340.1	-1.1
20	10.0	337.8	-0.8

STOP TIME MAY 7,1984 HOUR 19 MINUTE 29

RELEASE NUMBER 84007 DECAY TANK PURGE

STARTING TIME MAY 14,1984 HOUR 12 MINUTE 23

TIME HOUR	wS10 MPH	wD10 DEG	DT100 DEG C
12	6.9	115.2	-1.7
13	6.2	123.4	-1.7
14	6.7	124.0	-1.7
15	6.3	126.2	-1.7
16	6.6	118.9	-1.8
17	6.6	115.0	-1.6
18	7.3	124.1	-1.3
19	6.4	117.7	-1.0

STOP TIME MAY 14,1984 HOUR 18 MINUTE 55

RELEASE NUMBER 84008 DECAY TANK PURGE

STARTING TIME MAY 17,1984 HOUR 0 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	-99.0	-99.0	-99.0
2	-99.0	-99.0	-99.0
3	-99.0	-99.0	-99.0
4	-99.0	-99.0	-99.0
5	-99.0	-99.0	-99.0
6	-99.0	-99.0	-99.0
7	-99.0	-99.0	-99.0
8	-99.0	-99.0	-99.0

STOP TIME MAY 17,1984 HOUR 7 MINUTE 50

RELEASE NUMBER 84009 DELAY TANK PURGE

STARTING TIME MAY 17,1984 HOUR 18 MINUTE 8

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	-99.0	-99.0	-99.0
19	-99.0	-99.0	-99.0
20	-99.0	-99.0	-99.0
21	-99.0	-99.0	-99.0
22	-99.0	-99.0	-99.0
23	-99.0	-99.0	-99.0
24	-99.0	-99.0	-99.0
1	5.1	270.3	0.1
2	7.4	240.7	-0.6

STOP TIME MAY 18,1984 HOUR 1 MINUTE 10

RELEASE NUMBER 84010 DECAY TANK PURGE

STARTING TIME MAY 21,1984 HOUR 18 MINUTE 18

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	8.1	235.7	-1.4
19	6.2	219.2	-1.3
20	6.6	197.0	-0.7
21	6.3	185.2	0.2
22	4.6	192.5	1.1
23	6.1	341.6	-0.8
24	-99.0	-99.0	-99.0
1	7.3	13.0	-0.6
2	4.7	24.3	-0.8
3	3.8	22.5	-0.8

STOP TIME MAY 22.1984 HOUR 2 MINUTE 17

SECTION V

ENVIRONMENTAL MONITORING

TECHNICAL SPECIFICATION 5.9.4.b

January 1, 1984 to June 30, 1984

5.9.4 Continued

b. Environmental Monitoring

1. (a) and (b) The number of sample locations, sample collection frequency and the number of samples collected this six-month period for each class of sample is delineated in Table 1.

(c) Levels of radiation were not found to be significantly above local background at any of the sampling locations.

(d) A complete summary of the program findings is presented in Table 2. For each type of analysis of each sampled medium, this table considers separately all indicator locations, all control locations, and the location with the highest six-month mean result. For each of these classes, the table specifies the following:

(1) the total number of analyses;

(2) the fraction of these yielding detectable results (i.e., results above the highest lower limit of detection for the period);

(3) the average, lowest, and highest results.

In addition, the distance and direction relative to the Reactor Containment Building are specified for the location with the highest six-month mean.

2. None of the levels of radioactivity found in the environmental radiological monitoring program indicate the likelihood of public intakes in excess of one per cent of those that would result from continuous exposure to the concentration values listed in Table II of Appendix B of 10 CFR 20.

3. No statistically significant variations at off-site environmental concentrations during the reporting period were observed.

Table 1. Sample collection program.

Sample Class	Collection Frequency	Sample Locations	Number of Samples Collected This Period
Background Radiation (TLD)	Quarterly	Eleven (11) Four (4)[a]	22 8
Background Radiation (G-M Survey)	Quarterly	Fifteen (15)	30
Air Particulate	Weekly	Five (5)	134
Airborne Iodine	Weekly	Five (5)	134
Well Water	Monthly Quarterly Comp.	Four (5) Four (5)	27 9
Precipitation	Monthly or Quarterly	One (1) One (1)	3 1
Milk	Weekly and Quarterly	Four (4) Four (4)	52 8
Vegetation	Annually	Six (6)	0
Cattlefeed	Quarterly	Six (6)	12
Soil	Annually	Four (4)	0
Surface Water	Weekly Monthly Comp.	Five (5) Five (5)	130 30
Fish (six species)	Annually	One (1)	0
Mud and Silt	Annually	Three (3)	0
Wildlife	Annually	One (1)	0
		TOTAL:	600

[a] Additional sampling locations not required by the technical specifications.

Table 2. Environmental Radiological Monitoring Program Summary.

Name of facility Fort Calhoun Nuclear Power Station - Unit 1 Docket No. 50-285

Location of Facility Washington, Nebraska (County, state) Reporting period January - June, 1984

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Background Radiation (TLD) (mR/week)	Gamma 22[f]	0.5	1.2 (20/20) (0.8-1.6)	0-4, Electric Bldg., Omaha 22 mi @ 152°	1.8 (2/2) (1.6-2.0)	1.8 (2/2) (1.6-2.0)	0
Background Radiation G-M Survey (mrem/hr)	Beta-Gamma 30	0.05[g]	<LLD	--	--	<LLD	0
Airborne Particulates (pCi/m^3)	GB 134	0.02	0.022 (107/107) (0.008-0.042)	0-3, City Hall, 4.8 mi @ 149°	0.023 (27/27) (0.012-0.042)	0.022 (25/27) (0.012-0.035)	0
	GS 30						
	Cs-134	0.01	<LLD	--	--	<LLD	0
	Cs-137	0.01	<LLD	--	--	<LLD	0
	Other gammas	0.01	<LLD	--	--	<LLD	0
Airborne Iodine (pCi/m^3)	I-131 134	0.2	<LLD	--	--	<LLD	0
Precipitation	GB 4	0.5	1.9 (4/4) (0.4-5.2)	0-30, AgriCo Plant, 1.8 mi @ 325°	1.9 (4/4) (0.4-5.2)	None	0
Well Water (pCi/l)	GB 9	0.5	8.0 (9/9) (2.3-19.1)	0-16, Smith Farm 1.9 mi @ 133°	18.0 (2/2) (16.8-19.1)	None	0
	H-3 9	200	380 (2/2) (310-440)	0-16, Smith Farm 1.9 mi @ 133°	380 (2/2) (310-440)	None	0

Table 2. (continued)

Name of facility Fort Calhoun Nuclear Power Station - Unit 1

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Milk, Fresh (pCi/l)	I-131 52	0.5	0.8 (1/26) --	0-42 Miller Farm 0.8 mi @ 206°	0.8 (1/13) --	<LLD	0
	GS 8						
	K-40	150	1260 (4/4) (920-1460)	0-27, Flynn Dairy 3.4 mi @ 310°	1360 (2/2) (1340-1380)	1120 (4/4) (810-1270)	0
	Cs-134	2	<LLD	--	--	<LLD	0
	Cs-137	2	<LLD	--	--	<LLD	0
	Other gammas	2	<LLD	--	--	<LLD	0
Milk, Preserved (pCi/l)	GB 8	6	1090 (4/4) (940-1180)	0-26, Japp Dairy, 6.3 mi @ 219°	1370 (2/2) (1120-1620)	1240 (4/4) (1040-1620)	0
	Sr-90 8	1	<LLD	--	--	<LLD	0
Surface Water (pCi/l)	GB 30	0.5	8.1 (24/24) (5.3-19.7)	0-6, Downstream 0.5 mi @ 106°	10.0 (6/6) (6.1-19.7)	8.7 (6/6) (5.9-10.9)	0
	H-3 30	200	790 (2/24) (220-1370)	0-6, Downstream 0.5 mi @ 106°	1370 (1/6) --	<LLD	0
Cattlefeed (pCi/g wet)	Sr-90 12	0.03 --	0.05 (1/8) --	0-31, Rogge Farm 2.1 mi @ 278°	0.05 (1/2) --	<LLD	0
	GS 12						
	Cs-134	0.2	<LLD	--	--	<LLD	0
	Cs-137	0.2	<LLD	--	--	<LLD	0
	Other gammas	0.2	<LLD	--	--	<LLD	0

[a] GB = gross beta; GS = gamma scan.
[b] LLD = lower limit of detection (based on 3 sigma error for background sample unless otherwise indicated).
[c] Mean and range are based on detectable measurements only (i.e., >LLD). Fraction of detectable measurements at specified locations is indicated in parentheses (F).
[d] Locations are specified: (1) by code, (2) by name, and (3) by distance and direction relative to Reactor Containment Building.
[e] Non-routine results are those which exceed ten times the control station value. If no control station value is available, the result is considered non-routine if it exceeds ten times the typical pre-operational value for the medium or location.
[f] Results for sites not required by the technical specifications are excluded from this summary.
[g] The LLD specified for G-M survey results is three times the average value of the standard deviations obtained in a series of repeated measurements.

SECTION VI

POTENTIAL DOSES TO INDIVIDUALS AND POPULATIONS

(As Required by Regulatory Guide 1.21, Safety Guide 23)

January 1, 1984 to June 30, 1984

VI. POTENTIAL DOSES TO INDIVIDUALS AND POPULATIONS

A. Potential Semiannual Doses to Individuals from Gaseous Releases.

Total body, skin and organ doses from ground releases were calculated in millirem (mrem) to an average adult, teenager, child and infant using the annual configuration of GASPAR program. Results to each receptor are shown in Tables VI-A-1 through VI-A-36. Also, the doses to the same groups in units of millirads (mrad), due to gamma and beta radiation carried by air, were computed using GASPAR. In its annual configuration, GASPAR assumes that all release rates are entered in curies per year (Ci/yr). If the total curies released per isotope during the semiannual period are assumed released for an annual period (Ci/yr), this release rate reduction is conveniently offset by the annual usage or dose factors, thereby allowing GASPAR to calculate semiannual doses.

The inputs to GASPAR for the semiannual period from January through June of 1984 were as follows:

(1) All gaseous effluents were as described in Section I. The totals in curies of I-133 and I-135 include all actual and estimated activities. In most cases, I-133 and I-135 activities were estimated, if there was no measurable activity in a release, by exponentially back-calculating to a mid-week activity using the maximum instrument sensitivity (minimum detectable activity).

(2) Entrained gases (Xe-133 and Xe-135) from liquid effluents were as described in Section II.

(3) Semiannual "X/Q's" at the actual receptor locations, which were corrected for open terrain, plume depletion, and radioactive decay factors were calculated according to Regulatory Guide 1.111. Also included were semiannual deposition rates corrected for the open terrain factor.

(4) The production, intake and grazing fractions were as follows: 1.0 for fresh leafy vegetation grown locally, 0.5 for the pasture grazing season, 0.76 for vegetation intake grown in gardens, 1 for daily intake of animals while on pasture and 8 g/m3 for the air water concentration.

(5) All dose factors, transport times from receptor to individual, and usage factors were defined by Regulatory Guide 1.109 in GASPAR.

(6) Site specific information, within a five mile radius of the plant, on types of receptors located in each sector was used. That is, if a cow was not present in a sector, then the milk pathway for that sector was not considered. If it was present, then its actual sector distance was used.

