INTRODUCTION

This report is submitted in accordance with Section 5.9.1.b and 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, 1985 through June 30, 1985 for the Semi-Annual Report for Technical Specification 5.9.4.

L. T. Kusek

for W. G. Gates
Manager
Fort Calhoun Station

IE35
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January 1, 1985 to June 30, 1985

I. Radioactive Effluent Releases

A. GASEOUS EFFLUENTS

Radioactive gaseous releases for the reporting period totalled 941 Curies of inert gases. The highest release rate was 2.31E+02 µCi/sec. or 0.27% 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 6.05E+01 µCi/sec. or 0.07% and 5.98E+01 µCi/sec. or 0.07% for each quarter respectively of the maximum release rate of the Technical Specifications (83,000 (Ci/sec.). This is 0.45% and 0.45% respectively 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 1.1E-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 2.51E-02 µCi/sec. or 2.5% 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 2.68E-04 µCi/sec. or 0.29% 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 5.05E-05 µCi/sec. or 2.5% 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 8.96E-05 µCi/sec. or 0.1% and 3.5E-05 µCi/sec. or 0.04% for each quarter respectively of the maximum release rate of the Technical Specifications (0.09 µCi/sec.). This is 1.2% and 0.46% respectively of the 8% value specified (0.0075 µCi/sec.). Averaged over each calendar quarter of the reporting period, the particulate release rates were 9.22E-06 µCi/sec. or 0.46% and 8.09E-06 µCi/sec. or 0.4% for each quarter respectively of the maximum release rate of the Technical Specifications (0.002 µCi/sec.). This is 5.8% and 5.1% respectively of the 8% value specified (1.6E-04 µCi/sec.).

Radioactive tritium released during the reporting period totalled 0.548 Curies. Gross alpha radioactivity released during the reporting period totalled 5.06E-07 Curies.

TABLE 1A

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 85

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	4.54E+02	1.71E+01	0.00E+00	4.71E+02	4.70E+02	9.80E-01	0.00E+00	4.70E+02
AVG RELEASE RATE FOR PERIOD	UCI/SEC	5.83E+01	2.20E+00	0.00E+00	6.05E+01	5.97E+01	1.25E-01	0.00E+00	5.98E+01
PERCENT OF LIMIT TECH SPEC = 13280	%	4.39E-01	1.66E-02	0.00E+00	4.56E-01	4.50E-01	9.39E-04	0.00E+00	4.51E-01
B. IODINES									
TOTAL RELEASE IODINE - 131	CI	0.00E+00	0.00E+00	6.97E-04	6.97E-04	0.00E+00	0.00E+00	2.76E-04	2.76E-04
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	8.96E-05	8.96E-05	0.00E+00	0.00E+00	3.50E-05	3.50E-05
PERCENT OF LIMIT TECH SPEC = .00752	%	0.00E+00	0.00E+00	1.19E+00	1.19E+00	0.00E+00	0.00E+00	4.66E-01	4.66E-01
C. PARTICULATES									
PARTICULATES WITH HALF LIVES .GT. 8 DAYS	CI	0.00E+00	0.00E+00	7.17E-05	7.17E-05	0.00E+00	0.00E+00	6.36E-05	6.36E-05
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	9.22E-06	9.22E-06	0.00E+00	0.00E+00	8.09E-06	8.09E-06
PERCENT OF LIMIT TECH SPEC = .00016	%	0.00E+00	0.00E+00	5.76E+00	5.76E+00	0.00E+00	0.00E+00	5.05E+00	5.05E+00
GROSS ALPHA RADIOACTIVITY	CI	0.00E+00	0.00E+00	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.88E-07	1.88E-07
D. TRITIUM									
TOTAL RELEASE	CI	1.99E-01	6.80E-03	0.00E+00	2.05E-01	3.36E-01	6.64E-03	0.00E+00	3.43E-01
AVG RELEASE RATE FOR PERIOD	UCI/SEC	2.55E-02	8.75E-04	0.00E+00	2.64E-02	4.28E-02	8.45E-04	0.00E+00	4.36E-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 85

	1 QUARTER				2 QUARTER			
NUCLIDES IN CURIES	CONT	DECAY	RM060	TOTAL	CONT	DECAY	RM060	TOTAL
FISSION GASES								
XENON-133	4.36E+02	1.52E+01	0.00E+00	4.51E+02	4.53E+02	1.02E-01	0.00E+00	4.53E+02
KRYPTON-85M	1.27E-01	≤2.35E-03	0.00E+00	1.29E-01	3.47E-02	≤3.56E-05	0.00E+00	3.47E-02
XENON-131M	6.29E+00	3.95E-01	0.00E+00	6.68E+00	6.60E+00	6.03E-02	0.00E+00	6.66E+00
KRYPTON-88	≤5.57E-02	≤5.39E-03	0.00E+00	≤6.11E-02	≤5.69E-02	≤7.10E-05	0.00E+00	≤5.69E-02
XENON-133M	4.07E+00	1.12E-01	0.00E+00	4.18E+00	3.34E+00	≤1.66E-04	0.00E+00	3.34E+00
XENON-135	3.90E+00	7.65E-03	0.00E+00	3.91E+00	2.81E+00	≤1.88E-05	0.00E+00	2.81E+00
KRYPTON-87	2.57E-02	≤3.30E-03	0.00E+00	2.90E-02	≤2.18E-02	≤3.52E-05	0.00E+00	≤2.19E-02
XENON-138	≤8.03E-02	≤1.53E-02	0.00E+00	≤9.56E-02	≤8.96E-02	≤1.45E-04	0.00E+00	≤8.97E-02
KRYPTON-85	2.73E+00	1.38E+00	0.00E+00	4.11E+00	2.95E+00	8.17E-01	0.00E+00	3.76E+00
XENON-135M	≤2.07E-02	≤4.10E-03	0.00E+00	≤2.48E-02	≤2.24E-02	≤2.72E-05	0.00E+00	≤2.24E-02
ARGON-41	5.67E-01	≤2.14E-03	0.00E+00	5.69E-01	6.08E-01	≤8.23E-06	0.00E+00	6.08E-01
TOTAL FOR PERIOD	4.54E+02	1.71E+01	0.00E+00	4.71E+02	4.70E+02	9.80E-01	0.00E+00	4.70E+02
IODINES								
IODINE-131 CTD.	0.00E+00	0.00E+00	6.97E-04	6.97E-04	0.00E+00	0.00E+00	2.76E-04	2.76E-04
IODINE-133 CTD.	0.00E+00	0.00E+00	7.49E-04	7.49E-04	0.00E+00	0.00E+00	7.97E-04	7.97E-04
IODINE-135 CTD.	0.00E+00	0.00E+00	≤2.41E-05	≤2.41E-05	0.00E+00	0.00E+00	≤3.63E-05	≤3.63E-05
TOTAL FOR PERIOD	0.00E+00	0.00E+00	1.47E-03	1.47E-03	0.00E+00	0.00E+00	1.11E-03	1.11E-03
PARTICULATES								
STRONTIUM-89	0.00E+00	0.00E+00	2.73E-08	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00*
STRONTIUM-90	0.00E+00	0.00E+00	2.14E-09	2.14E-09	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	≤2.26E-05	≤2.26E-05	0.00E+00	0.00E+00	≤2.87E-05	≤2.87E-05
CESIUM-137	0.00E+00	0.00E+00	2.57E-05	2.57E-05	0.00E+00	0.00E+00	1.39E-05	1.39E-05
CESIUM-134	0.00E+00	0.00E+00	1.72E-05	1.72E-05	0.00E+00	0.00E+00	1.17E-05	1.17E-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	≤6.16E-06	≤6.16E-06	0.00E+00	0.00E+00	≤9.41E-06	≤9.41E-06
TOTAL FOR PERIOD	0.00E+00	0.00E+00	7.17E-05	7.17E-05	0.00E+00	0.00E+00	6.36E-05	6.36E-05
ALPHA,TRITIUM & OTHER								
ALPHA	0.00E+00	0.00E+00	3.18E-07	3.18E-07	0.00E+00	0.00E+00	1.88E-07	1.88E-07
TRITIUM	1.99E-01	6.80E-03	0.00E+00	2.05E-01	3.36E-01	6.64E-03	0.00E+00	3.43E-01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	3.60E-06	3.60E-06	0.00E+00	0.00E+00	1.04E-06	1.04E-06

*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, 1985 to June 30, 1985

II. Radioactive Effluent Releases

B. LIQUID EFFLUENTS

During the six months a total of 8.34E-02 Curies of radioactive liquid materials less tritium and dissolved noble gases were released to the Missouri River at an average concentration of 2.52E-10 µCi/ml. This represents 0.25% of the limits specified in Appendix B to 10CFR20 (1.0E-07 µCi/ml) for unrestricted areas. The maximum concentration of total acitvity (excluding tritium) released to the unrestricted area and averaged during the release 2.14E-07 µCi/ml primarily due to the inclusion of dissolved noble gases.

Dilution water during the period amounted to 3.36E+11 liters, while radioactive liquid waste volume was 4.08E+07 liters including 137 batch releases and steam generator blowdown.

Additionally, 78.9 Curies of tritium were discharged at an average concentration of 2.37E-07 µCi/ml or 7.8E-03% of MPC (3.0E-03 µCi/ml).

Gross alpha radioactivity released during the reporting period totalled 1.23E-04 Curies and was discharged at an average concentration of 3.6E-13 µCi/ml or 1.2E-03% of MPC (3.0E-08 µCi/ml).

During the two calendar quarters in the reporting period, 5E-02 Curies and 3.3E-02 Curies of radioactive liquids were released. This represents 0.5% and 0.33% 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 85

		1 QUARTER	2 QUARTER
A. FISSION&ACTIVATION PRODUCTS			
TOTAL RELEASE (NO TRITIUM,GAS,ALPHA)	CI	5.00E-02	3.34E-02
AVG DILUTED CONCENTRATION	UCI/ML	3.17E-10	1.87E-10
PERCENT OF LIMIT TECH SPEC = 3.0E-8	%	1.06E+00	6.24E-01
B. TRITIUM			
TOTAL RELEASE	CI	4.21E+01	3.68E+01
AVG DILUTED CONCENTRATION	UCI/ML	2.67E-07	2.06E-07
PERCENT OF LIMIT TECH SPEC = 3.0E-3	%	8.90E-03	6.88E-03
C. DISSOLVED&ENTRAINED GASES			
TOTAL RELEASE	CI	2.48E-01	1.82E-01
AVG DILUTED CONCENTRATION	UCI/ML	1.57E-09	1.02E-09
PERCENT OF LIMIT	%		
D. GROSS ALPHA RADIOACTIVITY			
TOTAL RELEASE	CI	1.00E-04	2.25E-05
E. VOLUME OF WASTE RELEASE			
PRIOR TO DIL.	LITERS	2.09E+07	1.99E+07
F. VOLUME OF DILUTION WATER			
THIS PERIOD	LITERS	1.58E+11	1.78E+11