These inputs introduce a most conservative approach for the following reasons:

(1) The open terrain and deposition corrections increase semiannual "X/Q's" by a factor ranging between 1.0 and 4.0.

(2) The production, intake and grazing fractions, as defined in the input definition statement, represent an environmental area in an extremely conservative manner.

(3) In the majority of the releases, I-133 and I-135 were back-calculated even though there was no measurable activity.

B. Potential Semiannual Doses to Population from Gaseous Releases.

The GASPAR program in its annual configuration was also used to calculate the ALARA integrated population dose summary for the total body, skin and organ doses in manrems for all individuals within a 50-mile radius population. Results are shown in Table VI-B-1. The population-integrated dose is the summation of the dose received by all individuals and has units of man-thyroid-rem when applied to the summation of thyroid doses. The same inputs were used as in the individual case with the addition of the following:

(1) A total population of 836,172, based on a 1980 conservative estimate, was used to define the sector segments within the 50-mile radius of the plant.

(1) Total productions for milk, meat and vegetation were based on 1973 annual data for Nebraska as recommended by the NRC for use in GASPAR.

C. Potential Semiannual Doses to Individuals from Liquid Releases.

Total body, skin and organ mrem doses for liquid releases were calculated for all significant liquid pathways using the annual configuration of the LADTAP program. Results are shown in Tables VI-C-1 through VI-C-10.

The inputs to LADTAP for the semiannual period from January through June 1984 were as follows:

(1) All liquid effluents were as described in Section I, except for the entrained gases (Xe-133 and Xe-135).

(2) A plant discharge rate of 802 cubic feet per second (CFS) was used.

(3) Dilution factors (inverse of the mixing ratios) were computed based on Regulatory Guide 1.113 (equation 7 in Section 2.a.1 of Appendix A) for a one-dimensional transport model.

(4) A drinking water transport time of 6.6 hours to the Omaha intake and 7.0 hours to the Council Bluffs intake for the ALARA doses in Tables VI-C-1 through VI-C-6 was used. For Tables VI-C-7 through VI-C-10, a transport time of 0.0 was used from the plant to the discharge from the site.

(5) A shorewidth factor of .2 was used.

(6) All consumption rates, usage rates, and transport times from receptor to individual were as defined by Regulatory Guide 1.109 in LADTAP.

The discharge site in Tables VI-C-7 through VI-C-10 was chosen to present a most conservative estimate of mrem dose for an average adult, teenager, child and infant. A conservative approach is also presented by the assumption that Omaha and Council Bluffs receive all drinking water from the Missouri River.

D. Potential Semiannual Doses to Population from Liquid Releases.

The LADTAP program in its annual configuration was also used to calculate the total body and organ doses for the population of 836,172 within a 50-mile radius of the plant. Results are shown in Tables VI-D-1 through VI-D-6. The same input were used as in the individual cases with the addition of the following:

(1) Dilution factors and transport times for the pathways of sportfish, commercial fish, recreation and biota were calculated based on a distance of two miles downstream as approximately the distance to the nearest recreational facility - Desoto National Wildlife Refuge.

(2) The total fish harvest for both sport and commercial purposes was calculated using an average commercial fish catch for Nebraska.

E. Direct Radiation Doses to Individuals and Population.

Direct radiation doses, attributable to the gamma radiation emitted from the containment structure, were not observed above local background at any TLD and Geiger-Mueller sample locations for this semiannual period.

Details of this sample system are given in Section V, Environmental Monitoring.

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 1 BEEF
AT 1.86 MILES N

SEMI-ANNUAL BETA AIR DOSE = 6.05E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.98E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.22E-03	3.54E-03
MEAT								
ADULT	2.99E-05	2.69E-05	4.39E-06	3.23E-05	3.29E-05	1.24E-03	2.60E-05	2.56E-05
TEEN	1.79E-05	1.61E-05	3.62E-06	2.06E-05	2.12E-05	8.93E-04	1.56E-05	1.53E-05
CHILD	2.13E-05	1.89E-05	6.66E-06	2.55E-05	2.60E-05	1.34E-03	1.88E-05	1.85E-05

TABLE VI-A-1

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 2 BEEF,RES
AT 1.86 MILES NNE

SEMI-ANNUAL BETA AIR DOSE = 6.83E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.23E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.38E-03	3.99E-03
GROUND	2.40E-05	2.40E-05	2.40E-05	2.40E-05	2.40E-05	2.40E-05	2.40E-05	2.82E-05
MEAT								
ADULT	3.24E-05	3.00E-05	3.46E-06	3.42E-05	3.48E-05	9.84E-04	2.93E-05	2.90E-05
TEEN	1.93E-05	1.79E-05	2.86E-06	2.15E-05	2.20E-05	7.09E-04	1.75E-05	1.73E-05
CHILD	2.31E-05	2.12E-05	5.25E-06	2.64E-05	2.68E-05	1.07E-03	2.12E-05	2.09E-05
INHAL								
ADULT	1.15E-04	1.13E-04	3.75E-06	1.17E-04	1.21E-04	1.64E-03	1.13E-04	1.12E-04
TEEN	1.16E-04	1.14E-04	5.27E-06	1.20E-04	1.25E-04	2.00E-03	1.14E-04	1.12E-04
CHILD	1.03E-04	1.00E-04	7.14E-06	1.07E-04	1.11E-04	2.23E-03	1.01E-04	9.94E-05
INFANT	5.98E-05	5.75E-05	5.56E-06	6.39E-05	6.46E-05	2.01E-03	5.86E-05	5.72E-05

TABLE VI-A-2

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 3 RES
AT 1.47 MILES NE

SEMI-ANNUAL BETA AIR DOSE = 1.29E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.21E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.47E-03	2.60E-03	7.53E-03
GROUND	3.06E-05	3.06E-05	3.06E-05	3.06E-05	3.06E-05	3.06E-05	3.06E-05	3.59E-05
INHAL ADULT	2.16E-04	2.13E-04	7.13E-06	2.21E-04	2.27E-04	3.12E-03	2.13E-04	2.11E-04
TEEN	2.19E-04	2.15E-04	1.00E-05	2.26E-04	2.35E-04	3.81E-03	2.15E-04	2.12E-04
CHILD	1.94E-04	1.89E-04	1.36E-05	2.01E-04	2.09E-04	4.24E-03	1.90E-04	1.87E-04
INFANT	1.13E-04	1.08E-04	1.06E-05	1.20E-04	1.22E-04	3.82E-03	1.10E-04	1.08E-04

TABLE VI-A-3

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 4 VEG,RES
AT 4.76 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 1.01E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.26E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	2.01E-04	5.86E-04
GROUND	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.74E-06
VEGET								
ADULT	3.31E-05	3.09E-05	2.96E-06	3.47E-05	3.49E-05	7.94E-04	3.03E-05	3.01E-05
TEEN	3.70E-05	3.50E-05	3.61E-06	4.00E-05	3.93E-05	6.68E-04	3.49E-05	3.45E-05
CHILD	5.60E-05	5.37E-05	7.65E-06	6.18E-05	5.99E-05	1.01E-03	5.40E-05	5.34E-05
INHAL								
ADULT	1.71E-05	1.69E-05	5.27E-07	1.74E-05	1.79E-05	2.33E-04	1.68E-05	1.67E-05
TEEN	1.73E-05	1.70E-05	7.40E-07	1.78E-05	1.85E-05	2.84E-04	1.70E-05	1.68E-05
CHILD	1.54E-05	1.49E-05	1.00E-06	1.59E-05	1.64E-05	3.16E-04	1.51E-05	1.48E-05
INFANT	8.91E-06	8.57E-06	7.81E-07	9.47E-06	9.59E-06	2.84E-04	8.72E-06	8.53E-06

TABLE VI-A-4

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 5 MILK
AT 4.93 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 9.52E-04 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.06E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.79E-04	1.79E-04	1.79E-04	1.79E-04	1.79E-04	1.79E-04	1.89E-04	5.51E-04
COW MILK ADULT	1.26E-05	1.06E-05	3.31E-06	1.45E-05	1.63E-05	1.20E-03	9.71E-06	9.56E-06
TEEN	1.69E-05	1.38E-05	5.98E-06	2.12E-05	2.44E-05	1.90E-03	1.27E-05	1.25E-05
CHILD	2.68E-05	2.07E-05	1.44E-05	3.48E-05	3.95E-05	3.75E-03	2.01E-05	1.97E-05
INFANT	4.26E-05	3.09E-05	2.86E-05	6.47E-05	6.41E-05	9.09E-03	3.06E-05	2.99E-05

TABLE VI-A-5

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 6 BEEF
AT 4.96 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 9.43E-04 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.03E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.78E-04	1.87E-04	5.46E-04
MEAT								
ADULT	4.34E-06	4.12E-06	3.11E-07	4.51E-06	4.55E-06	8.97E-05	4.06E-06	4.03E-06
TEEN	2.59E-06	2.46E-06	2.57E-07	2.79E-06	2.83E-06	6.45E-05	2.43E-06	2.41E-06
CHILD	3.11E-06	2.94E-06	4.72E-07	3.40E-06	3.44E-06	9.66E-05	2.93E-06	2.91E-06

TABLE VI-A-6

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 7 VEG,RES
AT 4.66 MILES E

SEMI-ANNUAL BETA AIR DOSE = 1.12E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.58E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.20E-04	6.45E-04
GROUND	2.14E-06	2.14E-06	2.14E-06	2.14E-06	2.14E-06	2.14E-06	2.14E-06	2.51E-06
VEGET								
ADULT	3.60E-05	3.40E-05	2.71E-06	3.75E-05	3.77E-05	7.32E-04	3.36E-05	3.33E-05
TEEN	4.05E-05	3.87E-05	3.30E-06	4.33E-05	4.26E-05	6.18E-04	3.86E-05	3.82E-05
CHILD	6.15E-05	5.94E-05	7.01E-06	6.68E-05	6.51E-05	9.37E-04	5.97E-05	5.91E-05
INHAL								
ADULT	1.89E-05	1.87E-05	5.83E-07	1.93E-05	1.98E-05	2.58E-04	1.86E-05	1.85E-05
TEEN	1.92E-05	1.88E-05	8.19E-07	1.98E-05	2.05E-05	3.15E-04	1.89E-05	1.86E-05
CHILD	1.70E-05	1.65E-05	1.11E-06	1.76E-05	1.82E-05	3.50E-04	1.67E-05	1.64E-05
INFANT	9.87E-06	9.49E-06	8.64E-07	1.05E-05	1.06E-05	3.14E-04	9.66E-06	9.45E-06

TABLE VI-A-7

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 8 RES
AT 4.24 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 3.19E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.03E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.01E-04	6.01E-04	6.01E-04	6.01E-04	6.01E-04	6.01E-04	6.33E-04	1.85E-03
GROUND	5.59E-06	5.59E-06	5.59E-06	5.59E-06	5.59E-06	5.59E-06	5.59E-06	6.57E-06
INHAL								
ADULT	5.40E-05	5.33E-05	1.67E-06	5.51E-05	5.66E-05	7.39E-04	5.31E-05	5.26E-05
TEEN	5.46E-05	5.36E-05	2.35E-06	5.63E-05	5.84E-05	9.03E-04	5.38E-05	5.30E-05
CHILD	4.85E-05	4.72E-05	3.19E-06	5.01E-05	5.19E-05	1.00E-03	4.75E-05	4.68E-05
INFANT	2.81E-05	2.71E-05	2.48E-06	2.99E-05	3.03E 05	9.02E-04	2.75E-05	2.69E-05

TABLE VI-A-8

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 9 BEEF
AT 5.03 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 2.34E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 7.49E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.61E-04	1.35E-03
MEAT								
ADULT	1.06E-05	1.02E-05	5.81E-07	1.09E-05	1.10E-05	1.70E-04	1.01E-05	1.00E-05
TEEN	6.31E-06	6.07E-06	4.80E-07	6.68E-06	6.76E-06	1.22E-04	6.01E-06	5.97E-06
CHILD	7.59E-06	7.28E-06	8.82E-07	8.14E-06	8.21E-06	1.82E-04	7.26E-06	7.22E-06

TABLE VI-A-9

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 10 VEG
AT 1.53 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 2.09E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 6.77E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.97E-03	3.97E-03	3.97E-03	3.97E-03	3.97E-03	3.97E-03	4.18E-03	1.21E-02
VEGET								
ADULT	7.13E-04	6.39E-04	1.00E-04	7.67E-04	7.74E-04	2.65E-02	6.22E-04	6.13E-04
TEEN	7.88E-04	7.21E-04	1.22E-04	6.90E-04	8.67E-04	2.22E-02	7.17E-04	7.02E-04
CHILD	1.18E-03	1.10E-03	2.59E-04	1.37E-03	1.31E-03	3.30E-02	1.11E-03	1.09E-03

TABLE VI-A-10

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 11 RES
AT 1.65 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 1.78E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.83E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.42E-03	3.60E-03	1.04E-02
GROUND	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	7.66E-05
INHAL								
ADULT	2.98E-04	2.94E-04	9.78E-06	3.04E-04	3.13E-04	4.27E-03	2.93E-04	2.90E-04
TEEN	3.01E-04	2.96E-04	1.37E-05	3.11E-04	3.23E-04	5.23E-03	2.97E-04	2.92E-04
CHILD	2.68E-04	2.60E-04	1.86E-05	2.77E-04	2.88E-04	5.82E-03	2.62E-04	2.58E-04
INFANT	1.55E-04	1.49E-04	1.45E-05	1.66E-04	1.68E-04	5.24E-03	1.52E-04	1.48E-04

TABLE VI-A-11

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 12 PORK
AT 3.84 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 3.12E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.01E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	5.94E-04	6.25E-04	1.82E-03
MEAT								
ADULT	1.45E-05	1.36E-05	1.30E-06	1.52E-05	1.54E-05	3.72E-04	1.34E-05	1.33E-05
TEEN	8.68E-06	8.14E-06	1.07E-06	9.50E-06	9.68E-06	2.68E-04	8.01E-06	7.92E-06
CHILD	1.04E-05	9.70E-06	1.97E-06	1.16E-05	1.18E-05	4.02E-04	9.67E-06	9.56E-06

TABLE VI-A-12

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 13 VEG,RES
AT 0.89 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 4.99E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.65E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.70E-03	9.70E-03	9.70E-03	9.70E-03	9.70E-03	9.70E-03	1.02E-02	2.93E-02
GROUND	3.66E-04	3.66E-04	3.66E-04	3.66E-04	3.66E-04	3.66E-04	3.66E-04	4.30E-04
VEGET								
ADULT	1.93E-03	1.59E-03	4.65E-04	2.18E-03	2.22E-03	1.22E-01	1.50E-03	1.47E-03
TEEN	2.08E-03	1.77E-03	5.66E-04	2.55E-03	2.45E-03	1.01E-01	1.75E-03	1.68E-03
CHILD	3.01E-03	2.66E-03	1.20E-03	3.93E-03	3.63E-03	1.54E-01	2.70E-03	2.60E-03
INHAL								
ADULT	8.35E-04	8.23E-04	2.81E-05	8.54E-04	8.79E-04	1.22E-02	8.21E-04	8.13E-04
TEEN	8.46E-04	8.29E-04	3.95E-05	8.74E-04	9.08E-04	1.50E-02	8.32E-04	8.18E-04
CHILD	7.51E-04	7.29E-04	5.35E-05	7.78E-04	8.08E-04	1.67E-02	7.35E-04	7.23E-04
INFANT	4.36E-04	4.18E-04	4.16E-05	4.66E-04	4.72E-04	1.50E-02	4.27E-04	4.16E-04

TABLE VI-A-13

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 14 PORK
AT 1.10 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 4.04E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.33E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.80E-03	7.80E-03	7.80E-03	7.80E-03	7.80E-03	7.80E-03	8.20E-03	2.37E-02
MEAT								
ADULT	2.10E-04	1.82E-04	3.96E-05	2.31E-04	2.37E-04	1.11E-02	1.74E-04	1.71E-04
TEEN	1.25E-04	1.09E-04	3.27E-05	1.50E-04	1.56E-04	8.02E-03	1.05E-04	1.02E-04
CHILD	1.49E-04	1.27E-04	6.01E-05	1.86E-04	1.91E-04	1.21E-02	1.26E-04	1.23E-04

TABLE VI-A-14

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 15 VEG,RES
AT 0.78 MILES S

SEMI-ANNUAL BETA AIR DOSE = 4.42E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.45E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.53E-03	8.53E-03	8.53E-03	8.53E-03	8.53E-03	8.53E-03	8.97E-03	2.59E-02
GROUND	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.55E-04	2.99E-04
VEGET								
ADULT	1.62E-03	1.38E-03	3.23E-04	1.80E-03	1.82E-03	8.50E-02	1.33E-03	1.30E-03
TEEN	1.76E-03	1.55E-03	3.94E-04	2.10E-03	2.02E-03	7.09E-02	1.54E-03	1.49E-03
CHILD	2.59E-03	2.34E-03	8.36E-04	3.23E-03	3.02E-03	1.08E-01	2.37E-03	2.31E-03
INHAL								
ADULT	7.40E-04	7.30E-04	2.49E-05	7.57E-04	7.79E-04	1.09E-02	7.28E-04	7.20E-04
TEEN	7.50E-04	7.35E-04	3.50E-05	7.75E-04	8.05E-04	1.33E-02	7.37E-04	7.25E-04
CHILD	6.66E-04	6.46E-04	4.75E-05	6.90E-04	7.16E-04	1.48E-02	6.52E-04	6.41E-04
INFANT	3.86E-04	3.70E-04	3.69E-05	4.13E-04	4.18E-04	1.33E-02	3.78E-04	3.69E-04

TABLE VI-A-15

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 16 BEEF
AT 1.98 MILES S

SEMI-ANNUAL BETA AIR DOSE = 5.23E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.71E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.06E-03	3.06E-03
MEAT								
ADULT	2.56E-05	2.32E-05	3.53E-06	2.75E-05	2.81E-05	9.97E-04	2.24E-05	2.22E-05
TEEN	1.53E-05	1.38E-05	2.92E-06	1.75E-05	1.80E-05	7.19E-04	1.35E-05	1.32E-05
CHILD	1.83E-05	1.64E-05	5.36E-06	2.16E-05	2.20E-05	1.08E-03	1.63E-05	1.60E-05

TABLE VI-A-16

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 06-21-84
SPECIAL LOCATION # 1 COW
AT 2.75 MILES S

SEMI-ANNUAL BETA AIR DOSE = 2.54E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 8.31E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.88E-04	4.88E-04	4.88E-04	4.88E-04	4.88E-04	4.88E-04	5.13E-04	1.49E-03
COW MILK								
ADULT	4.15E-05	3.07E-05	1.76E-05	5.17E-05	6.09E-05	6.37E-03	2.61E-05	2.53E-05
TEEN	5.63E-05	4.02E-05	3.18E-05	7.95E-05	9.64E-05	1.01E-02	3.45E-05	3.30E-05
CHILD	8.98E-05	5.78E-05	7.67E-05	1.32E-04	1.57E-04	1.99E-02	5.44E-05	5.21E-05
INFANT	1.47E-04	8.46E-05	1.52E-04	2.64E-04	2.61E-04	4.83E-02	8.31E-05	7.91E-05

TABLE VI-A-17

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 2 VEG,RES
AT 0.62 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 3.56E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.17E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.90E-03	6.90E-03	6.90E-03	6.90E-03	6.90E-03	6.90E-03	7.26E-03	2.09E-02
GROUND	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	2.24E-04
VEGET								
ADULT	1.29E-03	1.11E-03	2.42E-04	1.42E-03	1.44E-03	6.36E-02	1.07E-03	1.05E-03
TEEN	1.40E-03	1.24E-03	2.95E-04	1.65E-03	1.60E-03	5.31E-02	1.23E-03	1.20E-03
CHILD	2.07E-03	1.88E-03	6.25E-04	2.55E-03	2.39E-03	8.05E-02	1.91E-03	1.86E-03
INHAL								
ADULT	5.96E-04	5.88E-04	2.03E-05	6.10E-04	6.28E-04	8.82E-03	5.86E-04	5.80E-04
TEEN	6.04E-04	5.92E-04	2.85E-05	6.24E-04	6.49E-04	1.08E-02	5.94E-04	5.84E-04
CHILD	5.36E-04	5.20E-04	3.87E-05	5.56E-04	5.77E-04	1.20E-02	5.25E-04	5.16E-04
INFANT	3.11E-04	2.98E-04	3.00E-05	3.33E-04	3.37E-04	1.08E-02	3.05E-04	2.97E-04

TABLE VI-A-18

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 3 MILK
AT 0.67 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 3.09E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.03E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.04E-03	6.04E-03	6.04E-03	6.04E-03	6.04E-03	6.04E-03	6.35E-03	1.82E-02
COW MILK ADULT	5.41E-04	3.84E-04	2.55E-04	6.88E-04	8.23E-04	9.23E-02	3.17E-04	3.06E-04
TEEN	7.37E-04	5.03E-04	4.61E-04	1.07E-03	1.32E-03	1.46E-01	4.21E-04	3.99E-04
CHILD	1.18E-03	7.12E-04	1.11E-03	1.79E-03	2.16E-03	2.88E-01	6.63E-04	6.30E-04
INFANT	1.94E-03	1.04E-03	2.20E-03	3.64E-03	3.59E-03	7.00E-01	1.01E-03	9.56E-04

TABLE VI-A-19

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 4 BEEF
AT 2.01 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 2.58E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 8.42E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.95E-04	4.95E-04	4.95E-04	4.95E-04	4.95E-04	4.95E-04	5.20E-04	1.51E-03
MEAT								
ADULT	1.25E-05	1.14E-05	1.66E-06	1.34E-05	1.37E-05	4.68E-04	1.10E-05	1.09E-05
TEEN	7.49E-06	6.80E-06	1.37E-06	8.54E-06	8.76E-06	3.37E-04	6.63E-06	6.52E-06
CHILD	8.94E-06	8.04E-06	2.51E-06	1.05E-05	1.07E-05	5.07E-04	8.00E-06	7.87E-06