TABLE 2B

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 85

	1 QUARTER		2 QUARTER	
NUCLIDES IN CURIES	CONT	BATCH	CONT	BATCH
STRONTIUM-89	2.86E-04	≤1.47E-04	0.00E+00*	0.00E+00*
STRONTIUM-90	6.27E-05	≤3.77E-05	0.00E+00*	0.00E+00*
COBALT-57	≤8.50E-04	≤1.09E-04	≤6.66E-04	≤6.09E-05
MOLYBDENUM-99	≤4.78E-03	≤3.97E-04	≤4.14E-03	≤2.38E-04
TECHNETIUM-99M	≤5.27E-03	≤4.37E-04	≤4.55E-03	≤2.61E-04
CERIUM-141	≤1.33E-03	≤1.71E-04	1.04E-03	9.42E-05
TIN-117M	≤7.15E-04	≤9.48E-05	≤5.53E-04	≤5.53E-05
CHROMIUM-51	≤6.38E-03	≤7.52E-04	≤4.72E-03	≤4.29E-04
IODINE-131	≤8.14E-04	6.92E-04	≤5.85E-04	2.81E-04
IODINE-133	≤7.55E-04	≤9.46E-05	≤5.74E-04	≤5.40E-05
BARIUM-140	≤2.51E-03	≤3.20E-04	≤1.88E-03	≤1.80E-04
RUTHENIUM-103	≤7.14E-04	≤9.15E-05	≤5.35E-04	≤5.09E-05
CESIUM-137	3.00E-03	3.55E-03	≤7.93E-04	1.82E-03
ZIRCONIUM-95	≤1.12E-03	≤9.23E-05	≤9.19E-04	≤5.73E-05
NIOBIUM-95	≤6.89E-04	≤5.29E-05	≤5.38E-04	≤3.25E-05
CESIUM-134	2.12E-03	2.05E-03	≤7.09E-04	9.56E-04
COBALT-58	1.38E-03	3.57E-04	≤5.38E-04	1.49E-04
MANGANESE-54	≤7.11E-04	7.51E-05	≤5.40E-04	3.82E-05
CESIUM-136	≤8.24E-04	≤5.78E-05	≤6.76E-04	≤3.90E-05
IRON-59	≤1.19E-03	≤7.94E-05	≤1.04E-03	≤5.31E-05
ZINC-65	≤1.33E-03	≤8.86E-05	≤1.21E-03	≤6.11E-05
COBALT-60	1.76E-03	1.56E-04	≤6.65E-04	1.25E-04
LANTHANUM-140	≤5.33E-04	≤3.08E-05	≤5.44E-04	≤1.97E-05
ANTIMONY-124	≤9.09E-04	≤4.82E-05	≤9.05E-04	≤3.21E-05
TOTAL FOR PERIOD	4.00E-02	9.98E-03	2.83E-02	5.09E-03
DISSOLVED GASES				
ENTRAINED GASES				
XENON-133	≤5.31E-03	2.40E-01	≤2.43E-03	1.79E-01
XENON-135	≤7.43E-04	1.78E-03	≤6.01E-04	1.67E-04
TOTAL FOR PERIOD	6.05E-03	2.42E-01	3.03E-03	1.79E-01
OTHER, ALPHA & TRITIUM				
ALPHA	1.19E-05	8.84E-05	2.16E-05	8.53E-07
TRITIUM	9.40E-02	4.20E+01	1.68E-03	3.68E+01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	9.40E-02	4.20E+01	1.70E-03	3.68E+01
AVG. CONC. IN UCI/ML				
ALPHA	1.62E-13	1.16E-10	4.08E-13	8.36E-13
TRITIUM	7.52E-10	1.45E-05	3.76E-11	3.17E-05

*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, 1985 to June 30, 1985

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

January 1985 through June 1985

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	2	14.86	4.116	20%
	February	3	20.59	5.831	20%
	March	3	24.85	6.378	20%
	April	1	6.79	1.326	20%
	May	1	9.34	1.882	20%
	June	3	13.70	7.212	20%
Six Month Total (Type A)		13	90.13	26.745	
b. Dry compressable, contaminated equipment, etc.	January	2	8.94	.422	20%
	February	1	4.90	.135	20%
	March	2	5.96	.996	20%
	April	1	5.96	.169	20%
	May	1	3.41	.144	20%
	June	3	10.19	56.081	20%
Six Month Total (Type B)		10	39.36	57.947	
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
	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 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	Percent	Curies	
a.	Cs-137	55.3	15.833	All other nuclides constitute less than 1%.
	Cs-134	24.9	7.115	
	H-3	8.2	2.335	
	Co-60	6.2	1.772	
	Co-58	3.8	1.087	
	SB-125	1.4	.408	
b.	Cs-137	63.6	36.586	All other nuclides constitute less than 1%.
	Cs-134	26.3	14.901	
	Co-58	3.5	2.005	
	Co-60	3.5	1.969	
	Bi-207	2.0	1.125	
c.	N/A	N/A	N/A	
d.	N/A	N/A	N/A	

C. SOLID WASTE (DISPOSITION)

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

D. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

Number of Shipments	Transportation Mode	Destination
1	Closed Sole Use Vehicle NL1 1/2 Shipping Cask	Battelle Columbus Labs Columbus, Ohio

SECTION IV

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

(Regulatory Guide 1.21)

January 1, 1985 to June 30, 1985

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 data available.

TABLE 158 - A

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.3
NE	0.	0.	0.	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	3.	3.0
ENE	1.	0.	0.	0.	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	4.	2.4
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.	2.	1.	0.	0.	3.	0.	0.	0.	0.	0.	6.	3.8
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	0.	0.	3.	7.0
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.	1.	1.	0.	0.	2.	6.6
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.2
W	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.9
WNW	0.	0.	0.	0.	0.	2.	2.	1.	3.	0.	1.	0.	0.	0.	0.	9.	3.7
NW	0.	0.	0.	0.	0.	0.	0.	1.	2.	6.	2.	0.	3.	0.	0.	14.	5.3
NNW	0.	0.	0.	0.	0.	1.	5.	4.	2.	1.	1.	1.	0.	0.	0.	15.	3.8
N	0.	0.	0.	0.	0.	2.	5.	1.	0.	0.	0.	0.	0.	0.	0.	8.	3.1
TOTAL	1.	0.	0.	0.	3.	9.	17.	8.	7.	10.	4.	3.	6.	0.	0.	68.	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 3.2

TABLE 158 - B

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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.	1.	2.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.8
NE	0.	0.	0.	1.	0.	3.	4.	0.	0.	0.	0.	0.	0.	0.	0.	8.	2.8
ENE	0.	0.	1.	0.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.1
E	0.	0.	1.	2.	4.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	9.	2.3
ESE	0.	0.	3.	0.	3.	3.	3.	1.	1.	0.	1.	0.	0.	0.	0.	15.	2.7
SE	0.	1.	0.	0.	0.	4.	1.	0.	0.	0.	1.	0.	0.	0.	0.	7.	2.8
SSE	0.	0.	1.	0.	1.	0.	0.	1.	0.	1.	1.	1.	3.	1.	0.	10.	5.3
S	0.	0.	0.	2.	0.	2.	1.	1.	2.	1.	1.	2.	0.	0.	2.	14.	4.9
SSW	0.	0.	0.	0.	1.	0.	1.	0.	1.	1.	1.	3.	6.	0.	3.	17.	7.1
SW	0.	0.	0.	0.	2.	2.	2.	0.	0.	2.	2.	2.	1.	0.	0.	13.	4.3
WSW	0.	0.	1.	0.	0.	1.	0.	1.	1.	0.	0.	1.	0.	0.	0.	5.	3.7
W	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.9
WNW	0.	1.	0.	3.	1.	3.	5.	2.	2.	1.	1.	0.	0.	0.	0.	19.	3.0
NW	0.	1.	0.	1.	4.	2.	2.	9.	7.	11.	12.	6.	1.	4.	0.	60.	4.6
NNW	0.	0.	0.	3.	7.	7.	8.	12.	8.	5.	5.	5.	1.	0.	0.	61.	3.8
N	0.	0.	1.	3.	1.	4.	1.	3.	0.	1.	1.	1.	0.	0.	0.	16.	3.1
TOTAL	0.	4.	11.	17.	28.	34.	31.	31.	22.	23.	26.	21.	12.	5.	5.	270.	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 12.6

TABLE 158 - C

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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.	1.	1.	7.	4.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	1.8
NE	0.	0.	0.	1.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.3
ENE	0.	1.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.6
E	0.	0.	1.	0.	1.	2.	1.	0.	1.	1.	0.	0.	0.	0.	0.	7.	2.9
ESE	0.	0.	0.	3.	2.	1.	0.	0.	1.	0.	1.	0.	0.	0.	0.	8.	2.6
SE	0.	0.	0.	2.	1.	0.	0.	0.	2.	2.	1.	4.	5.	0.	0.	17.	5.3
SSE	0.	1.	0.	0.	1.	0.	3.	1.	3.	0.	2.	0.	0.	1.	5.	17.	5.6
S	0.	0.	1.	1.	4.	2.	3.	1.	5.	1.	1.	2.	0.	0.	0.	21.	3.6
SSW	0.	1.	1.	0.	3.	3.	1.	2.	2.	1.	3.	5.	5.	3.	0.	30.	5.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	1.	0.	5.	6.1
WSW	0.	0.	0.	1.	1.	1.	0.	0.	1.	0.	1.	0.	0.	0.	0.	5.	3.2
W	0.	0.	0.	1.	2.	1.	0.	1.	0.	0.	1.	4.	3.	1.	0.	14.	5.1
WNW	0.	2.	2.	1.	1.	3.	2.	0.	5.	0.	0.	2.	0.	0.	0.	18.	3.0
NW	5.	2.	4.	2.	2.	2.	3.	6.	7.	4.	9.	8.	1.	0.	0.	55.	3.7
NNW	3.	1.	1.	2.	5.	13.	14.	10.	15.	5.	13.	7.	0.	1.	0.	90.	3.8
N	1.	0.	1.	3.	1.	0.	4.	5.	2.	0.	2.	0.	0.	0.	0.	19.	3.1
TOTAL	9.	9.	13.	25.	32.	31.	31.	26.	44.	14.	38.	32.	14.	7.	5.	330.	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 15.4

TABLE 158 - D

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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.	3.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.	1.7
NE	1.	0.	3.	0.	4.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.6
ENE	0.	1.	2.	2.	5.	1.	0.	0.	0.	0.	0	0.	0.	0.	0.	11.	1.8
E	0.	2.	3.	4.	5.	2.	1.	3.	3.	1.	0.	0.	0.	0.	0.	24.	2.4
ESE	0.	1.	4.	5.	6.	3.	5.	2.	5.	2.	2.	4.	1.	1.	0.	41.	3.4
SE	0.	4.	5.	7.	4.	8.	6.	6.	3.	8.	10.	19.	1.	2.	0.	83.	4.1
SSE	0.	1.	3.	3.	6.	4.	5.	2.	5.	2.	9.	7.	14.	4.	3.	68.	5.1
S	2.	4.	6.	2.	1.	3.	6.	2.	8.	4.	5.	14.	6.	4.	6.	73.	4.9
SSW	0.	4.	6.	5.	5.	1.	3.	5.	5.	4.	12.	6.	2.	2.	4.	64.	4.2
SW	1.	0.	2.	3.	4.	0.	0.	2.	1.	0.	2.	1.	1.	0.	0.	17.	3.0
WSW	2.	3.	3.	2.	5.	3.	2.	0.	1.	0.	0.	2.	1.	1.	0.	25.	2.7
W	4.	7.	1.	1.	9.	5.	1.	1.	0.	0.	0.	0.	0.	0.	0.	29.	1.7
WNW	5.	9.	9.	3.	6.	8.	8.	6.	7.	5.	11.	10.	2.	4.	0.	93.	3.5
NW	0.	7.	14.	8.	24.	32.	23.	24.	27.	17.	18.	15.	10.	1.	0.	220.	3.6
NNW	0.	9.	13.	11.	14.	18.	18.	9.	9.	9.	3.	1.	2.	0.	0.	116.	2.8
N	1.	2.	5.	2.	5.	2.	4.	2.	1.	0.	0.	0.	0.	0.	0.	24.	2.2
TOTAL	16.	55.	82.	59.	104.	93.	82.	64.	75.	52.	72.	79.	40.	19.	13.	905.	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 42.1