TABLE VI-A-20

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 5 VEG RES
AT 0.71 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 3.04E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.00E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.88E-03	5.88E-03	5.88E-03	5.88E-03	5.88E-03	5.88E-03	6.19E-03	1.78E-02
GROUND	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.96E-04
VEGET								
ADULT	1.11E-03	9.48E-04	2.12E-04	1.22E-03	1.23E-03	5.57E-02	9.11E-04	8.93E-04
TEEN	1.20E-03	1.06E-03	2.58E-04	1.42E-03	1.37E-03	4.65E-02	1.05E-03	1.02E-03
CHILD	1.77E-03	1.61E-03	5.48E-04	2.19E-03	2.05E-03	7.06E-02	1.63E-03	1.58E-03
INHAL								
ADULT	5.09E-04	5.02E-04	1.73E-05	5.20E-04	5.35E-04	7.50E-03	5.00E-04	4.95E-04
TEEN	5.15E-04	5.05E-04	2.42E-05	5.33E-04	5.54E-04	9.18E-03	5.07E-04	4.98E-04
CHILD	4.58E-04	4.44E-04	3.29E-05	4.74E-04	4.93E-04	1.02E-02	4.48E-04	4.40E-04
INFANT	2.65E-04	2.55E-04	2.56E-05	2.84E-04	2.58E-04	9.21E-03	2.60E-04	2.53E-04

TABLE VI-A-21

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 6 BEEF
AT 0.81 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 2.27E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 7.45E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.38E-03	4.38E-03	4.38E-03	4.38E-03	4.38E-03	4.38E-03	4.60E-03	1.33E-02
MEAT								
ADULT	1.13E-04	1.01E-04	1.77E-05	1.23E-04	1.25E-04	5.00E-03	9.71E-05	9.58E-05
TEEN	6.76E-05	6.03E-05	1.46E-05	7.88E-05	8.12E-05	3.61E-03	5.84E-05	5.72E-05
CHILD	8.05E-05	7.09E-05	2.69E-05	9.74E-05	9.95E-05	5.43E-03	7.04E-05	6.90E-05

TABLE VI-A-22

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 7 VEG.RES
AT 1.01 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 1.12E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.69E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.28E-03	6.58E-03
GROUND	5.87E-05	5.87E-05	5.87E-05	5.87E-05	5.87E-05	5.87E-05	5.87E-05	6.89E-05
VEGET								
ADULT	4.05E-04	3.50E-04	7.44E-05	4.45E-04	4.50E-04	1.96E-02	3.36E-04	3.30E-04
TEEN	4.42E-04	3.92E-04	9.07E-05	5.18E-04	5.01E-04	1.64E-02	3.89E-04	3.78E-04
CHILD	6.52E-04	5.95E-04	1.92E-04	7.98E-04	7.51E-04	2.48E-02	6.02E-04	5.86E-04
INHAL								
ADULT	1.88E-04	1.85E-04	6.30E-06	1.92E-04	1.98E-04	2.75E-03	1.85E-04	1.83E-04
TEEN	1.90E-04	1.87E-04	8.85E-06	1.97E-04	2.05E-04	3.36E-03	1.87E-04	1.84E-04
CHILD	1.69E-04	1.64E-04	1.20E-05	1.75E-04	1.82E-04	3.74E-03	1.66E-04	1.63E-04
INFANT	9.81E-05	9.41E-05	9.33E-06	1.05E-04	1.06E-04	3.37E-03	9.61E-05	9.37E-05

TABLE VI-A-23

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 8 BEEF,PORK
AT 4.71 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 4.14E-04 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.33E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.81E-05	7.81E-05	7.81E-05	7.81E-05	7.81E-05	7.81E-05	8.22E-05	2.40E-04
MEAT								
ADULT	1.97E-06	1.83E-06	2.06E-07	2.08E-06	2.11E-06	5.84E-05	1.79E-06	1.77E-06
TEEN	1.18E-06	1.09E-06	1.70E-07	1.31E-06	1.34E-06	4.21E-05	1.07E-06	1.06E-06
CHILD	1.41E-06	1.30E-06	3.12E-07	1.61E-06	1.63E-06	6.32E-05	1.29E-06	1.28E-06

TABLE VI-A-24

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 9 VEG.RES
AT 1.17 MILES W

SEMI-ANNUAL BETA AIR DOSE = 1.17E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.84E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.37E-03	6.86E-03
GROUND	6.22E-05	6.22E-05	6.22E-05	6.22E-05	6.22E-05	6.22E-05	6.22E-05	7.30E-05
VEGET								
ADULT	4.25E-04	3.67E-04	7.89E-05	4.68E-04	4.74E-04	2.07E-02	3.53E-04	3.47E-04
TEEN	4.64E-04	4.12E-04	9.61E-05	5.45E-04	5.27E-04	1.73E-02	4.08E-04	3.97E-04
CHILD	6.85E-04	6.24E-04	2.04E-04	8.40E-04	7.90E-04	2.63E-02	6.32E-04	6.15E-04
INHAL								
ADULT	1.97E-04	1.95E-04	6.54E-06	2.02E-04	2.07E-04	2.85E-03	1.94E-04	1.92E-04
TEEN	2.00E-04	1.96E-04	9.18E-06	2.06E-04	2.14E-04	3.49E-03	1.97E-04	1.93E-04
CHILD	1.77E-04	1.72E-04	1.25E-05	1.84E-04	1.91E-04	3.89E-03	1.74E-04	1.71E-04
INFANT	1.03E-04	9.88E-05	9.68E-06	1.10E-04	1.11E-04	3.50E-03	1.01E-04	9.83E-05

TABLE VI-A-25

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 10 BEEF
AT 1.94 MILES W

SEMI-ANNUAL BETA AIR DOSE = 3.94E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.24E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.21E-04	7.21E-04	7.21E-04	7.21E-04	7.21E-04	7.21E-04	7.61E-04	2.25E-03
MEAT								
ADULT	1.98E-05	1.80E-05	2.55E-06	2.11E-05	2.15E-05	7.17E-04	1.74E-05	1.72E-05
TEEN	1.18E-05	1.07E-05	2.11E-06	1.34E-05	1.37E-05	5.17E-04	1.05E-05	1.03E-05
CHILD	1.41E-05	1.27E-05	3.87E-06	1.65E-05	1.68E-05	7.77E-04	1.26E-05	1.24E-05

TABLE VI-A-26

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 11 MILK
AT 2.16 MILES W

SEMI-ANNUAL BETA AIR DOSE = 3.00E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.81E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.76E-04	5.76E-04	5.76E-04	5.76E-04	5.76E-04	5.76E-04	6.06E-04	1.75E-03
COW MILK								
ADULT	4.91E-05	3.62E-05	2.10E-05	6.12E-05	7.23E-05	7.59E-03	3.07E-05	2.98E-05
TEEN	6.67E-05	4.74E-05	3.79E-05	9.44E-05	1.14E-04	1.20E-02	4.07E-05	3.88E-05
CHILD	1.06E-04	6.81E-05	9.15E-05	1.57E-04	1.87E-04	2.37E-02	6.41E-05	6.14E-05
INFANT	1.74E-04	9.97E-05	1.81E-04	3.14E-04	3.10E-04	5.75E-02	9.80E-05	9.31E-05

TABLE VI-A-27

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 12 RES,BEEF
AT 2.00 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 6.81E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.23E-03 MILLRADS

PATHWAY	T.BODY	GI-TRAC	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.37E-03	3.98E-03
GROUND	2.71E-05	2.71E-05	2.71E-05	2.71E-05	2.71E-05	2.71E-05	2.71E-05	3.18E-05
MEAT								
ADULT	3.27E-05	3.00E-05	3.91E-06	3.48E-05	3.54E-05	1.11E-03	2.91E-05	2.88E-05
TEEN	1.95E-05	1.79E-05	3.23E-06	2.20E-05	2.25E-05	7.98E-04	1.75E-05	1.72E-05
CHILD	2.33E-05	2.12E-05	5.93E-06	2.70E-05	2.75E-05	1.20E-03	2.11E-05	2.08E-05
INHAL								
ADULT	1.14E-04	1.13E-04	3.72E-06	1.17E-04	1.20E-04	1.63E-03	1.12E-04	1.11E-04
TEEN	1.16E-04	1.13E-04	5.23E-06	1.19E-04	1.24E-04	1.99E-03	1.14E-04	1.12E-04
CHILD	1.03E-04	9.97E-05	7.10E-06	1.06E-04	1.10E-04	2.22E-03	1.00E-04	9.89E-05
INFANT	5.95E-05	5.72E-05	5.52E-06	6.35E-05	6.43E-05	2.00E-03	5.83E-05	5.69E-05

TABLE VI-A-28

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 13 VEG
AT 2.23 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 5.33E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.74E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.08E-03	3.11E-03
VEGET								
ADULT	1.83E-04	1.64E-04	2.64E-05	1.98E-04	2.00E-04	6.98E-03	1.59E-04	1.57E-04
TEEN	2.02E-04	1.85E-04	3.22E-05	2.29E-04	2.23E-04	5.84E-03	1.84E-04	1.80E-04
CHILD	3.02E-04	2.82E-04	6.82E-05	3.54E-04	3.37E-04	8.86E-03	2.84E-04	2.78E-04

TABLE VI-A-29

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 14 MILK
AT 4.58 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 1.26E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.07E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.51E-04	7.31E-04
COW MILK								
ADULT	1.84E-05	1.45E-05	6.27E-06	2.20E-05	2.53E-05	2.27E-03	1.29E-05	1.26E-05
TEEN	2.48E-05	1.90E-05	1.13E-05	3.30E-05	3.90E-05	3.59E-03	1.70E-05	1.64E-05
CHILD	3.94E-05	2.80E-05	2.74E-05	5.46E-05	6.35E-05	7.10E-03	2.68E-05	2.59E-05
INFANT	6.35E-05	4.13E-05	5.42E-05	1.05E-04	1.04E-04	1.72E-02	4.08E-05	3.94E-05

TABLE VI-A-30

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 15 RES
AT 2.40 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 7.23E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.36E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.39E-03	1.46E-03	4.22E-03
GROUND	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	3.40E-05
INHAL								
ADULT	1.21E-04	1.19E-04	3.91E-06	1.24E-04	1.27E-04	1.71E-03	1.19E-04	1.18E-04
TEEN	1.23E-04	1.20E-04	5.49E-06	1.27E-04	1.31E-04	2.09E-03	1.21E-04	1.19E-04
CHILD	1.09E-04	1.06E-04	7.45E-06	1.13E-04	1.17E-04	2.33E-03	1.07E-04	1.05E-04
INFANT	6.32E-05	6.07E-05	5.80E-06	6.74E-05	6.82E-05	2.10E-03	6.19E-05	6.04E-05

TABLE VI-A-31

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 16 VEG
AT 2.60 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 6.09E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.99E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.17E-03	1.17E-03	1.17E-03	1.17E-03	1.17E-03	1.17E-03	1.23E-03	3.56E-03
VEGET								
ADULT	2.10E-04	1.88E-04	3.06E-05	2.27E-04	2.29E-04	8.10E-03	1.82E-04	1.80E-04
TEEN	2.32E-04	2.12E-04	3.73E-05	2.63E-04	2.56E-04	6.78E-03	2.10E-04	2.06E-04
CHILD	3.46E-04	3.22E-04	7.92E-05	4.06E-04	3.87E-04	1.03E-02	3.25E-04	3.19E-04

TABLE VI-A-32

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS OP-21-84
SPECIAL LOCATION # 1 MILK,PORK
AT 3.47 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 3.46E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.13E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.60E-04	6.60E-04	6.60E-04	6.60E-04	6.60E-04	6.60E-04	6.94E-04	2.02E-03
MEAT								
ADULT	1.64E-05	1.52E-05	1.76E-06	1.74E-05	1.76E-05	5.00E-04	1.48E-05	1.47E-05
TEEN	9.81E-06	9.08E-06	1.45E-06	1.09E-05	1.12E-05	3.60E-04	8.89E-06	8.77E-06
CHILD	1.17E-05	1.08E-05	2.67E-06	1.34E-05	1.36E-05	5.41E-04	1.07E-05	1.06E-05
COW MILK								
ADULT	5.17E-05	4.02E-05	1.86E-05	6.25E-05	7.23E-05	6.75E-03	3.54E-05	3.45E-05
TEEN	6.97E-05	5.26E-05	3.37E-05	9.43E-05	1.12E-04	1.07E-02	4.66E-05	4.50E-05
CHILD	1.11E-04	7.71E-05	8.13E-05	1.56E-04	1.83E-04	2.11E-02	7.35E-05	7.11E-05
INFANT	1.80E-04	1.14E-04	1.61E-04	3.04E-04	3.01E-04	5.11E-02	1.12E-04	1.08E-04

TABLE VI-A-33

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 2 BEEF
AT 1.06 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 2.86E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.40E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.53E-03	5.53E-03	5.53E-03	5.53E-03	5.53E-03	5.53E-03	5.81E-03	1.68E-02
MEAT								
ADULT	1.45E-04	1.28E-04	2.50E-05	1.59E-04	1.62E-04	7.01E-03	1.23E-04	1.21E-04
TEEN	8.67E-05	7.64E-05	2.06E-05	1.02E-04	1.06E-04	5.06E-03	7.37E-05	7.20E-05
CHILD	1.03E-04	8.96E-05	3.79E-05	1.27E-04	1.30E-04	7.62E-03	8.90E-05	8.70E-05

TABLE VI-A-34

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 3 VEG,RES
AT 2.01 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 6.95E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.28E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.34E-03	1.34E-03	1.34E-03	1.34E-03	1.34E-03	1.34E-03	1.41E-03	4.07E-03
GROUND	3.37E-05	3.37E-05	3.37E-05	3.37E-05	3.37E-05	3.37E-05	3.37E-05	3.95E-05
VEGET								
ADULT	2.47E-04	2.16E-04	4.27E-05	2.70E-04	2.73E-04	1.13E-02	2.08E-04	2.05E-04
TEEN	2.71E-04	2.42E-04	5.21E-05	3.14E-04	3.05E-04	9.40E-03	2.40E-04	2.34E-04
CHILD	4.01E-04	3.68E-04	1.10E-04	4.85E-04	4.58E-04	1.43E-02	3.72E-04	3.63E-04
INHAL								
ADULT	1.16E-04	1.15E-04	3.80E-06	1.19E-04	1.22E-04	1.66E-03	1.15E-04	1.13E-04
TEEN	1.18E-04	1.16E-04	5.34E-06	1.22E-04	1.26E-04	2.03E-03	1.16E-04	1.14E-04
CHILD	1.05E-04	1.02E-04	7.24E-06	1.08E-04	1.12E-04	2.26E-03	1.02E-04	1.01E-04
INFANT	6.07E-05	5.83E-05	5.63E-06	6.48E-05	6.56E-05	2.04E-03	5.95E-05	5.80E-05

TABLE VI-A-35

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-21-84
SPECIAL LOCATION # 4 PORK
AT 3.70 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 2.00E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 6.51E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	4.02E-04	1.16E-03
MEAT								
ADULT	9.57E-06	8.80E-06	1.12E-06	1.02E-05	1.03E-05	3.17E-04	8.56E-06	8.48E-06
TEEN	5.71E-06	5.25E-06	9.22E-07	6.42E-06	6.57E-06	2.28E-04	5.13E-06	5.06E-06
CHILD	6.83E-06	6.23E-06	1.70E-06	7.90E-06	8.03E-06	3.43E-04	6.20E-06	6.11E-06

TABLE VI-A-36

FORT CALHOUN 1 SEMI-ANNUAL 1/84- 6/84 TRI-EX TOWER DATA 08-21-84
SEMI-ANNUAL ALARA INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.79E-02 73.65%	1.79E-02 75.37%	1.79E-02 92.30%	1.79E-02 71.70%	1.79E-02 70.50%	1.79E-02 5.06%	1.93E-02 77.18%	6.82E-02 92.30%
GROUND	3.64E-04 1.49%	3.64E-04 1.53%	3.64E-04 1.87%	3.64E-04 1.46%	3.64E-04 1.43%	3.64E-04 0.10%	3.64E-04 1.46%	4.27E-04 0.58%
INHAL	2.28E-03 9.39%	2.25E-03 9.47%	7.87E-05 0.41%	2.33E-03 9.34%	2.40E-03 9.43%	3.19E-02 8.99%	2.25E-03 9.01%	2.23E-03 3.01%
VEGET	2.57E-03 10.55%	2.23E-03 9.39%	6.89E-04 3.55%	2.96E-03 11.86%	3.21E-03 12.63%	2.01E-01 56.67%	2.12E-03 8.50%	2.09E-03 2.83%
COW MILK	6.74E-04 2.77%	5.22E-04 2.20%	3.02E-04 1.55%	8.53E-04 3.42%	9.61E-04 3.78%	8.72E-02 24.63%	4.86E-04 1.95%	4.73E-04 0.64%
MEAT	5.22E-04 2.15%	4.85E-04 2.04%	6.20E-05 0.32%	5.58E-04 2.23%	5.66E-04 2.23%	1.61E-02 4.55%	4.76E-04 1.91%	4.72E-04 0.64%
TOTAL	2.43E-02	2.38E-02	1.94E-02	2.50E-02	2.54E-02	3.54E-01	2.50E-02	7.39E-02

TABLE VI-B-1

FT. CALHOUN 1 SEMI-ANNUAL RELEASES FOR JAN 1984 TO JUN 1984 08-21-84

DISCHARGE=8.02E+02 CFS SOURCE TERM MULTIPLIER=1.00E+00

50-MILE POPULATION=8.36E+05 FRACTION --- ADULT=0.66
TEENAGER=0.14
CHILD=0.20

FRESHWATER SITE

FT. CALHOUN S. TERMS 1/84- 6/84

NO RECONCENTRATION OF NUCLIDES

* * * ADULT DOSE FACTORS * * *

			INGESTION DOSE FACTORS (MREM/PCI INTAKE)							SHORELINE (MREM/HR)/(PCI/M**2)		
NUCLIDE		CURIE/.5YR	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SKIN	TOTAL BODY	RECON
27CO	57	1.14E-03	0.00E+00	1.75E-07	2.91E-07	0.00E+00	0.00E+00	0.00E+00	4.44E-06	1.00E-09	9.10E-10	1.00E+00
42MO	99	5.56E-03	0.00E+00	4.31E-06	8.20E-07	0.00E+00	9.77E-06	0.00E+00	9.99E-06	2.20E-09	1.90E-09	1.00E+00
43TC	99M	6.04E-03	2.47E-10	6.98E-10	8.90E-09	0.00E+00	1.06E-08	3.42E-10	4.13E-07	1.10E-09	9.60E-10	1.00E+00
58CE	141	1.86E-03	9.37E-09	6.34E-09	7.18E-10	0.00E+00	2.94E-09	0.00E+00	2.42E-05	6.20E-10	5.50E-10	1.00E+00
24CR	51	9.01E-03	0.00E+00	0.00E+00	2.66E-09	1.59E-09	5.87E-10	3.53E-09	6.69E-07	2.60E-10	2.20E-10	1.00E+00
53I	131	2.19E-02	4.16E-06	5.96E-06	3.41E-06	1.95E-03	1.02E-05	0.00E+00	1.57E-08	3.40E-09	2.80E-09	1.00E+00
53I	133	5.96E-03	1.43E-06	2.48E-06	7.57E-07	4.77E-04	4.33E-06	0.00E+00	2.18E-06	4.50E-09	3.70E-09	1.00E+00
56BA	140	3.71E-03	2.03E-05	2.55E-08	1.34E-06	0.00E+00	8.68E-09	1.46E-08	4.18E-05	2.40E-09	2.10E-09	1.00E+00
44RU	103	1.12E-03	1.85E-07	0.00E+00	7.98E-08	0.00E+00	7.07E-07	0.00E+00	2.16E-05	4.20E-09	3.60E-09	1.00E+00
55CS	137	4.63E-02	7.98E-05	1.09E-04	7.15E-05	0.00E+00	3.71E-05	1.23E-05	2.10E-06	4.90E-09	4.20E-09	1.00E+00
40ZR	95	2.53E-03	3.04E-08	9.76E-09	6.61E-09	0.00E+00	1.54E-08	0.00E+00	3.03E-05	5.80E-09	5.00E-09	1.00E+00
41NB	95	1.38E-03	6.23E-09	3.46E-09	1.36E-09	0.00E+00	3.43E-09	0.00E+00	2.10E-05	6.00E-09	5.10E-09	1.00E+00
55CS	134	3.35E-02	6.22E-05	1.48E-04	1.21E-04	0.00E+00	4.80E-05	1.59E-05	2.59E-06	1.40E-08	1.20E-08	1.00E+00
27CO	58	2.65E-02	0.00E+00	7.46E-07	1.67E-06	0.00E+00	0.00E+00	0.00E+00	1.51E-05	8.20E-09	7.00E-09	1.00E+00
25MN	54	1.08E-03	0.00E+00	4.57E-06	8.73E-07	0.00E+00	1.36E-06	0.00E+00	1.40E-05	6.80E-09	5.80E-09	1.00E+00
55CS	136	1.32E-03	6.51E-06	2.57E-05	1.85E-05	0.00E+00	1.43E-05	1.96E-06	2.92E-06	1.70E-08	1.50E-08	1.00E+00
26FE	59	1.10E-03	4.34E-06	1.03E-05	3.92E-06	0.00E+00	0.00E+00	2.86E-06	3.40E-05	9.40E-09	8.00E-09	1.00E+00
30ZN	65	1.25E-03	4.85E-06	1.54E-05	6.97E-06	0.00E+00	1.03E-05	0.00E+00	9.70E-06	4.60E-09	4.00E-09	1.00E+00
27CO	60	3.07E-03	0.00E+00	2.15E-06	4.72E-06	0.00E+00	0.00E+00	0.00E+00	4.02E-05	2.00E-08	1.70E-08	1.00E+00
57LA	140	4.98E-04	2.50E-09	1.26E-09	3.34E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.70E-08	1.50E-08	1.00E+00
51SB	124	8.17E-04	2.81E-06	5.30E-08	1.11E-06	6.79E-09	0.00E+00	2.18E-06	7.95E-05	1.50E-08	1.30E-08	1.00E+00
1H	3	1.47E+02	0.00E+00	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	0.00E+00	0.00E+00	1.00E+00