TABLE 158 - E

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.4
NE	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.2
ENE	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.8
E	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.8
ESE	0.	5.	4.	7.	5.	4.	3.	0.	0.	1.	1.	0.	0.	0.	0.	30.	2.0
SE	0.	3.	17.	16.	16.	2.	2.	3.	0.	0.	0.	1.	0.	0.	0.	60.	1.9
SSE	0.	5.	3.	3.	3.	1.	1.	4.	0.	1.	1.	1.	0.	0.	0.	20.	2.5
S	7.	5.	1.	0.	1.	2.	3.	3.	2.	1.	1.	5.	2.	0.	0.	33.	3.0
SSW	2.	1.	6.	0.	1.	0.	4.	0.	4.	8.	7.	3.	2.	5.	0.	43.	4.4
SW	3.	2.	1.	0.	2.	0.	0.	0.	0.	1.	1.	3.	0.	0.	0.	13.	2.9
WSW	5.	3.	6.	1.	0.	1.	0.	0.	1.	1.	3.	0.	0.	0.	0.	21.	1.9
W	7.	10.	7.	5.	5.	0.	4.	2.	3.	0.	0.	0.	0.	0.	0.	43.	1.6
WNW	2.	34.	36.	20.	7.	3.	1.	1.	1.	0.	0.	0.	0.	0.	0.	105.	1.2
NW	1.	8.	15.	16.	6.	6.	4.	4.	0.	0.	0.	0.	0.	0.	0.	60.	1.8
NNW	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.5
N	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
TOTAL	31.	84.	98.	66.	47.	19.	22.	17.	11.	13.	14.	13.	4.	5.	0.	444.	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 20.6

TABLE 158 - F

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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.	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.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.6
E	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.5
ESE	2.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.9
SE	4.	5.	3.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	1.0
SSE	2.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.2
S	2.	1.	2.	1.	0.	0.	1.	0.	1.	0.	1.	0.	0.	0.	0.	9.	1.9
SSW	0.	0.	0.	0.	3.	1.	0.	1.	1.	5.	3.	2.	2.	0.	0.	18.	4.6
SW	2.	1.	1.	0.	0.	1.	0.	0.	0.	0.	1.	1.	2.	0.	0.	9.	3.4
WSW	0.	0.	0.	1.	0.	1.	0.	0.	1.	0.	2.	0.	0.	0.	0.	5.	3.8
W	5.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.5
WNW	2.	13.	2.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	20.	1.0
NW	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.9
NNW	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.3
N	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.2
TOTAL	22.	26.	12.	8.	5.	4.	2.	2.	3.	5.	7.	3.	4.	0.	0.	103.	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.8

TABLE 158 - G

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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
																0.	0.0
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.	2.	0.4
E	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.5
ESE	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.7
SE	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.4
SSE	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.2
S	4.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	1.9
SSW	1.	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.	2.	0.2
W	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.2
WNW	4.	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.	2.	0.3
NNW	1.	1.	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.	29.	0.5
TOTAL	18.	8.	2.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.		

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.3

TABLE 158 - ALL

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	1.	4.	6.	9.	7.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	33.	1.7
NE	1.	1.	3.	2.	7.	7.	6.	0.	0.	0.	0.	0.	0.	0.	0.	27.	2.2
ENE	1.	6.	4.	3.	10.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	29.	1.8
E	2.	7.	5.	7.	10.	4.	3.	4.	2.	0.	0.	0.	0.	0.	0.	48.	2.1
ESE	3.	10.	13.	16.	16.	11.	11.	3.	7.	3.	5.	4.	1.	1.	0.	104.	2.6
SE	6.	15.	27.	27.	23.	16.	10.	9.	5.	13.	12.	24.	6.	2.	0.	195.	3.1
SSE	4.	8.	8.	3.	11.	6.	9.	8.	8.	4.	13.	10.	19.	6.	8.	125.	4.5
S	15.	10.	10.	6.	6.	9.	14.	7.	18.	7.	9.	23.	8.	4.	8.	154.	4.0
SSW	3.	6.	13.	5.	13.	5.	9.	9.	13.	19.	26.	20.	18.	10.	7.	176.	4.7
SW	6.	3.	4.	3.	8.	3.	2.	2.	1.	3.	10.	7.	4.	1.	0.	57.	3.6
WSW	7.	6.	10.	5.	7.	7.	2.	1.	5.	1.	6.	3.	1.	1.	0.	62.	2.6
W	18.	17.	9.	9.	17.	7.	6.	4.	3.	0.	1.	4.	3.	1.	0.	99.	2.0
WNW	13.	59.	49.	28.	15.	19.	19.	11.	18.	6.	13.	12.	2.	4.	0.	268.	2.3
NW	7.	18.	34.	28.	36.	42.	32.	44.	43.	38.	41.	29.	15.	5.	0.	412.	3.5
NNW	7.	13.	15.	16.	26.	39.	45.	35.	34.	20.	22.	14.	3.	1.	0.	290.	3.3
N	3.	3.	8.	8.	7.	8.	14.	11.	3.	1.	3.	1.	0.	0.	0.	70.	2.7
TOTAL	97.	186.	218.	175.	219.	190.	185.	149.	162.	117.	161.	151.	80.	36.	23.	2149.	3.2

NUMBER OF INVALID OBSERVATIONS= 11.

PERCENT OF VALID OBSERVATIONS= 99.5

TABLE 12d - A

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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.	2.	3.	3.	5.	2.	0.	0.	0.	0.	0.	0.	0.	0.	15.	2.3
NE	0.	0.	0.	1.	5.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	8.	2.3
ENE	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	1.	1.	0.	0.	3.	5.4
E	0.	0.	0.	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	4.	3.1
ESE	0.	0.	0.	1.	3.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.2
SE	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	2.	1.	0.	0.	0.	5.	4.5
SSE	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	3.	3.	2.	1.	8.	18.	7.9
S	0.	0.	0.	0.	0.	3.	0.	0.	0.	1.	1.	2.	4.	1.	2.	14.	6.3
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	6.	2.	1.	2.	0.	13.	6.1
SW	0.	0.	1.	0.	0.	0.	1.	0.	1.	0.	2.	0.	0.	0.	0.	5.	3.7
WSW	0.	0.	0.	0.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	2.	3.4
W	0.	0.	0.	1.	2.	1.	1.	3.	1.	0.	0.	0.	0.	0.	0.	9.	3.0
WNW	0.	0.	1.	0.	0.	1.	2.	1.	6.	5.	1.	0.	0.	0.	0.	17.	3.9
NW	0.	0.	0.	3.	4.	4.	1.	0.	7.	6.	3.	0.	0.	0.	0.	28.	3.6
NNW	0.	1.	1.	4.	6.	6.	8.	4.	1.	1.	2.	0.	0.	0.	0.	34.	2.8
N	0.	0.	0.	8.	4.	4.	5.	0.	0.	0.	0.	0.	0.	0.	0.	21.	2.3
TOTAL	0.	1.	5.	21.	28.	30.	24.	9.	17.	15.	20.	9.	8.	4.	10.	201.	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.2

TABLE 158 - B

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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.	4.	2.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.7
NE	0.	0.	0.	1.	2.	3.	0.	0.	0.	0.	1.	0.	0.	0.	0.	7.	2.7
ENE	0.	0.	1.	1.	2.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	7.	2.6
E	0.	0.	1.	2.	3.	1.	1.	0.	0.	1.	0.	0.	0.	0.	0.	9.	2.4
ESE	0.	1.	2.	2.	10.	6.	7.	3.	4.	0.	1.	0.	0.	0.	0.	36.	2.7
SE	0.	0.	0.	0.	0.	2.	0.	1.	6.	0.	2.	0.	0.	0.	0.	11.	4.2
SSE	0.	0.	0.	0.	1.	1.	3.	1.	3.	5.	6.	8.	4.	2.	4.	38.	5.8
S	0.	0.	1.	2.	1.	4.	2.	0.	3.	2.	6.	10.	9.	3.	11.	54.	6.3
SSW	0.	0.	0.	4.	0.	0.	2.	4.	1.	5.	2.	1.	1.	1.	1.	22.	4.4
SW	0.	0.	0.	3.	2.	1.	0.	1.	0.	2.	5.	1.	1.	0.	0.	16.	4.1
WSW	0.	0.	2.	0.	0.	3.	2.	0.	1.	1.	1.	1.	0.	0.	0.	11.	3.4
W	0.	0.	3.	0.	0.	0.	1.	0.	3.	1.	0.	0.	0.	0.	0.	8.	3.0
WNW	0.	1.	2.	2.	1.	1.	3.	1.	0.	2.	2.	0.	0.	0.	0.	15.	2.9
NW	0.	1.	3.	1.	4.	1.	3.	2.	2.	2.	2.	0.	0.	0.	0.	21.	3.0
NNW	0.	0.	2.	4.	5.	2.	6.	0.	2.	3.	6.	0.	0.	0.	0.	30.	3.3
N	0.	0.	0.	4.	10.	4.	2.	2.	1.	0.	0.	0.	0.	0.	0.	23.	2.5
TOTAL	0.	3.	21.	28.	44.	31.	32.	15.	27.	25.	34.	21.	15.	6.	16.	318.	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 14.6

TABLE 158 - C

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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.	1.	1.	0.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	5.	2.5
NE	0.	0.	0.	1.	1.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	4.	2.9
ENE	0.	3.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.1
E	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	1.	1.	0.	0.	0.	4.	4.2
ESE	0.	1.	1.	1.	4.	1.	2.	3.	0.	1.	0.	0.	0.	0.	0.	14.	2.6
SE	0.	0.	0.	0.	0.	1.	1.	0.	2.	2.	2.	0.	0.	0.	0.	8.	4.3
SSE	0.	0.	1.	1.	0.	1.	1.	2.	3.	2.	3.	5.	2.	3.	3.	27.	5.8
S	0.	0.	1.	0.	0.	0.	1.	2.	2.	0.	3.	8.	0.	0.	3.	20.	5.8
SSW	0.	0.	0.	0.	1.	1.	2.	0.	2.	0.	3.	3.	1.	1.	0.	14.	4.9
SW	0.	1.	1.	1.	2.	0.	0.	0.	1.	0.	2.	0.	2.	1.	0.	11.	4.2
WSW	0.	0.	2.	0.	0.	1.	1.	1.	0.	0.	2.	1.	0.	0.	0.	6.	3.6
W	0.	0.	0.	1.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	3.	2.9
WNW	0.	1.	1.	0.	1.	4.	1.	6.	2.	2.	0.	0.	0.	0.	0.	18.	3.2
NW	0.	0.	2.	0.	1.	4.	1.	1.	0.	1.	1.	0.	0.	0.	0.	11.	2.8
NNW	0.	1.	4.	3.	1.	2.	6.	1.	6.	3.	2.	0.	0.	0.	0.	29.	3.1
N	0.	1.	1.	0.	0.	3.	0.	0.	2.	1.	0.	0.	0.	0.	0.	8.	2.9
TOTAL	0.	8.	15.	10.	12.	20.	18.	18.	21.	13.	19.	18.	5.	5.	6.	188.	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 8.6