TABLE VI-C-1

* * * TEENAGER DOSE FACTORS * * *

NUCLIDE		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) SKIN	TOTAL BODY	RECON
58CE	141	1.86E-03	1.26E-08	8.46E-09	9.70E-10	0.00E+00	2.94E-09	0.00E+00	2.29E-05			
53I	131	2.19E-02	5.57E-06	7.87E-06	4.69E-06	2.27E-03	1.02E-05	0.00E+00	1.49E-06			
53I	133	5.96E-03	2.03E-06	3.44E-06	1.06E-06	6.25E-04	4.33E-06	0.00E+00	2.50E-06			
56BA	140	3.71E-03	2.83E-05	3.48E-08	1.82E-06	0.00E+00	8.68E-09	2.33E-08	4.14E-06			
44RU	103	1.12E-03	2.37E-07	0.00E+00	1.06E-07	0.00E+00	7.07E-07	0.00E+00	1.85E-05			
55CS	137	4.63E-02	1.07E-04	1.44E-04	5.05E-05	0.00E+00	3.71E-05	1.91E-05	1.92E-06			
40ZR	95	2.53E-03	3.72E-08	1.24E-08	8.66E-09	0.00E+00	1.54E-08	0.00E+00	2.68E-05			
41NB	95	1.38E-03	7.24E-09	4.36E-09	2.46E-09	0.00E+00	3.43E-09	0.00E+00	1.78E-05			
55CS	134	3.35E-02	8.05E-05	1.94E-04	9.06E-05	0.00E+00	4.80E-05	2.35E-05	2.24E-06			
27CO	58	2.65E-02	0.00E+00	9.92E-07	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05			
27CO	60	3.07E-03	0.00E+00	2.76E-06	6.30E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-05			
57LA	140	4.98E-04	3.48E-09	1.72E-09	4.55E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-05			
1H	3	1.47E+02	0.00E+00	1.06E-07	1.06E-07	1.06E-07	1.34E-07	1.06E-07	1.06E-07			

* * * CHILD DOSE FACTORS * * *

NUCLIDE		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) SKIN	TOTAL BODY	RECON
58CE	141	1.86E-03	3.76E-08	1.88E-08	2.80E-09	0.00E+00	2.94E-09	0.00E+00	2.36E-05			
53I	131	2.19E-02	1.63E-05	1.67E-05	1.26E-05	5.43E-03	1.02E-05	0.00E+00	1.43E-06			
53I	133	5.96E-03	5.98E-06	7.38E-06	2.90E-06	1.78E-03	4.33E-06	0.00E+00	2.99E-06			
56BA	140	3.71E-03	8.26E-05	7.25E-08	4.85E-06	0.00E+00	8.68E-09	4.32E-08	4.21E-06			
44RU	103	1.12E-03	6.78E-07	0.00E+00	2.74E-07	0.00E+00	7.07E-07	0.00E+00	1.78E-05			
55CS	137	4.63E-02	3.12E-04	3.02E-04	4.50E-05	0.00E+00	3.71E-05	3.54E-05	1.84E-06			
40ZR	95	2.53E-03	1.04E-07	2.42E-08	2.20E-08	0.00E+00	1.54E-08	0.00E+00	2.50E-05			
41NB	95	1.38E-03	1.95E-08	8.32E-09	6.11E-09	0.00E+00	3.43E-09	0.00E+00	1.44E-05			
55CS	134	3.35E-02	2.24E-04	3.77E-04	8.02E-05	0.00E+00	4.80E-05	4.19E-05	2.04E-06			
27CO	58	2.65E-02	0.00E+00	1.85E-06	5.58E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-05			
27CO	60	3.07E-03	0.00E+00	5.17E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-05			
57LA	140	4.98E-04	1.01E-08	3.52E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-04			
1H	3	1.47E+02	0.00E+00	2.03E-07	2.03E-07	2.03E-07	1.34E-07	2.03E-07	2.03E-07			

* * * INFANT DOSE FACTORS * * *

NUCLIDE		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) SKIN	TOTAL BODY	RECON
58CE	141	1.86E-03	8.00E-08	4.91E-08	5.75E-09	0.00E+00	2.94E-09	0.00E+00	2.38E-05			
53I	131	2.19E-02	3.42E-05	4.07E-05	2.38E-05	1.31E-02	1.02E-05	0.00E+00	1.53E-06			
53I	133	5.96E-03	1.26E-05	1.84E-05	5.58E-06	4.35E-03	4.33E-06	0.00E+00	3.27E-06			
56BA	140	3.71E-03	1.74E-04	1.75E-07	8.99E-06	0.00E+00	8.68E-09	1.07E-07	4.43E-06			
44RU	103	1.12E-03	1.41E-06	0.00E+00	4.85E-07	0.00E+00	7.07E-07	0.00E+00	1.76E-05			
55CS	137	4.63E-02	6.53E-04	7.31E-04	4.20E-05	0.00E+00	3.71E-05	8.81E-05	1.89E-06			
40ZR	95	2.53E-03	2.11E-07	5.32E-08	3.78E-08	0.00E+00	1.54E-08	0.00E+00	2.38E-05			
41NB	95	1.38E-03	3.89E-08	1.75E-08	1.03E-08	0.00E+00	3.43E-09	0.00E+00	1.40E-05			
55CS	134	3.35E-02	4.58E-04	8.24E-04	6.97E-05	0.00E+00	4.80E-05	9.42E-05	1.96E-06			
27CO	58	2.65E-02	0.00E+00	3.78E-06	9.26E-06	0.00E+00	0.00E+00	0.00E+00	9.79E-06			
27CO	60	3.07E-03	0.00E+00	1.07E-05	2.56E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-05			
57LA	140	4.98E-04	2.12E-08	8.37E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-04			
1H	3	1.47E+02	0.00E+00	3.07E-07	3.07E-07	3.07E-07	1.34E-07	3.07E-07	3.07E-07			

TOTAL NUMBER IN SOURCE TERM IS 22 TOTAL RELEASE IS 1.4758E+02

TABLE VI-C-2

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

ADULT DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		3.40E-01	5.90E-01	4.34E-01	1.83E-02	1.97E-01	6.53E-02	3.83E-02
DRINKING		1.97E-04	9.92E-04	9.03E-04	2.02E-03	7.73E-04	6.90E-04	6.96E-04
SHORELINE	3.96E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
SWIMMING	0.00E+00	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06
BOATING	0.00E+00	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06
TOTAL	3.96E-04	3.40E-01	5.92E-01	4.36E-01	2.07E-02	1.99E-01	6.63E-02	3.93E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	21.0	1.0	24.00
DRINKING	730.0	30.8	18.60
SHORELINE	12.0	1.0	0.00
SWIMMING	12.0	1.0	0.00
BOATING	12.0	1.0	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 63%	CS 137 50%	CS 137 44%	I 131 94%	CS 137 51%	CS 137 51%	CS 137 14%
		CS 134 35%	CS 134 49%	CS 134 54%	I 133 3%	CS 134 47%	CS 134 47%	NB 95 65%
					H 3 2%			CS 134 13%
								CO 58 1%
								ZN 65 1%
								H 3 1%
DRINKING		I 131 1%	CS 137 16%	CS 137 12%	I 131 65%	CS 137 7%	CS 137 2%	CO 58 1%
		BA 140 1%	CS 134 16%	CS 134 14%	I 133 2%	CS 134 6%	CS 134 2%	H 3 93%
		CS 137 61%	H 3 65%	H 3 72%	H 3 32%	H 3 84%	H 3 94%	
		CS 134 34%						
SHORELINE	CS 137 60%	CS 137 60%						
	CS 134 29%	CS 134 29%						
	CO 58 1%	CO 58 1%						
	CO 60 8%	CO 60 8%						
SWIM M		MO 99 1%						
		I 131 6%						
		I 133 2%						
		CS 137 17%						
		ZR 95 1%						
		CS 134 37%						
		CO 58 18%						
		CS 136 2%						
		CO 60 5%						
		SB 124 1%						

TABLE VI-C-3

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

TEENAGER DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		3.43E-01	5.91E-01	2.42E-01	1.61E-02	1.50E-01	7.51E-02	2.52E-02
DRINKING		1.82E-04	6.72E-04	4.90E-04	1.48E-03	5.40E-04	4.00E-04	3.85E-04
SHORELINE	2.21E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03
SWIMMING	0.00E+00	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05
BOATING	0.00E+00	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05
TOTAL	2.21E-03	3.45E-01	5.94E-01	2.44E-01	1.95E-02	1.53E-01	7.74E-02	2.75E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	16.0	1.0	24.00
DRINKING	510.0	30.8	18.60
SHORELINE	67.0	1.0	0.00
SWIMMING	67.0	1.0	0.00
BOATING	67.0	1.0	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 64%	CS 137 50%	CS 137 43%	I 131 94%	CS 137 51%	CS 137 52%	CS 137 15%
		CS 134 35%	CS 134 49%	CS 134 56%	I 133 3%	CS 134 47%	CS 134 46%	NB 95 63%
					H 3 1%			CS 134 13%
								CO 58 1%
								ZN 65 2%
								H 3 1%
DRINKING		I 131 1%	CS 137 22%	CS 137 11%	I 131 72%	CS 137 7%	CS 137 5%	CO 58 2%
		BA 140 1%	CS 134 22%	CS 134 14%	I 133 3%	CS 134 6%	CS 134 4%	H 3 93%
		CS 137 62%	H 3 53%	H 3 73%	H 3 24%	H 3 84%	H 3 90%	
		CS 134 34%						
SHORELINE	CS 137 60%	CS 137 60%						
	CS 134 29%	CS 134 29%						
	CO 58 1%	CO 58 1%						
	CO 60 8%	CO 60 8%						
SWIM M		MO 99 1%						
		I 131 6%						
		I 133 2%						
		CS 137 17%						
		ZR 95 1%						
		CS 134 37%						
		CO 58 18%						
		CS 136 2%						
		CO 60 5%						
		SB 124 1%						

TABLE VI-C-4

C H I L D D O S E S

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		4.23E-01	5.14E-01	9.29E-02	1.67E-02	6.49E-02	5.89E-02	9.44E-03
DRINKING		5.23E-04	1.32E-03	8.14E-04	3.39E-03	5.40E-04	7.62E-04	7.13E-04
SHORELINE	4.62E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04
SWIMMING	0.00E+00	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06
BOATING	0.00E+00	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06
TOTAL	4.62E-04	4.24E-01	5.16E-01	9.41E-02	2.05E-02	6.58E-02	6.01E-02	1.06E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	6.9	1.0	24.00
DRINKING	510.0	30.8	18.60
SHORELINE	14.0	1.0	0.00
SWIMMING	14.0	1.0	0.00
BOATING	14.0	1.0	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 65% CS 134 34%	CS 137 52% CS 134 47%	CS 137 43% CS 134 55%	I 131 94% I 133 4% H 3 1%	CS 137 51% CS 134 47%	CS 137 53% CS 134 45%	CS 137 17% NB 95 59% CS 134 13% CO 58 1% ZN 65 2% H 3 2%
DRINKING		I 131 1% BA 140 1% CS 137 63% CS 134 33%	CS 137 24% CS 134 22% H 3 52%	CS 137 5% CS 134 7% H 3 84%	I 131 75% I 133 3% H 3 20%	CS 137 7% CS 134 6% H 3 84%	CS 137 4% CS 134 4% H 3 90%	H 3 96%
SHORELINE	CS 137 60% CS 134 29% CO 58 1% CO 60 8%	CS 137 60% CS 134 29% CO 58 1% CO 60 8%						
SWIM M		MO 99 1% I 131 6% I 133 2% CS 137 17% ZR 95 1% CS 134 37% CO 58 18% CS 136 2% CO 60 5% SB 124 1%						

TABLE VI-C-5

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

INFANT DOSES

	DOSE (MREM PER .5YR INTAKE)							
PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
DRINKING		1.09E-03	2.49E-03	1.17E-03	7.56E-03	5.40E-04	1.21E-03	1.07E-03
SHORELINE	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL	0.00E+00	1.09E-03	2.49E-03	1.17E-03	7.56E-03	5.40E-04	1.21E-03	1.07E-03

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)	SHOREWIDTH FACTOR=0.2
FISH	0.0	1.0	24.00	
DRINKING	510.0	30.8	18.60	

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	I 131 1%	CS 137 31%	CS 137 3%	I 131 81%	CS 137 7%	CS 137 7%	H 3 98%	
	BA 140 1%	CS 134 25%	CS 134 4%	I 133 4%	CS 134 6%	CS 134 6%		
	CS 137 64%	H 3 41%	H 3 89%	H 3 13%	H 3 84%	H 3 86%		
	CS 134 32%							

TABLE VI-C-6

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

ADULT DOSES

	DOSE (MREM PER .5YR INTAKE)							
PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		3.40E-01	5.90E-01	4.34E-01	1.83E-02	1.97E-01	6.53E-02	3.83E-02
DRINKING		6.08E-03	3.06E-02	2.78E-02	6.37E-02	2.38E-02	2.12E-02	2.14E-02
SHORELINE	3.96E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
SWIMMING	0.00E+00	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06	4.31E-06
BOATING	0.00E+00	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06
TOTAL	3.96E-04	3.46E-01	6.21E-01	4.62E-01	8.23E-02	2.22E-01	8.69E-02	6.01E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	21.0	1.0	24.00
DRINKING	730.0	1.0	12.00
SHORELINE	12.0	1.0	0.00
SWIMMING	12.0	1.0	0.00
BOATING	12.0	1.0	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 63%	CS 137 50%	CS 137 44%	I 131 94%	CS 137 51%	CS 137 51%	CS 137 14%
		CS 134 35%	CS 134 49%	CS 134 54%	I 133 3%	CS 134 47%	CS 134 47%	NB 95 65%
					H 3 2%			CS 134 13%
								CO 58 1%
								ZN 65 1%
								H 3 1%
DRINKING		I 131 1%	CS 137 16%	CS 137 12%	I 131 65%	CS 137 7%	CS 137 2%	CO 58 1%
		BA 140 1%	CS 134 16%	CS 134 14%	I 133 3%	CS 134 6%	CS 134 2%	H 3 93%
		CS 137 61%	H 3 65%	H 3 72%	H 3 31%	H 3 84%	H 3 94%	
		CS 134 34%						
SHORELINE	CS 137 60%	CS 137 60%						
	CS 134 29%	CS 134 29%						
	CO 58 1%	CO 58 1%						
	CO 60 8%	CO 60 8%						
SWIM M		MO 99 1%						
		I 131 6%						
		I 133 2%						
		CS 137 17%						
		ZR 95 1%						
		CS 134 37%						
		CO 58 18%						
		CS 136 2%						
		CO 60 5%						
		SB 124 1%						

TABLE VI-C-7

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

T E E N A G E R D O S E S

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		3.43E-01	5.91E-01	2.42E-01	1.61E-02	1.50E-01	7.51E-02	2.52E-02
DRINKING		5.63E-03	2.07E-02	1.51E-02	4.67E-02	1.66E-02	1.23E-02	1.19E-02
SHORELINE	2.21E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03
SWIMMING	0.00E+00	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05	2.41E-05
BOATING	0.00E+00	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05	1.20E-05
TOTAL	2.21E-03	3.50E-01	6.14E-01	2.59E-01	6.48E-02	1.69E-01	8.93E-02	3.90E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	16.0	1.0	24.00
DRINKING	510.0	1.0	12.00
SHORELINE	67.0	1.0	0.00
SWIMMING	67.0	1.0	0.00
BOATING	67.0	1.0	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 64%	CS 137 50%	CS 137 43%	I 131 94%	CS 137 51%	CS 137 52%	CS 137 15%
		CS 134 35%	CS 134 49%	CS 134 56%	I 133 3%	CS 134 47%	CS 134 46%	NB 95 63%
					H 3 1%			CS 134 13%
								CO 58 1%
								ZN 65 2%
								H 3 1%
DRINKING		I 131 1%	CS 137 22%	CS 137 11%	I 131 72%	CS 137 7%	CS 137 5%	CO 58 2%
		BA 140 1%	CS 134 22%	CS 134 14%	I 133 3%	CS 134 6%	CS 134 4%	H 3 93%
		CS 137 62%	H 3 53%	H 3 73%	H 3 23%	H 3 84%	H 3 90%	
		CS 134 34%						
SHORELINE	CS 137 60%	CS 137 60%						
	CS 134 29%	CS 134 29%						
	CO 58 1%	CO 58 1%						
	CO 60 8%	CO 60 8%						
SWIM M		MO 99 1%						
		I 131 6%						
		I 133 2%						
		CS 137 17%						
		ZR 95 1%						
		CS 134 37%						
		CO 58 18%						
		CS 136 2%						
		CO 60 5%						
		SB 124 1%						

TABLE VI-C-8

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

C H I L D D O S E S

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		4.23E-01	5.14E-01	9.29E-02	1.67E-02	6.49E-02	5.89E-02	9.44E-03
DRINKING		1.61E-02	4.06E-02	2.51E-02	1.07E-01	1.66E-02	2.35E-02	2.20E-02
SHORELINE	4.62E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04	3.96E-04
SWIMMING	0.00E+00	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06	5.03E-06
BOATING	0.00E+00	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06
TOTAL	4.62E-04	4.40E-01	5.55E-01	1.18E-01	1.24E-01	8.19E-02	8.28E-02	3.18E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)	SHOREWIDTH FACTOR=0.2
FISH	6.9	1.0	24.00	
DRINKING	510.0	1.0	12.00	
SHORELINE	14.0	1.0	0.00	
SWIMMING	14.0	1.0	0.00	
BOATING	14.0	1.0	0.00	

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 65%	CS 137 52%	CS 137 43%	I 131 94%	CS 137 51%	CS 137 53%	CS 137 17%
		CS 134 34%	CS 134 47%	CS 134 55%	I 133 4%	CS 134 47%	CS 134 45%	NB 95 59%
					H 3 1%			CS 134 13%
								CO 58 1%
								ZN 65 2%
								H 3 2%
DRINKING		I 131 1%	CS 137 24%	CS 137 5%	I 131 75%	CS 137 7%	CS 137 4%	H 3 96%
		BA 140 1%	CS 134 22%	CS 134 7%	I 133 4%	CS 134 6%	CS 134 4%	
		CS 137 63%	H 3 52%	H 3 84%	H 3 19%	H 3 84%	H 3 90%	
		CS 134 33%						
SHORELINE	CS 137 60%	CS 137 60%						
	CS 134 29%	CS 134 29%						
	CO 58 1%	CO 58 1%						
	CO 60 8%	CO 60 8%						
SWIM M		MO 99 1%						
		I 131 6%						
		I 133 2%						
		CS 137 17%						
		ZR 95 1%						
		CS 134 37%						
		CO 58 18%						
		CS 136 2%						
		CO 60 5%						
		SB 124 1%						

TABLE VI-C-9

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

INFANT DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
DRINKING		3.35E-02	7.68E-02	3.59E-02	2.40E-01	1.66E-02	3.74E-02	3.29E-02
SHORELINE	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL	0.00E+00	3.35E-02	7.68E-02	3.59E-02	2.40E-01	1.66E-02	3.74E-02	3.29E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)	
FISH	0.0	1.0	24.00	SHOREWIDTH FACTOR=0.2
DRINKING	510.0	1.0	12.00	

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	I 131 1%	CS 137 31%	CS 137 3%	I 131 81%	CS 137 7%	CS 137 7%	H 3 97%	
	BA 140 1%	CS 134 25%	CS 134 4%	I 133 5%	CS 134 6%	CS 134 6%		
	CS 137 64%	H 3 41%	H 3 89%	Pb 3 13%	H 3 84%	H 3 86%		
	CS 134 32%							

TABLE VI-C-10

* * * FISH CONSUMPTION POPULATION DOSES * * *
MAN-REM

SPORTFISH HARVEST

			DOSE (MAN-REM)						
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	5.81E+04	1.26E-01	2.19E-01	1.61E-01	4.01E-03	7.32E-02	2.42E-02	1.32E-02
FISH	TEENAGER	9.29E+03	2.67E-02	4.60E-02	1.88E-02	7.35E-04	1.17E-02	5.85E-03	1.82E-03
FISH	CHILD	5.61E+03	4.63E-02	5.61E-02	1.01E-02	1.05E-03	7.07E-03	6.44E-03	9.59E-04
FISH	TOTAL	7.30E+04	1.99E-01	3.21E-01	1.90E-01	5.80E-03	9.20E-02	3.65E-02	1.59E-02

DILUTION	CATCH	TIME(HR)-INCLUDES FOOD PROCESSING TIME OF 1.68E+02 HR	POPULATION=1.28E+04
7.30E+00	7.30E+04	1.69E+02	

AVERAGE INDIVIDUAL CONSUMPTION (KG/YR) ADULT=6.90E+00 TEEN=5.20E+00 CHILD=2.20E+00

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	CS 137 63%	CS 137 50%	CS 137 44%	I 131 95%	CS 137 51%	CS 137 51%	CS 137 16%
	CS 134 35%	CS 134 49%	CS 134 54%	H 3 4%	CS 134 47%	CS 134 47%	NB 95 62%
							CS 134 14%
							CO 58 1%
							ZN 65 1%
							H 3 1%
TEENAGER	CS 137 64%	CS 137 50%	CS 137 43%	I 131 96%	CS 137 51%	CS 137 52%	CS 137 17%
	CS 134 35%	CS 134 49%	CS 134 55%	H 3 3%	CS 134 47%	CS 134 46%	NB 95 61%
							CS 134 14%
							CO 58 1%
							ZN 65 2%
							H 3 1%
CHILD	CS 137 65%	CS 137 52%	CS 137 43%	I 131 97%	CS 137 51%	CS 137 53%	CS 137 18%
	CS 134 34%	CS 134 47%	CS 134 55%	H 3 2%	CS 134 47%	CS 134 45%	NB 95 58%
							CS 134 14%
							CO 58 1%
							ZN 65 2%
							H 3 2%

TABLE VI-D-1

* * * FISH CONSUMPTION POPULATION DOSES * * *
MAN-REM

COMMERCIAL HARVEST

			DOSE (MAN-REM)						
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	3.81E+06	1.37E-02	2.38E-02	1.75E-02	3.41E-04	7.94E-03	2.63E-03	1.38E-03
FISH	TEENAGER	6.09E+05	2.90E-03	5.00E-03	2.04E-03	6.23E-05	1.27E-03	6.35E-04	1.90E-04
FISH	CHILD	3.68E+05	5.02E-03	6.09E-03	1.10E-03	8.92E-05	7.68E-04	6.99E-04	1.01E-04
FISH	TOTAL	4.78E+06	2.16E-02	3.49E-02	2.06E-02	4.93E-04	9.98E-03	3.97E-03	1.67E-03