TABLE 158 - D

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	1.	6.	7.	9.	12.	9.	4.	3.	1.	0.	0.	0.	0.	0.	0.	52.	2.0
NE	0.	1.	3.	6.	4.	5.	2.	0.	0.	0.	0.	0.	0.	0.	0.	21.	2.0
ENE	0.	3.	4.	6.	1.	1.	2.	2.	0.	0.	0.	0.	0.	0.	0.	19.	1.9
E	1.	0.	2.	7.	5.	6.	4.	5.	1.	1.	1.	1.	0.	0.	0.	34.	2.7
ESE	0.	1.	4.	6.	10.	3.	0.	3.	2.	2.	1.	0.	1.	0.	0.	33.	2.6
SE	1.	0.	4.	3.	4.	5.	6.	7.	7.	4.	6.	3.	2.	0.	0.	52.	3.7
SSE	0.	1.	4.	1.	3.	5.	8.	10.	14.	23.	22.	11.	9.	8.	8.	127.	5.2
S	0.	1.	4.	0.	1.	4.	4.	4.	18.	15.	22.	23.	17.	9.	1.	123.	5.4
SSW	0.	1.	0.	5.	3.	4.	3.	1.	2.	5.	4.	10.	8.	3.	1.	50.	5.0
SW	1.	0.	0.	3.	0.	1.	3.	2.	2.	2.	2.	1.	1.	0.	0.	18.	3.7
WSW	1.	1.	1.	2.	1.	0.	1.	3.	0.	0.	5.	1.	0.	0.	0.	16.	3.4
W	0.	1.	3.	4.	11.	5.	4.	4.	4.	2.	0.	0.	0.	0.	0.	38.	2.7
WNW	1.	3.	4.	5.	7.	14.	7.	11.	2.	2.	1.	1.	0.	0.	0.	58.	2.7
NW	0.	2.	7.	6.	11.	10.	9.	6.	5.	4.	5.	2.	0.	0.	0.	67.	3.0
NNW	0.	3.	10.	6.	10.	9.	17.	14.	1.	5.	3.	0.	0.	0.	0.	78.	2.8
N	0.	5.	9.	5.	14.	14.	7.	2.	3.	0.	0.	0.	0.	0.	0.	59.	2.2
TOTAL	6.	29.	66.	74.	97.	95.	81.	77.	62.	65.	72.	53.	38.	20.	10.	845.	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 38.8

TABLE 158 - E

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.9
NE	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.5
ENE	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.2
E	1.	3.	1.	0.	3.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.5
ESE	2.	0.	13.	5.	1.	0.	1.	0.	0.	0.	1.	0.	0.	0.	0.	23.	1.5
SE	1.	6.	13.	6.	6.	2.	3.	1.	0.	0.	0.	0.	0.	0.	0.	38.	1.6
SSE	5.	4.	2.	2.	4.	5.	4.	2.	3.	2.	2.	0.	0.	0.	0.	35.	2.4
S	2.	3.	1.	1.	3.	8.	2.	4.	4.	6.	3.	3.	0.	0.	1.	41.	3.5
SSW	0.	3.	0.	0.	4.	4.	2.	2.	1.	1.	3.	3.	1.	0.	0.	24.	3.6
SW	3.	2.	3.	0.	2.	0.	1.	2.	0.	0.	1.	0.	0.	0.	0.	14.	1.8
WSW	6.	2.	1.	0.	1.	0.	4.	1.	0.	2.	6.	0.	0.	0.	1.	24.	2.9
W	3.	18.	8.	6.	3.	3.	8.	1.	1.	0.	1.	0.	0.	0.	0.	52.	1.6
WNW	1.	11.	17.	8.	4.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	47.	1.4
NW	0.	5.	11.	9.	1.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	30.	1.4
NNW	0.	5.	4.	6.	4.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	1.4
N	0.	2.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.3
TOTAL	24.	66.	81.	48.	37.	31.	28.	13.	9.	11.	17.	6.	1.	0.	2.	374.	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 17.3

TABLE 158 - F

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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.	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	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.2
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	4.	1.	4.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.3
SE	5.	8.	7.	4.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	28.	1.1
SSE	3.	3.	7.	0.	1.	4.	1.	1.	1.	0.	0.	0.	0.	0.	0.	21.	1.6
S	2.	2.	2.	2.	0.	1.	3.	1.	3.	0.	4.	4.	0.	0.	0.	24.	3.5
SSW	2.	3.	1.	1.	0.	1.	2.	0.	2.	2.	0.	1.	1.	1.	0.	17.	3.1
SW	9.	2.	0.	2.	0.	0.	2.	3.	1.	0.	0.	0.	0.	0.	0.	19.	1.5
WSW	5.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.4
W	7.	16.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	28.	0.6
WNW	9.	16.	6.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	32.	0.6
NW	1.	10.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	0.8
NNW	1.	3.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.	1.0
N	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.4
TOTAL	46.	73.	35.	15.	4.	9.	8.	5.	7.	2.	4.	5.	1.	1.	0.	215.	1.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.9

TABLE 158 - G

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.4
E	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.6
ESE	0.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.0
SE	1.	2.	5.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	1.1
SSE	1.	2.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.2
S	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.4
SSW	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.6
SW	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.2
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.2
WNW	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.3
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	9.	13.	7.	4.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	35.	0.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.6

TABLE 158 - ALL

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	1.	8.	16.	15.	18.	16.	7.	3.	2.	0.	0.	0.	0.	0.	0.	86.	2.0
NE	0.	1.	3.	12.	12.	9.	4.	0.	0.	1.	1.	0.	0.	0.	0.	43.	2.2
ENE	2.	6.	8.	7.	4.	3.	2.	2.	1.	1.	0.	1.	1.	0.	0.	38.	2.1
E	2.	4.	4.	10.	11.	9.	8.	6.	1.	2.	2.	2.	0.	0.	0.	61.	2.6
ESE	2.	9.	23.	20.	29.	10.	11.	9.	6.	3.	3.	0.	1.	0.	0.	126.	2.3
SE	8.	16.	29.	16.	12.	14.	10.	9.	15.	6.	12.	4.	2.	0.	0.	153.	2.6
SSE	9.	10.	14.	4.	11.	17.	17.	16.	24.	32.	36.	27.	17.	14.	23.	271.	4.8
S	6.	8.	9.	5.	5.	20.	12.	11.	30.	24.	39.	50.	30.	13.	18.	280.	5.1
SSW	2.	9.	1.	10.	8.	10.	11.	7.	8.	15.	18.	20.	13.	8.	2.	142.	4.5
SW	14.	5.	5.	9.	6.	2.	7.	8.	5.	4.	12.	2.	4.	1.	0.	84.	3.0
WSW	12.	8.	6.	2.	2.	5.	8.	5.	2.	3.	14.	3.	0.	0.	1.	71.	2.8
W	11.	36.	19.	12.	16.	9.	14.	10.	9.	3.	1.	0.	0.	0.	0.	140.	1.9
WNW	13.	33.	31.	16.	13.	25.	14.	19.	10.	11.	4.	1.	0.	0.	0.	190.	2.2
NW	1.	18.	27.	19.	21.	22.	15.	9.	14.	13.	11.	2.	0.	0.	0.	172.	2.6
NNW	1.	13.	23.	24.	27.	20.	37.	19.	10.	12.	13.	0.	0.	0.	0.	199.	2.7
N	1.	9.	12.	19.	29.	25.	14.	4.	6.	1.	0.	0.	1.	0.	1.	122.	2.3
TOTAL	85.	193.	230.	200.	224.	216.	191.	137.	143.	131.	166.	112.	69.	36.	45.	2178.	3.2

NUMBER OF INVALID OBSERVATIONS= 6.

PERCENT OF VALID OBSERVATIONS= 99.7

TABLE 159 - A

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.3
NE	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	3.0
ENE	0.05	0.00	0.00	0.00	0.05	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.4
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	0.09	0.05	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.28	3.8
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.14	7.0
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	0.05	0.04	0.00	0.00	0.09	6.6
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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.2
W	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	0.00	0.05	2.9
WNW	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.05	0.14	0.00	0.05	0.00	0.00	0.00	0.00	0.42	3.7
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.28	0.09	0.00	0.14	0.00	0.00	0.65	5.3
NNW	0.00	0.00	0.00	0.00	0.00	0.05	0.23	0.18	0.09	0.05	0.05	0.05	0.00	0.00	0.00	0.70	3.8
N	0.00	0.00	0.00	0.00	0.00	0.09	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	3.1
TOTAL	0.05	0.00	0.00	0.00	0.15	0.41	0.78	0.37	0.32	0.47	0.19	0.15	0.27	0.00	0.00	3.16	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 3.2

TABLE 159 - B

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.09	0.05	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	1.8
NE	0.00	0.00	0.00	0.05	0.00	0.14	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.8
ENE	0.00	0.00	0.05	0.00	0.09	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.1
E	0.00	0.00	0.05	0.09	0.18	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	2.3
ESE	0.00	0.00	0.14	0.00	0.14	0.14	0.14	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.70	2.7
SE	0.00	0.05	0.00	0.00	0.00	0.18	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.33	2.8
SSE	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.05	0.00	0.05	0.05	0.04	0.14	0.04	0.00	0.47	5.3
S	0.00	0.00	0.00	0.09	0.00	0.09	0.05	0.05	0.09	0.05	0.05	0.09	0.00	0.00	0.09	0.65	4.9
SSW	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.05	0.04	0.04	0.14	0.28	0.00	0.14	0.79	7.1
SW	0.00	0.00	0.00	0.00	0.10	0.09	0.09	0.00	0.00	0.09	0.09	0.09	0.05	0.00	0.00	0.60	4.3
WSW	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.05	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.23	3.7
W	0.00	0.00	0.05	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	1.9
WNW	0.00	0.05	0.00	0.14	0.05	0.14	0.23	0.09	0.09	0.05	0.04	0.00	0.00	0.00	0.00	0.88	3.0
NW	0.00	0.05	0.00	0.05	0.19	0.09	0.09	0.42	0.32	0.51	0.56	0.28	0.05	0.18	0.00	2.79	4.6
NNW	0.00	0.00	0.00	0.14	0.33	0.33	0.37	0.56	0.37	0.23	0.23	0.23	0.05	0.00	0.00	2.84	3.8
N	0.00	0.00	0.05	0.14	0.05	0.18	0.05	0.14	0.00	0.05	0.04	0.04	0.00	0.00	0.00	0.74	3.1
TOTAL	0.00	0.20	0.53	0.80	1.33	1.57	1.43	1.46	1.01	1.07	1.19	0.95	0.57	0.22	0.23	12.56	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 12.6

TABLE 159 - C

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.05	0.32	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.8
NE	0.00	0.00	0.00	0.05	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.3
ENE	0.00	0.05	0.05	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.6
E	0.00	0.00	0.05	0.00	0.05	0.09	0.05	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.33	2.9
ESE	0.00	0.00	0.00	0.14	0.09	0.05	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.37	2.6
SE	0.00	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.09	0.09	0.05	0.19	0.23	0.00	0.00	0.79	5.3
SSE	0.00	0.05	0.00	0.00	0.05	0.00	0.14	0.05	0.14	0.00	0.09	0.00	0.00	0.04	0.23	0.79	5.6
S	0.00	0.00	0.05	0.05	0.18	0.09	0.14	0.05	0.23	0.05	0.05	0.09	0.00	0.00	0.00	0.98	5.6
SSW	0.00	0.05	0.05	0.00	0.14	0.14	0.05	0.09	0.09	0.05	0.14	0.23	0.23	0.14	0.00	1.40	5.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.05	0.00	0.23	6.1
WSW	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.23	3.2
W	0.00	0.00	0.00	0.05	0.09	0.05	0.00	0.05	0.00	0.00	0.05	0.18	0.14	0.04	0.00	0.65	5.1
WNW	0.00	0.10	0.09	0.05	0.05	0.14	0.09	0.00	0.23	0.00	0.00	0.09	0.00	0.00	0.00	0.84	3.0
NW	0.23	0.09	0.19	0.09	0.09	0.09	0.14	0.28	0.33	0.19	0.42	0.37	0.05	0.00	0.00	2.56	3.7
NNW	0.14	0.05	0.05	0.09	0.23	0.60	0.65	0.47	0.70	0.23	0.60	0.33	0.00	0.05	0.00	4.19	3.8
N	0.05	0.00	0.05	0.14	0.05	0.00	0.18	0.23	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.88	3.1
TOTAL	0.42	0.44	0.63	1.16	1.48	1.44	1.44	1.22	2.04	0.65	1.75	1.48	0.65	0.32	0.23	15.35	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 15.4