DILUTION	CATCH	TIME(HR)-INCLUDES FOOD PROCESSING TIME OF 2.40E+02 HR	POPULATION=8.36E+05
7.30E+00	7.30E+04	2.41E+02	

AVERAGE INDIVIDUAL CONSUMPTION (KG/YR) ADULT=6.90E+00 TEEN=5.20E+00 CHILD=2.20E+00

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	CS 137 64%	CS 137 50%	CS 137 44%	I 131 93%	CS 137 51%	CS 137 51%	CS 137 16%
	CS 134 35%	CS 134 49%	CS 134 54%	H 3 6%	CS 134 47%	CS 134 47%	NB 95 61%
							CS 134 14%
							CO 58 1%
							ZN 65 2%
							H 3 1%
TEENAGER	CS 137 64%	CS 137 50%	CS 137 43%	I 131 95%	CS 137 51%	CS 137 52%	CS 137 17%
	CS 134 35%	CS 134 48%	CS 134 55%	H 3 4%	CS 134 47%	CS 134 46%	NB 95 60%
							CS 134 14%
							CO 58 1%
							ZN 65 2%
							H 3 1%
CHILD	CS 137 65%	CS 137 52%	CS 137 43%	I 131 96%	CS 137 51%	CS 137 53%	CS 137 19%
	CS 134 33%	CS 134 47%	CS 134 55%	H 3 3%	CS 134 47%	CS 134 45%	NB 95 55%
							CS 134 15%
							CO 58 1%
							ZN 65 2%
							H 3 3%

NEPA DOSES

NOTE--TOATL NEPA DOSE MUST INCLUDE SPORT CATCH, DOSES BELOW ARE FOR COMMERCIAL CATCH ONLY

			DOSE (MAN-REM)						
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	5.81E+04	1.26E-01	2.19E-01	1.61E-01	3.14E-03	7.31E-02	2.42E-02	1.27E-02
FISH	TEENAGER	9.29E+03	2.67E-02	4.59E-02	1.88E-02	5.73E-04	1.17E-02	5.84E-03	1.75E-03
FISH	CHILD	5.61E+03	4.62E-02	5.60E-02	1.01E-02	8.21E-04	7.06E-03	6.43E-03	9.25E-04
FISH	TOTAL	7.30E+04	1.99E-01	3.21E-01	1.90E-01	4.53E-03	9.18E-02	3.65E-02	1.53E-02

TABLE VI-D-2

DOSE (MAN-REM)

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	1.29E+06	3.49E-02	1.75E-01	1.60E-01	3.45E-01	1.37E-01	1.22E-01	1.23E-01
DRINKING	TEENAGER	1.93E+07	6.88E-03	2.54E-02	1.85E-02	5.36E-02	2.04E-02	1.51E-02	1.45E-02
DRINKING	CHILD	2.75E+07	2.82E-02	7.11E-02	4.39E-02	1.75E-01	2.91E-02	4.11E-02	3.84E-02
DRINKING	TOTAL	1.76E+08	6.99E-02	2.72E-01	2.22E-01	5.74E-01	1.86E-01	1.78E-01	1.76E-01

POPULATION=5.29E+05 DILUTION=3.08E+01 TRANSIT TIME=3.06E+01 HR (INCLUDING 24 HR FOR TREATMENT FACILITY)

AVERAGE INDIVIDUAL CONSUMPTION (L/YR) ADULT=3.70E+02 TEEN=2.60E+02 CHILD=2.60E+02

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	I 131 1%	CS 137 16%	CS 137 12%	I 131 64%	CS 137 7%	CS 137 2%	CO 58 1%
	BA 140 1%	CS 134 16%	CS 134 14%	I 133 1%	CS 134 6%	CS 134 2%	H 3 93%
	CS 137 62%	H 3 65%	H 3 72%	H 3 33%	H 3 84%	H 3 94%	
	CS 134 34%						
TEENAGER	I 131 1%	CS 137 22%	CS 137 11%	I 131 72%	CS 137 7%	CS 137 5%	CO 58 2%
	BA 140 1%	CS 134 22%	CS 134 14%	I 133 2%	CS 134 6%	CS 134 4%	H 3 93%
	CS 137 62%	H 3 53%	H 3 73%	H 3 25%	H 3 84%	H 3 90%	
	CS 134 34%						
CHILD	I 131 1%	CS 137 24%	CS 137 5%	I 131 75%	CS 137 7%	CS 137 4%	H 3 96%
	BA 140 1%	CS 134 22%	CS 134 7%	I 133 2%	CS 134 6%	CS 134 4%	
	CS 137 63%	H 3 52%	H 3 85%	H 3 21%	H 3 84%	H 3 90%	
	CS 134 33%						

DOSE (MAN-REM)

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	2.12E+07	5.64E-03	2.84E-02	2.58E-02	5.58E-02	2.21E-02	1.98E-02	1.99E-02
DRINKING	TEENAGER	3.17E+06	1.11E-03	4.10E-03	3.00E-03	8.67E-03	3.30E-03	2.44E-03	2.35E-03
DRINKING	CHILD	4.52E+06	4.56E-03	1.15E-02	7.10E-03	2.82E-02	4.71E-03	6.65E-03	6.22E-03
DRINKING	TOTAL	2.89E+07	1.13E-02	4.40E-02	3.59E-02	9.27E-02	3.01E-02	2.88E-02	2.85E-02

POPULATION=8.70E+04 DILUTION=3.13E+01 TRANSIT TIME=3.10E+01 HR (INCLUDING 24 HR FOR TREATMENT FACILITY)

AVERAGE INDIVIDUAL CONSUMPTION (L/YR) ADULT=3.70E+02 TEEN=2.60E+02 CHILD=2.60E+02

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	I 131 1%	CS 137 16%	CS 137 12%	I 131 64%	CS 137 7%	CS 137 2%	CO 58 1%
	BA 140 1%	CS 134 16%	CS 134 14%	I 133 1%	CS 134 6%	CS 134 2%	H 3 93%
	CS 137 62%	H 3 65%	H 3 72%	H 3 33%	H 3 84%	H 3 94%	
	CS 134 34%						

TABLE VI-D-3

TEENA

I	131	1%	CS	137	22%	CS	137	11%	I	131	72%	CS	137	7%	CS	137	5%	CO	58	2%
BA	140	1%	CS	134	22%	CS	134	14%	I	133	2%	CS	134	6%	CS	134	4%	H	3	93%
CS	137	62%	H	3	53%	H	3	73%	H	3	25%	H	3	84%	H	3	90%			
CS	134	34%																		

CHILD

I	131	1%	CS	137	24%	CS	137	5%	I	131	75%	CS	137	7%	CS	137	4%	H	3	96%
BA	140	1%	CS	134	22%	CS	134	7%	I	133	2%	CS	134	6%	CS	134	4%			
CS	137	63%	H	3	52%	H	3	85%	H	3	21%	H	3	84%	H	3	90%			
CS	134	33%																		

-----CUMULATIVE TOTAL-----

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	CUMUL TOTAL	2.05E+08	8.12E-02	3.16E-01	2.58E-01	6.66E-01	2.16E-01	2.07E-01	2.04E-01

HYDROSPHERE TRITIUM DOSE

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
WATER		2.20E+00	1.19E-08	1.19E-08	1.19E-08	1.19E-08	1.19E-08	1.19E-08	1.19E-08

TABLE VI-D-4

* * * RECREATION POPULATION DOSES * * *

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
SHORELINE	TOTAL POPUL	4.10E+07	1.85E-01	1.59E-01	1.59E-01

LOCATION- DOWN STREAM

DILUTION=0.73E+01 TRANSIT TIME=0.67E+00 HR SWF=0.2

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	SKIN		TOTAL BODY	
ADULT				
	CS 137	60%	CS 137	60%
	CS 134	29%	CS 134	29%
	CO 58	1%	CO 58	1%
	CO 60	8%	CO 60	8%

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
SWIMMING	TOTAL POPUL	4.10E+07	0.00E+00	2.02E-03	2.02E-03

LOCATION- DOWN STREAM

DILUTION=0.73E+01 TRANSIT TIME=0.67E+00 HR

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	SKIN		TOTAL BODY	
ADULT				
			MO 99	1%
			I 131	6%
			I 133	2%
			CS 137	18%
			ZR 95	1%
			CS 134	37%
			CO 58	18%
			CS 136	2%
			CO 60	5%
			SB 124	1%

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
BOATING	TOTAL POPUL	4.10E+07	0.00E+00	1.01E-03	1.01E-03

LOCATION- DOWN STREAM

DILUTION=0.73E+01 TRANSIT TIME=0.67E+00 HR

TABLE VI-D-5

• • DOSE TO BIOTA • • •

MRADS PER .5YR

ILUTION= 1.00E+00 TRANSIT TIME= 0.00E+00 HR

	INTERNAL	EXTERNAL	TOTAL
FISH	1.25E+00	1.24E+00	2.49E+00
INVERTEBRATE	2.83E-01	2.48E+00	2.76E+00
ALGAE	5.75E-01	3.15E-03	5.78E-01
MUSKRAT	6.88E+00	8.27E-01	7.71E+00
RACCOON	3.18E-01	6.19E-01	9.37E-01
HERON	4.05E+01	8.26E-01	4.13E+01
DUCK	5.98E+00	1.24E+00	7.22E+00

• • • ISOTOPE CONTRIBUTION • • •

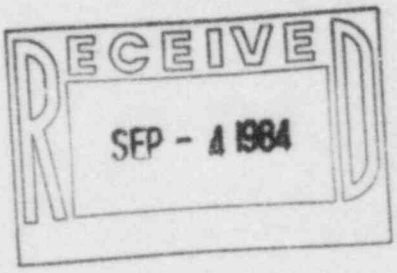
PATHWAY	BODY				
FISH	CS 137	51%	HERON	CS 137	50%
	NB 95	7%		CS 134	48%
	CS 134	36%			
	CS 136	1%			
	H 3	1%	DUCK	CS 137	53%
				CS 134	42%
				ZN 65	2%
INVERTEBRATE	CE 141	2%			
	BA 140	2%			
	CS 137	11%			
	CS 134	8%			
	CO 58	4%			
	MN 54	46%			
	FE 59	6%			
	ZN 65	4%			
	CO 60	1%			
	LA 140	3%			
	H 3	7%			
ALGAE	MO 99	10%			
	CE 141	5%			
	BA 140	2%			
	RU 1 3	1%			
	CS 137	28%			
	ZR 95	2%			
	CS 134	19%			
	CO 58	2%			
	MN 54	2%			
	ZN 65	4%			
	LA 140	8%			
	SB 124	2%			
	H 3	3%			
MUSKRAT	CS 137	51%			
	CS 134	44%			
	ZN 65	2%			
RACCOON	CS 137	41%			
	CS 134	39%			
	MN 54	7%			
	FE 59	1%			
	ZN 65	7%			
	H 3	1%			

TABLE VI-D-6

DMB

Omaha Public Power District
1623 Harney Omaha, Nebraska 68102
402/536-4000

August 30, 1984
LIC-84-289



Mr. Richard P. Denise, Director
Division of Resident, Reactor Project
and Engineering Programs
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Reference: Docket No. 50-285

Dear Mr. Denise:

Fort Calhoun Station Semi-Annual Effluent
Release and Environmental Monitoring Report

In accordance with 10 CFR 50.36a and the Fort Calhoun Station Technical Specifications, Section 5.9.4, please find enclosed one copy of a report that summarizes the Fort Calhoun Station effluent releases and environmental monitoring for the period January 1, 1984 to June 30, 1984, inclusive.

Sincerely,

R. L. Andrews
Division Manager
Nuclear Production

RLA:jmm

Enclosure

cc: Director of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555 (1)

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555 (1)

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1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036 (1)

Mr. Roger Cochrane
University of Iowa
University Hygienic Laboratory
Iowa City, Iowa 52242 (1)

IE25