TABLE 159 - D

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.14	0.05	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.7
NE	0.05	0.00	0.14	0.00	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.6
ENE	0.00	0.05	0.09	0.09	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.8
E	0.00	0.09	0.14	0.19	0.23	0.09	0.05	0.14	0.14	0.05	0.00	0.00	0.00	0.00	0.00	1.12	2.4
ESE	0.00	0.05	0.19	0.23	0.28	0.14	0.23	0.09	0.23	0.09	0.09	0.19	0.05	0.05	0.00	1.91	3.4
SE	0.00	0.19	0.23	0.33	0.19	0.37	0.28	0.28	0.14	0.37	0.46	0.88	0.05	0.09	0.00	3.86	4.1
SSE	0.00	0.05	0.14	0.14	0.28	0.19	0.23	0.09	0.23	0.09	0.42	0.32	0.65	0.19	0.14	3.16	5.1
S	0.09	0.19	0.28	0.09	0.05	0.14	0.28	0.09	0.37	0.19	0.23	0.65	0.28	0.19	0.28	3.40	4.9
SSW	0.00	0.19	0.28	0.23	0.23	0.05	0.14	0.23	0.23	0.19	0.56	0.28	0.09	0.09	0.19	2.98	4.2
SW	0.05	0.00	0.09	0.14	0.18	0.00	0.00	0.09	0.05	0.00	0.09	0.05	0.05	0.00	0.00	0.79	3.0
WSW	0.09	0.14	0.14	0.09	0.23	0.14	0.09	0.00	0.05	0.00	0.00	0.09	0.05	0.05	0.00	1.16	2.7
W	0.18	0.32	0.05	0.05	0.42	0.23	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.7
WNW	0.23	0.42	0.42	0.14	0.28	0.37	0.37	0.28	0.33	0.23	0.51	0.47	0.09	0.19	0.00	4.33	3.5
NW	0.00	0.32	0.65	0.37	1.12	1.49	1.07	1.12	1.26	0.79	0.84	0.70	0.46	0.05	0.00	10.24	3.6
NNW	0.00	0.42	0.60	0.51	0.65	0.84	0.84	0.42	0.42	0.42	0.14	0.05	0.09	0.00	0.00	5.40	2.8
N	0.05	0.09	0.23	0.09	0.23	0.09	0.19	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.11	2.2
TOTAL	0.74	2.57	3.81	2.74	4.82	4.33	3.82	2.97	3.50	2.42	3.34	3.68	1.86	0.90	0.61	42.11	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 42.1

TABLE 159 - E

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.4
NE	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	0.00	0.09	1.2
ENE	0.00	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	0.00	0.14	0.8
E	0.05	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	0.14	0.8
ESE	0.00	0.23	0.19	0.32	0.23	0.19	0.14	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	1.40	2.0
SE	0.00	0.14	0.79	0.75	0.74	0.09	0.09	0.14	0.00	0.00	0.00	0.05	0.00	0.00	0.00	2.79	1.9
SSE	0.00	0.23	0.14	0.00	0.14	0.05	0.05	0.18	0.00	0.05	0.05	0.04	0.00	0.00	0.00	0.93	2.5
S	0.33	0.23	0.05	0.00	0.05	0.09	0.14	0.14	0.09	0.05	0.05	0.23	0.09	0.00	0.00	1.54	3.0
SSW	0.09	0.05	0.28	0.00	0.05	0.00	0.19	0.00	0.19	0.37	0.32	0.14	0.09	0.23	0.00	2.00	4.4
SW	0.14	0.09	0.05	0.00	0.09	0.00	0.00	0.00	0.00	0.05	0.04	0.14	0.00	0.00	0.00	0.60	2.9
WSW	0.23	0.14	0.28	0.05	0.00	0.05	0.00	0.00	0.05	0.04	0.14	0.00	0.00	0.00	0.00	0.98	1.9
W	0.33	0.46	0.33	0.23	0.23	0.00	0.19	0.09	0.14	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.6
WNW	0.09	1.58	1.67	0.93	0.33	0.14	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	4.89	1.2
NW	0.05	0.37	0.70	0.74	0.28	0.28	0.19	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	1.8
NNW	0.09	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	0.19	0.5
N	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.7
TOTAL	1.45	3.90	4.57	3.06	2.18	0.89	1.04	0.78	0.52	0.61	0.65	0.60	0.18	0.23	0.00	20.66	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 20.6

TABLE 159 - F

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.00	0.00	0.00	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	0.05	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
E	0.00	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	0.00	0.14	0.5
ESE	0.09	0.05	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.9
SE	0.19	0.23	0.14	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.0
SSE	0.09	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	0.18	1.2
S	0.09	0.05	0.09	0.05	0.00	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.42	1.9
SSW	0.00	0.00	0.00	0.00	0.14	0.05	0.00	0.05	0.05	0.23	0.14	0.09	0.09	0.00	0.00	0.84	4.6
SW	0.09	0.05	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.04	0.09	0.00	0.00	0.42	3.4
WSW	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.23	3.8
W	0.23	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	0.28	0.5
WNW	0.09	0.60	0.09	0.05	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	1.0
NW	0.05	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.9
NNW	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.3
N	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	0.00	0.05	0.2
TOTAL	1.02	1.21	0.56	0.38	0.23	0.19	0.10	0.10	0.14	0.23	0.32	0.13	0.18	0.00	0.00	4.79	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.8

TABLE 159 - G

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.4
ESE	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	0.00	0.19	0.5
SE	0.10	0.09	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	0.28	0.7
SSE	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	0.00	0.14	0.4
S	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.2
SSW	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.9
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	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.2
WNW	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.2
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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.3
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	0.86	0.36	0.09	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.3

TABLE 159 - ALL

DATA PERIOD 01/01/1985 THROUGH 03/31/1985 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	0.05	0.19	0.28	0.42	0.32	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	1.7
NE	0.05	0.05	0.14	0.09	0.33	0.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	2.2
ENE	0.05	0.28	0.19	0.14	0.46	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.8
E	0.09	0.33	0.23	0.32	0.46	0.19	0.14	0.19	0.19	0.09	0.00	0.00	0.00	0.00	0.00	2.23	2.1
ESE	0.14	0.47	0.60	0.74	0.74	0.51	0.51	0.14	0.33	0.14	0.23	0.19	0.05	0.05	0.00	4.84	2.6
SE	0.28	0.70	1.26	1.26	0.93	0.74	0.46	0.42	0.23	0.60	0.56	1.12	0.28	0.09	0.00	9.07	3.1
SSE	0.19	0.37	0.37	0.14	0.51	0.28	0.42	0.37	0.37	0.19	0.61	0.47	0.88	0.28	0.37	5.82	4.5
S	0.70	0.46	0.46	0.28	0.28	0.42	0.65	0.33	0.84	0.33	0.42	1.07	0.37	0.19	0.37	7.17	4.0
SSW	0.14	0.28	0.61	0.23	0.60	0.23	0.42	0.42	0.60	0.88	1.21	0.93	0.84	0.47	0.33	8.19	4.7
SW	0.28	0.14	0.19	0.14	0.37	0.14	0.09	0.09	0.05	0.14	0.46	0.32	0.19	0.05	0.00	2.65	3.6
WSW	0.33	0.28	0.46	0.23	0.32	0.32	0.09	0.05	0.23	0.05	0.28	0.14	0.05	0.05	0.00	2.88	2.6
W	0.84	0.79	0.42	0.42	0.79	0.32	0.28	0.19	0.14	0.00	0.05	0.18	0.14	0.05	0.00	4.61	2.0
WNW	0.61	2.75	2.28	1.30	0.70	0.88	0.88	0.51	0.84	0.28	0.60	0.56	0.09	0.19	0.00	12.47	2.3
NW	0.33	0.84	1.58	1.30	1.67	1.95	1.49	2.05	2.00	1.77	1.91	1.35	0.70	0.23	0.00	19.17	3.5
NNW	0.33	0.61	0.70	0.74	1.21	1.81	2.09	1.63	1.58	0.93	1.02	0.65	0.14	0.05	0.00	13.49	3.3
N	0.14	0.14	0.37	0.37	0.33	0.37	0.65	0.51	0.14	0.05	0.14	0.05	0.00	0.00	0.00	3.26	2.7
TOTAL	4.55	8.68	10.14	8.12	10.16	8.80	8.59	6.95	7.54	5.45	7.49	7.03	3.73	1.70	1.07	100.00	3.2

NUMBER OF INVALID OBSERVATIONS= 11.

PERCENT OF VALID OBSERVATIONS= 99.5

TABLE 159 - A

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.09	0.14	0.14	0.23	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	2.3
NE	0.00	0.00	0.00	0.05	0.23	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.3
ENE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.14	5.4
E	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	3.1
ESE	0.00	0.00	0.00	0.05	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.2
SE	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.23	4.5
SSE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.14	0.14	0.09	0.04	0.37	0.83	7.9
S	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.05	0.05	0.09	0.18	0.04	0.09	0.64	6.3
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.28	0.09	0.05	0.09	0.00	0.60	6.1
SW	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.23	3.7
WSW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.4
W	0.00	0.00	0.00	0.05	0.09	0.05	0.04	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.41	3.0
WNW	0.00	0.00	0.05	0.00	0.00	0.05	0.09	0.05	0.27	0.23	0.04	0.00	0.00	0.00	0.00	0.78	3.9
NW	0.00	0.00	0.00	0.14	0.18	0.18	0.05	0.00	0.32	0.28	0.14	0.00	0.00	0.00	0.00	1.29	3.6
NNW	0.00	0.05	0.05	0.18	0.27	0.27	0.37	0.18	0.05	0.05	0.09	0.00	0.00	0.00	0.00	1.56	2.8
N	0.00	0.00	0.00	0.37	0.19	0.18	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	2.3
TOTAL	0.00	0.05	0.24	0.98	1.29	1.40	1.09	0.41	0.76	0.70	0.92	0.41	0.36	0.17	0.46	9.24	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.2

TABLE 159 - B

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.18	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.7
NE	0.00	0.00	0.00	0.05	0.09	0.14	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.32	2.7
ENE	0.00	0.00	0.05	0.05	0.09	0.05	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.32	2.6
E	0.00	0.00	0.05	0.09	0.14	0.05	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.41	2.4
ESE	0.00	0.05	0.09	0.09	0.46	0.27	0.32	0.14	0.18	0.00	0.05	0.00	0.00	0.00	0.00	1.65	2.7
SE	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.05	0.28	0.00	0.09	0.00	0.00	0.00	0.00	0.51	4.2
SSE	0.00	0.00	0.00	0.00	0.05	0.05	0.14	0.05	0.14	0.23	0.27	0.37	0.18	0.09	0.18	1.75	5.8
S	0.00	0.00	0.05	0.09	0.05	0.18	0.09	0.00	0.14	0.09	0.28	0.46	0.41	0.14	0.50	2.48	6.3
SSW	0.00	0.00	0.00	0.18	0.00	0.00	0.09	0.18	0.05	0.23	0.09	0.05	0.05	0.05	0.04	1.01	4.4
SW	0.00	0.00	0.00	0.14	0.09	0.05	0.00	0.05	0.00	0.09	0.23	0.04	0.04	0.00	0.00	0.73	4.1
WSW	0.00	0.00	0.09	0.00	0.00	0.14	0.09	0.00	0.05	0.05	0.05	0.04	0.00	0.00	0.00	0.51	3.4
W	0.00	0.00	0.14	0.00	0.00	0.00	0.05	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.37	3.0
WNW	0.00	0.05	0.09	0.09	0.05	0.05	0.14	0.04	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.69	2.9
NW	0.00	0.05	0.14	0.05	0.18	0.04	0.14	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.96	3.0
NNW	0.00	0.00	0.09	0.18	0.23	0.09	0.28	0.00	0.09	0.14	0.28	0.00	0.00	0.00	0.00	1.38	3.3
N	0.00	0.00	0.00	0.19	0.46	0.18	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.06	2.5
TOTAL	0.00	0.15	0.97	1.29	2.03	1.43	1.47	0.69	1.25	1.13	1.56	0.96	0.68	0.28	0.72	14.61	4.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 14.6

TABLE 159 - C

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.05	0.05	0.00	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.5
NE	0.00	0.00	0.00	0.05	0.05	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.18	2.9
ENE	0.00	0.14	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.1
E	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.18	4.2
ESE	0.00	0.05	0.05	0.05	0.18	0.04	0.09	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.64	2.6
SE	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.37	4.3
SSE	0.00	0.00	0.05	0.05	0.00	0.04	0.04	0.09	0.14	0.09	0.14	0.23	0.09	0.14	0.14	1.24	5.8
S	0.00	0.00	0.05	0.00	0.00	0.00	0.04	0.09	0.09	0.00	0.14	0.37	0.00	0.00	0.14	0.92	5.8
SSW	0.00	0.00	0.00	0.00	0.05	0.05	0.09	0.00	0.09	0.00	0.14	0.14	0.04	0.04	0.00	0.64	4.9
SW	0.00	0.05	0.05	0.05	0.09	0.00	0.00	0.00	0.05	0.00	0.09	0.00	0.09	0.04	0.00	0.51	4.2
WSW	0.00	0.00	0.09	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.37	3.6
W	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.9
WNW	0.00	0.05	0.05	0.00	0.05	0.18	0.05	0.27	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.83	3.2
NW	0.00	0.00	0.09	0.00	0.05	0.18	0.05	0.05	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.51	2.8
NNW	0.00	0.05	0.18	0.14	0.05	0.09	0.27	0.05	0.27	0.14	0.09	0.00	0.00	0.00	0.00	1.33	3.1
N	0.00	0.05	0.05	0.00	0.00	0.14	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.37	2.9
TOTAL	0.00	0.39	0.71	0.49	0.56	0.92	0.81	0.83	0.95	0.58	0.86	0.82	0.22	0.22	0.28	8.64	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 8.6

TABLE 159 - D

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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 PERCEN 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	0.05	0.28	0.32	0.41	0.55	0.41	0.18	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.39	2.0
NE	0.00	0.05	0.14	0.27	0.18	0.23	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	2.0
ENE	0.00	0.14	0.18	0.27	0.05	0.05	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.9
E	0.05	0.00	0.09	0.32	0.23	0.27	0.18	0.23	0.05	0.05	0.05	0.04	0.00	0.00	0.00	1.56	2.7
ESE	0.00	0.05	0.18	0.27	0.46	0.14	0.00	0.14	0.09	0.09	0.05	0.00	0.05	0.00	0.00	1.52	2.6
SE	0.05	0.00	0.18	0.14	0.18	0.23	0.28	0.32	0.32	0.18	0.28	0.14	0.09	0.00	0.00	2.39	3.7
SSE	0.00	0.05	0.18	0.05	0.14	0.23	0.37	0.46	0.64	1.06	1.01	0.50	0.41	0.37	0.37	5.84	5.2
S	0.00	0.05	0.18	0.00	0.05	0.18	0.18	0.18	0.83	0.69	1.01	1.06	0.78	0.41	0.05	5.65	5.4
SSW	0.00	0.05	0.00	0.23	0.14	0.18	0.14	0.05	0.09	0.23	0.18	0.46	0.37	0.14	0.04	2.30	5.0
SW	0.05	0.00	0.00	0.14	0.00	0.05	0.14	0.09	0.09	0.09	0.09	0.05	0.04	0.00	0.00	0.83	3.7
WSW	0.05	0.05	0.05	0.09	0.04	0.00	0.04	0.14	0.00	0.00	0.23	0.04	0.00	0.00	0.00	0.73	3.4
W	0.00	0.05	0.14	0.19	0.51	0.23	0.18	0.18	0.18	0.09	0.00	0.00	0.00	0.00	0.00	1.75	2.7
WNW	0.05	0.14	0.18	0.23	0.32	0.64	0.32	0.51	0.09	0.09	0.05	0.05	0.00	0.00	0.00	2.67	2.7
NW	0.00	0.09	0.32	0.28	0.51	0.46	0.41	0.28	0.23	0.18	0.23	0.09	0.00	0.00	0.00	3.08	3.0
NNW	0.00	0.14	0.46	0.27	0.46	0.41	0.78	0.64	0.05	0.23	0.14	0.00	0.00	0.00	0.00	3.58	2.8
N	0.00	0.23	0.42	0.23	0.64	0.64	0.32	0.09	0.14	0.00	0.00	0.00	0.00	0.00	0.00	2.71	2.2
TOTAL	0.30	1.37	3.02	3.39	4.46	4.35	3.70	3.54	2.85	2.98	3.32	2.43	1.74	0.92	0.46	38.83	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 38.8

TABLE 159 - E

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.09	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	0.18	0.9
NE	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.5
ENE	0.00	0.00	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	0.14	1.2
E	0.05	0.14	0.04	0.00	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.5
ESE	0.09	0.00	0.60	0.23	0.05	0.00	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	1.06	1.5
SE	0.05	0.28	0.60	0.27	0.27	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.6
SSE	0.23	0.19	0.09	0.09	0.19	0.23	0.18	0.09	0.14	0.09	0.09	0.00	0.00	0.00	0.00	1.61	2.4
S	0.09	0.14	0.05	0.05	0.14	0.37	0.09	0.18	0.18	0.27	0.14	0.14	0.00	0.00	0.05	1.89	3.5
SSW	0.00	0.14	0.00	0.00	0.18	0.18	0.09	0.09	0.05	0.05	0.14	0.14	0.04	0.00	0.00	1.10	3.6
SW	0.14	0.09	0.14	0.00	0.09	0.00	0.05	0.09	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.64	1.8
WSW	0.27	0.09	0.05	0.00	0.05	0.00	0.18	0.05	0.00	0.09	0.27	0.00	0.00	0.00	0.05	1.10	2.9
W	0.14	0.83	0.37	0.27	0.14	0.14	0.37	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	2.39	1.6
WNW	0.05	0.50	0.78	0.37	0.18	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	1.4
NW	0.00	0.23	0.50	0.41	0.05	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	1.4
NNW	0.00	0.23	0.18	0.28	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1.4
N	0.00	0.09	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.3
TOTAL	1.11	3.04	3.72	2.20	1.71	1.43	1.29	0.60	0.41	0.50	0.76	0.28	0.04	0.00	0.10	17.19	2.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 17.3

TABLE 159 - F

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.00	0.00	0.00	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	0.05	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	0.00	0.05	0.2
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	0.18	0.05	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.3
SE	0.23	0.37	0.32	0.18	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.1
SSE	0.14	0.14	0.32	0.00	0.05	0.18	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.96	1.6
S	0.09	0.09	0.09	0.09	0.00	0.05	0.14	0.05	0.14	0.00	0.18	0.18	0.00	0.00	0.00	1.10	3.5
SSW	0.09	0.14	0.05	0.05	0.00	0.05	0.09	0.00	0.09	0.09	0.00	0.05	0.04	0.04	0.00	0.78	3.1
SW	0.41	0.09	0.00	0.09	0.00	0.00	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.5
WSW	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.4
W	0.32	0.74	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.6
WNW	0.41	0.73	0.28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.6
NW	0.05	0.46	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.8
NNW	0.05	0.14	0.09	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.0
N	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.4
TOTAL	2.12	3.35	1.61	0.69	0.19	0.42	0.37	0.23	0.32	0.09	0.18	0.23	0.04	0.04	0.00	9.88	1.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.9

TABLE 159 - G

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.05	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	0.00	0.05	0.4
E	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
ESE	0.00	0.09	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	0.23	1.0
SE	0.04	0.09	0.23	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1.1
SSE	0.05	0.09	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.2
S	0.09	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	0.00	0.18	0.4
SSW	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.6
SW	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	0.00	0.05	0.2
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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.2
WNW	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	0.00	0.14	0.3
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	0.42	0.59	0.32	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.6

TABLE 159 - ALL

DATA PERIOD 04/01/1985 THROUGH 06/30/1985 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	0.05	0.37	0.73	0.69	0.83	0.73	0.32	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	3.95	2.0
NE	0.00	0.05	0.14	0.55	0.55	0.41	0.18	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	1.97	2.2
ENE	0.09	0.27	0.37	0.32	0.18	0.14	0.09	0.09	0.05	0.05	0.00	0.05	0.04	0.00	0.00	1.74	2.1
E	0.09	0.18	0.18	0.46	0.51	0.41	0.37	0.28	0.05	0.09	0.09	0.09	0.00	0.00	0.00	2.80	2.6
ESE	0.09	0.41	1.06	0.92	1.33	0.46	0.50	0.41	0.28	0.14	0.14	0.00	0.05	0.00	0.00	5.79	2.3
SE	0.37	0.74	1.33	0.73	0.55	0.64	0.46	0.41	0.69	0.28	0.55	0.18	0.09	0.00	0.00	7.02	2.6
SSE	0.41	0.46	0.64	0.18	0.51	0.78	0.78	0.74	1.10	1.47	1.65	1.24	0.78	0.64	1.06	12.44	4.8
S	0.27	0.37	0.41	0.23	0.23	0.92	0.55	0.50	1.38	1.10	1.79	2.30	1.38	0.60	0.83	12.86	5.1
SSW	0.09	0.41	0.04	0.46	0.37	0.46	0.50	0.32	0.37	0.69	0.83	0.92	0.60	0.37	0.09	6.52	4.5
SW	0.64	0.23	0.23	0.41	0.28	0.09	0.32	0.37	0.23	0.19	0.55	0.09	0.18	0.05	0.00	3.86	3.0
WSW	0.55	0.37	0.27	0.09	0.09	0.23	0.37	0.23	0.09	0.14	0.64	0.14	0.00	0.00	0.05	3.26	2.8
W	0.51	1.65	0.87	0.55	0.74	0.41	0.64	0.46	0.41	0.14	0.05	0.00	0.00	0.00	0.00	6.43	1.9
WNW	0.60	1.52	1.42	0.73	0.60	1.15	0.64	0.87	0.46	0.50	0.18	0.05	0.00	0.00	0.00	8.72	2.2
NW	0.05	0.83	1.24	0.87	0.96	1.01	0.69	0.41	0.64	0.60	0.51	0.09	0.00	0.00	0.00	7.90	2.6
NNW	0.04	0.60	1.06	1.10	1.24	0.92	1.70	0.87	0.46	0.55	0.60	0.00	0.00	0.00	0.00	9.14	2.7
N	0.05	0.41	0.55	0.87	1.33	1.15	0.64	0.18	0.27	0.05	0.00	0.00	0.05	0.00	0.05	5.60	2.3
TOTAL	3.90	8.87	10.54	9.16	10.30	9.91	8.75	6.28	6.57	6.04	7.62	5.15	3.17	1.66	2.08	100.00	3.2

NUMBER OF INVALID OBSERVATIONS= 6.

PERCENT OF VALID OBSERVATIONS= 99.7

RELEASE NUMBER 85001 CONTAINMENT PURGE

STARTING TIME JAN 3,1985 HOUR 17 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	8.8	330.8	-1.0
18	7.3	317.9	-0.3
19	8.1	320.9	-0.3
20	7.1	317.8	-0.4
21	5.5	322.5	-0.7
22	5.6	321.0	-0.6
23	3.5	318.3	-0.8
24	3.4	319.0	-0.8
1	3.6	312.6	-0.4
2	2.6	309.3	-0.4
3	3.0	289.3	-0.5

STOP TIME JAN 4,1985 HOUR 2 MINUTE 10

STARTING TIME JAN 4,1985 HOUR 6 MINUTE 6

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	2.4	291.5	0.7
7	0.9	283.4	0.9
8	0.9	152.3	0.8
9	2.3	203.8	1.1
10	2.9	205.9	-0.2

STOP TIME JAN 4,1985 HOUR 9 MINUTE 16

STARTING TIME JAN 4,1985 HOUR 10 MINUTE 27

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
10	2.9	205.9	-0.2
11	5.4	197.4	-1.4
12	11.0	200.5	-1.5
13	12.6	194.6	-1.5
14	12.6	193.6	-1.5
15	11.4	194.1	-1.5
16	15.3	191.0	-1.3
17	17.3	187.7	-1.0
18	15.8	181.0	-0.6
19	11.4	184.4	-0.7
20	12.4	196.9	-0.4
21	17.6	206.8	-0.1
22	19.6	206.9	0.2

23	18.9	208.3	0.4
24	17.5	212.1	1.4
1	16.5	210.0	2.9
2	15.3	211.2	3.6
3	14.5	209.4	2.6
4	4.8	202.8	-0.3
5	2.5	211.6	-0.9
6	2.3	209.1	-0.4
7	2.5	243.2	-0.5
8	2.0	299.8	0.6

STOP TIME JAN 5,1985 HOUR 7 MINUTE 41

STARTING TIME JAN 5,1985 HOUR 11 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	7.4	288.5	-0.8
12	12.5	298.1	-1.1
13	13.5	301.1	-1.0
14	11.0	291.3	-1.0
15	13.7	299.0	-0.9
16	14.1	295.3	-0.9
17	14.2	307.4	-1.1
18	14.8	315.3	-1.2
19	15.1	313.8	-1.2
20	15.5	321.0	-1.3
21	15.4	320.6	-1.5
22	14.8	319.4	-1.4
23	15.1	321.9	-1.4
24	13.7	323.4	-1.5
1	16.7	213.9	2.9
2	15.9	215.2	3.7
3	15.8	212.4	2.7
4	5.5	255.8	-0.1
5	3.2	277.7	-0.9
6	2.7	289.8	-0.3
7	2.7	246.9	-0.4
8	2.1	294.3	0.7
9	5.7	296.1	0.2
10	8.4	284.6	-0.4
11	7.9	290.0	-0.7
12	12.8	302.3	-1.0
13	14.4	302.6	-0.9
14	11.3	295.8	-0.9
15	14.4	303.0	-0.8
16	14.8	298.8	-0.7
17	15.0	309.7	-1.0
18	15.6	318.0	-1.1
19	15.8	316.1	-1.1
20	16.6	325.8	-1.2
21	15.9	324.8	-1.3

22	15.5	323.2	-1.3
23	15.6	326.8	-1.4
24	13.9	326.6	-1.4
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

STOP TIME JAN 7,1985 HOUR 6 MINUTE 30

RELEASE NUMBER 85002 CONTAINMENT PURGE

STARTING TIME JAN 11,1985 HOUR 8 MINUTE 32

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	9.8	321.8	-1.1
9	8.1	325.9	-1.2
10	6.9	331.3	-1.1
11	10.8	320.2	-1.0
12	9.3	321.4	-1.1
13	9.2	324.1	-1.5
14	10.6	322.0	-1.6
15	8.8	325.0	-1.8
16	8.9	320.5	-1.7
17	9.7	319.1	-1.7
18	7.9	318.3	-1.7
19	8.1	325.3	-1.7
20	8.0	321.1	-1.3
21	5.9	309.6	-0.7
22	4.6	304.4	-0.5
23	2.8	308.1	-0.3
24	2.9	287.3	-0.2
1	3.2	284.1	-0.3
2	3.8	290.6	-0.1
3	3.6	287.2	-0.1
4	4.1	292.0	0.1
5	4.0	288.8	-0.1
6	3.6	264.6	0.1
7	1.0	276.1	1.2
8	2.7	251.9	1.4
9	3.8	259.7	2.5
10	3.0	264.9	1.0
11	2.8	256.0	0.7
12	2.1	248.9	0.1
13	4.1	222.8	-0.8
14	5.2	217.4	-1.1
15	4.2	193.8	-1.4
16	9.8	209.1	-1.4
17	12.8	205.2	-1.4
18	11.2	204.5	-1.5
19	13.3	204.0	-1.5
20	14.5	197.3	-1.2
21	15.6	197.2	-0.8
22	19.7	202.8	-0.4
23	20.3	205.6	-0.6
24	22.8	211.1	-0.6
1	19.4	212.2	0.1
2	15.3	216.8	-0.1
3	9.1	202.1	-0.3
4	18.4	209.1	0.3
5	9.1	207.1	-0.7
6	4.2	183.5	-0.8
7	3.7	144.7	-0.9
8	2.7	118.6	-0.9

9	2.5	181.1	-1.0
10	3.3	207.8	-0.9
11	4.8	236.6	-0.8
12	5.0	227.5	-0.2
13	3.5	278.0	0.3
14	4.7	283.6	-0.9
15	4.6	277.4	-1.4
16	4.9	287.1	-0.8
17	5.1	270.6	-1.4
18	6.8	244.5	-1.3
19	6.1	252.6	-1.3
20	5.0	262.4	-0.6
21	4.8	276.8	-0.4
22	6.3	279.3	-0.7
23	8.7	266.3	-0.4
24	9.3	283.6	-0.5
1	10.4	290.2	-0.8
2	11.5	292.6	-0.9
3	11.7	295.8	-0.9
4	12.7	304.3	-1.1
5	14.0	313.2	-1.2
6	18.3	319.7	-1.3
7	15.9	327.5	-1.4

STOP TIME JAN 14,1985 HOUR 6 MINUTE 15

RELEASE NUMBER 85003 CONTAINMENT PURGE

STARTING TIME JAN 17,1985 HOUR 13 MINUTE 6

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
13	2.7	232.0	-1.4
14	6.1	182.7	-1.5
15	8.6	192.3	-1.5
16	10.8	196.8	-1.5
17	15.1	190.3	-1.6
18	10.9	193.6	-1.5
19	7.0	204.5	-1.4
20	9.2	226.9	-1.2
21	10.6	230.6	-0.4
22	13.6	229.7	0.5
23	10.0	257.6	-0.4
24	7.2	272.6	-0.4
1	7.7	276.7	-0.4
2	7.5	276.5	-0.3
3	8.4	280.0	-0.5
4	9.7	291.4	-0.6
5	11.8	298.6	-0.7
6	14.9	314.9	-1.0
7	12.7	332.5	-1.3
8	9.9	332.4	-1.4
9	8.4	345.2	-1.5
10	11.0	329.5	-1.5
11	9.2	336.4	-1.6
12	10.8	329.2	-1.6
13	9.6	329.2	-1.7
14	7.9	332.4	-1.8
15	8.7	326.7	-1.9
16	8.1	319.6	-1.9
17	9.9	315.2	-1.8
18	9.1	313.8	-1.9
19	7.8	307.2	-1.7
20	4.6	310.5	-1.6
21	2.8	325.5	-1.5
22	1.6	354.8	-1.5
23	2.7	15.1	-1.6
24	3.4	24.1	-1.6
1	3.9	17.8	-1.6
2	4.6	5.2	-1.7
3	6.0	346.1	-1.6
4	6.1	346.6	-1.6
5	5.3	330.1	-1.5
6	5.3	319.6	-1.4
7	7.9	332.7	-1.5
8	11.4	331.3	-1.6
9	14.1	326.4	-1.6
10	13.2	328.5	-1.6
11	14.3	328.1	-1.6
12	12.8	329.1	-1.7
13	12.9	331.4	-1.8

14	14.4	332.6	-1.9
15	12.8	328.7	-2.0
16	13.3	332.3	-2.1
17	17.4	324.5	-2.0
18	17.9	324.8	-2.0
19	18.5	324.1	-1.9
20	15.3	324.9	-1.7
21	5.6	327.1	-1.5
22	0.3	326.5	-1.5
23	0.3	324.9	-1.6
24	0.3	328.0	-1.6
1	0.3	327.7	-1.6
2	0.3	325.2	-1.5
3	0.3	322.3	-1.6
4	0.2	313.4	-1.6
5	0.3	312.0	-1.6
6	1.5	309.1	-1.6
7	7.5	301.5	-1.5
8	9.6	302.4	-1.5
9	8.8	298.2	-1.5
10	5.4	288.3	-1.5
11	4.8	277.3	-1.3
12	6.0	283.5	-1.6
13	8.9	289.5	-1.7
14	11.1	303.1	-1.9
15	12.1	312.6	-1.9
16	13.4	315.9	-1.9
17	12.8	313.4	-1.9
18	13.0	308.7	-1.9
19	11.4	316.3	-1.8
20	12.5	314.9	-1.7
21	10.6	318.0	-1.5
22	9.2	312.6	-1.4
23	9.8	311.9	-1.5
24	10.1	313.7	-1.4
1	10.5	312.4	-1.5
2	12.3	317.4	-1.5
3	11.6	309.2	-1.5
4	9.8	319.1	-1.5
5	8.5	316.1	-1.4
6	7.3	298.6	-1.3
7	9.7	308.9	-1.5
8	10.6	308.1	-1.5

STOP TIME JAN 21,1985 HOUR 7 MINUTE 41

RELEASE NUMBER 85004 CONTAINMENT PURGE

STARTING TIME JAN 24,1985 HOUR 14 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	12.2	318.6	-1.4
15	9.5	302.0	-1.6
16	9.1	300.4	-1.6
17	9.0	290.5	-1.5
18	10.1	290.7	-1.4
19	9.2	281.7	-1.3
20	7.1	266.1	-1.2
21	9.6	247.1	-0.9
22	12.4	236.6	0.3
23	12.1	242.6	0.3
24	8.0	275.0	-0.7
1	11.5	290.5	-0.8
2	15.3	318.7	-1.2
3	16.8	325.3	-1.4
4	18.8	326.6	-1.5
5	14.5	331.9	-1.7
6	14.4	331.9	-1.6
7	12.5	329.2	-1.6
8	13.7	336.2	-1.7
9	13.6	327.3	-1.7
10	11.3	329.7	-1.6
11	12.5	326.0	-1.5
12	11.0	331.1	-1.6
13	9.7	328.1	-1.9
14	10.9	318.4	-2.0
15	10.7	319.0	-2.2
16	11.4	316.2	-2.1
17	10.3	315.5	-2.1
18	9.2	311.2	-2.1
19	8.2	316.9	-1.9
20	6.7	319.8	-1.8
21	5.6	317.8	-1.5
22	3.1	318.8	-1.1
23	0.9	267.8	-0.8
24	0.8	229.1	-0.1
1	1.1	185.4	0.5
2	2.0	184.8	0.9
3	2.2	165.2	0.9
4	3.5	143.6	0.7
5	6.7	168.4	0.7
6	10.4	168.7	0.8
7	7.7	156.1	-0.7
8	10.0	168.3	-0.9
9	17.7	187.2	-0.3
10	18.2	188.1	-0.9
11	19.6	194.2	-1.0
12	24.4	203.7	-1.1
13	17.9	206.7	-1.4
14	12.9	219.1	-1.7

15	11.2	223.5	-1.8
16	10.0	227.1	-1.7
17	8.7	238.8	-1.8
18	5.9	252.7	-1.7
19	4.4	272.0	-1.5
20	5.6	320.4	-1.3
21	1.9	308.3	-0.5
22	0.8	270.8	1.1
23	1.5	269.8	0.9
24	2.0	263.7	0.9
1	3.5	270.2	1.0
2	5.1	281.4	-0.2
3	3.5	297.0	0.2
4	2.9	300.5	1.2
5	1.5	340.8	0.4
6	3.4	325.3	-0.2
7	3.4	300.7	-0.2
8	2.3	279.2	0.2
9	2.5	285.2	0.4
10	3.3	297.1	0.2
11	4.3	300.1	0.1
12	4.7	308.1	-0.5
13	6.6	319.6	-1.4
14	8.2	328.1	-1.7
15	9.2	329.0	-1.7
16	7.8	330.8	-1.7
17	8.6	325.4	-1.7
18	7.6	331.2	-1.6
19	8.5	320.8	-1.6
20	8.3	316.0	-1.5
21	6.9	314.1	-1.4
22	8.2	321.5	-1.3
23	6.7	329.1	-1.4
24	6.8	347.6	-1.6
1	8.0	4.1	-1.5
2	5.2	9.3	-1.4
3	5.1	358.1	-1.3
4	3.9	351.2	-1.3
5	2.9	346.7	-1.5
6	2.5	336.5	-1.4
7	3.2	334.4	-1.3
8	1.6	305.6	-0.8

STOP TIME JAN 28,1985 HOUR 7 MINUTE 12

RELEASE NUMBER 85005 CONTAINMENT PURGE

STARTING TIME JAN 31,1985 HOUR 15 MINUTE 54

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
15	6.5	271.7	-2.1
16	6.2	289.2	-2.1
17	6.5	282.0	-2.2
18	6.7	284.3	-2.0
19	6.1	282.1	-2.0
20	5.9	290.1	-1.7
21	2.7	281.9	-1.1
22	0.7	268.1	0.1

STOP TIME JAN 31,1985 HOUR 21 MINUTE 49

STARTING TIME FEB 1,1985 HOUR 1 MINUTE 47

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	0.5	273.5	1.7
2	0.4	288.1	2.1
3	1.6	218.1	1.5
4	2.3	222.3	1.2
5	4.6	224.7	1.1
6	3.8	253.1	2.4
7	4.2	265.2	0.6
8	4.5	288.1	-0.5
9	2.5	310.6	-0.6
10	1.5	291.3	-0.5
11	2.7	303.4	-0.4
12	4.4	322.4	-1.2
13	4.5	331.4	-1.6
14	5.2	333.7	-1.8
15	4.7	312.1	-1.9
16	3.7	287.3	-2.0
17	4.3	281.5	-1.9
18	4.1	272.5	-2.0
19	3.7	299.0	-1.9

STOP TIME FEB 1,1985 HOUR 18 MINUTE 38

STARTING TIME FEB 1,1985 HOUR 21 MINUTE 39

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	1.3	277.4	-1.3
22	0.7	256.7	-0.6
23	0.6	208.0	0.1
24	0.5	185.4	0.3

STOP TIME FEB 1,1985 HOUR 23 MINUTE 18

STARTING TIME FEB 2,1985 HOUR 3 MINUTE 42

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
3	0.3	235.1	1.6
4	1.0	131.1	2.1
5	1.5	124.1	2.3
6	3.5	178.7	1.9
7	4.3	196.4	1.7
8	4.5	192.3	1.7
9	3.6	144.4	1.1
10	2.5	104.9	0.5
11	5.1	182.6	0.7
12	9.7	188.6	-0.3
13	12.5	191.7	-1.4
14	13.5	191.1	-1.7
15	14.5	193.0	-1.7
16	17.3	204.5	-1.8
17	16.6	204.0	-1.8
18	16.5	217.6	-1.8
19	14.9	210.8	-1.7
20	13.2	215.7	-1.6
21	9.8	201.9	-1.2
22	9.5	200.2	-0.8
23	12.2	204.3	-0.4
24	15.0	208.5	-0.8
1	15.4	215.1	-0.5
2	15.2	222.3	0.1
3	13.1	219.5	0.2
4	3.5	205.1	-0.8
5	1.7	205.2	-0.9
6	2.4	178.3	-0.2
7	0.9	309.3	-0.1
8	1.9	335.7	-1.2
9	2.1	307.4	-0.8
10	2.0	324.7	-0.8
11	2.6	2.2	-1.0
12	4.0	44.4	-1.5
13	5.4	59.3	-1.8

14	5.4	61.3	-2.1
15	4.6	98.4	-1.9
16	4.0	90.8	-1.9
17	4.7	87.5	-1.9
18	4.7	83.9	-1.8
19	5.0	77.0	-1.8
20	4.3	69.3	-1.7
21	3.8	66.4	-1.6
22	3.9	33.0	-1.6
23	4.9	31.6	-1.6
24	3.5	25.8	-1.6
1	3.1	10.9	-1.4
2	2.8	14.2	-1.2
3	2.8	9.5	-1.3
4	4.1	28.9	-1.6
5	4.8	31.9	-1.6
6	4.2	29.6	-1.6

STOP TIME FEB 4,1985 HOUR 5 MINUTE 12

RELEASE NUMBER 85006 CONTAINMENT PURGE

STARTING TIME FEB 7,1985 HOUR 18 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	0.8	67.6	-2.1
19	2.4	199.4	-1.5
20	3.5	210.9	-1.5
21	2.2	173.5	-1.5
22	2.7	161.5	-1.3
23	3.1	125.0	-1.3
24	5.2	160.8	-1.5
1	6.8	157.1	-1.5
2	4.3	140.8	-1.5
3	6.5	128.8	-1.5
4	6.0	130.4	-1.4
5	7.8	132.3	-1.3
6	7.4	141.8	-1.3
7	9.1	132.6	-1.4
8	9.9	135.2	-1.3
9	12.1	134.6	-1.4
10	13.6	130.4	-1.4
11	13.4	137.4	-1.5
12	13.8	133.3	-1.3
13	13.5	132.4	-1.4

STOP TIME FEB 8,1985 HOUR 12 MINUTE 3

STARTING TIME FEB 8,1985 HOUR 12 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	13.8	133.3	-1.3
13	13.5	132.4	-1.4
14	15.6	130.1	-1.5
15	16.3	131.3	-1.6
16	14.4	131.0	0.7
17	15.8	132.9	-1.5
18	13.5	131.0	-1.5
19	13.2	131.8	-1.5
20	15.4	129.0	-1.4
21	13.5	130.1	-1.3
22	13.4	132.5	-1.4
23	14.1	134.6	-1.2
24	15.9	133.1	-1.3
1	14.9	135.6	-1.3
2	13.7	129.1	-1.3
3	13.0	130.5	-1.1
4	12.5	133.2	-1.3
5	14.6	138.8	-1.2
6	14.6	138.4	-1.2

7	13.0	136.3	-1.3
8	10.3	129.3	-1.1
9	11.2	130.3	-1.1
10	11.5	131.6	-1.2
11	8.3	131.0	-1.2
12	7.9	123.4	-1.3
13	8.8	124.6	-1.6
14	9.6	120.6	-1.5
15	9.8	125.8	-1.5
16	8.4	122.5	-1.5
17	6.5	118.8	-1.5
18	6.5	118.6	-1.5
19	4.4	101.7	-1.5
20	2.6	52.2	-1.5
21	2.0	14.0	-1.4
22	1.8	348.3	-1.3
23	3.9	330.6	-1.3
24	7.3	328.4	-1.4
1	6.6	329.5	-1.4
2	6.7	326.6	-1.4
3	7.3	327.0	-1.5
4	9.6	329.2	-1.5
5	7.9	327.7	-1.6
6	6.1	326.5	-1.5
7	7.1	327.7	-1.6
8	7.2	327.8	-1.5
9	7.1	334.1	-1.5
10	6.7	330.3	-1.5
11	5.9	327.8	-1.5
12	6.3	332.7	-1.6
13	8.1	325.7	-1.6
14	7.5	327.4	-1.6
15	8.5	338.8	-1.7
16	10.0	336.1	-1.8
17	10.2	330.9	-1.7
18	12.0	325.0	-1.6
19	12.1	326.0	-1.6
20	11.3	328.2	-1.5
21	10.8	327.1	-1.5
22	9.9	327.2	-1.5
23	9.3	330.6	-1.4
24	10.1	328.4	-1.5
1	10.7	323.5	-1.3
2	12.6	323.5	-1.3
3	12.4	324.6	-1.3
4	11.5	325.1	-1.1
5	9.2	320.9	-1.1
6	7.7	319.8	-1.1
7	8.5	323.4	-1.2
8	8.2	324.3	-1.1

STOP TIME FEB 11,1985 HOUR 7 MINUTE 20

RELEASE NUMBER 85007 CONTAINMENT PURGE

STARTING TIME FEB 14,1985 HOUR 20 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	5.7	341.5	-1.7
21	5.1	355.1	-1.3
22	4.0	353.8	-0.8
23	3.5	315.5	-0.2
24	2.9	302.5	0.7
1	2.2	299.7	0.7
2	1.6	288.1	0.7
3	1.6	297.0	1.1
4	2.3	292.8	0.8
5	2.9	289.3	0.5
6	2.1	285.8	0.4
7	2.4	295.4	0.5
8	1.2	298.4	-0.3
9	1.1	283.3	0.4
10	0.7	243.0	-0.1
11	1.1	54.1	-0.5
12	4.0	124.2	-0.5
13	3.6	141.4	-1.5
14	7.0	158.1	-1.6
15	9.8	166.0	-1.7
16	10.2	162.9	-1.8
17	11.7	166.3	-1.8
18	12.8	160.8	-1.7
19	12.9	169.4	-1.6
20	11.7	167.3	-1.5
21	5.4	151.9	-1.2
22	6.1	150.0	-0.7
23	9.3	180.2	-1.1
24	11.3	185.0	-1.1
1	12.0	191.1	-0.9
2	11.5	208.4	-0.9
3	4.9	194.0	-1.0
4	3.0	265.2	0.4
5	3.6	282.9	1.0
6	6.3	305.3	1.2
7	7.6	285.9	1.6
8	6.9	301.1	1.9

STOP TIME FEB 16,1985 HOUR 7 MINUTE 35

STARTING TIME FEB 16,1985 HOUR 8 MINUTE 46

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	6.9	301.1	1.9
9	6.9	286.0	0.4
10	9.9	311.3	-0.8
11	9.5	313.8	-1.0
12	8.2	308.8	-1.3
13	11.4	311.7	-1.6
14	10.2	313.8	-1.7
15	10.8	305.8	-1.7
16	12.0	311.0	-1.7
17	13.5	317.5	-1.7
18	14.2	313.7	-1.6
19	14.6	314.8	-1.3
20	12.6	315.4	-1.1
21	10.6	309.2	-0.7
22	6.0	303.5	-0.1
23	3.4	281.7	0.4
24	3.1	282.0	1.2
1	4.4	273.9	1.0
2	6.5	251.2	1.7
3	9.7	244.6	2.5
4	11.5	242.3	2.9
5	11.0	246.5	2.6
6	7.6	276.9	0.8
7	1.8	289.3	0.4
8	3.4	286.7	0.3
9	2.7	283.1	0.1
10	1.3	350.8	0.8
11	0.9	249.5	1.3
12	1.1	155.0	0.7
13	1.2	127.3	-1.1
14	1.4	209.1	-1.6
15	2.9	176.7	-1.6
16	4.8	190.5	-1.6
17	8.1	208.0	-1.6
18	11.6	208.9	-1.5
19	11.0	224.2	-1.4
20	8.1	218.4	-1.5
21	7.3	187.8	-0.8
22	8.6	184.1	0.1
23	7.3	179.6	-0.5
24	6.8	181.3	-0.1
1	6.3	174.2	-0.3
2	7.5	179.0	-0.6
3	9.7	192.1	-0.5
4	9.3	189.2	-0.7
5	11.0	213.6	-0.9
6	11.1	234.7	-0.9
7	13.7	237.1	-0.5
8	12.5	245.9	-0.2

9	9.1	264.1	-0.3
10	6.4	284.4	-0.5

STOP TIME FEB 18,1985 HOUR 9 MINUTE 45

RELEASE NUMBER 85008 CONTAINMENT PURGE

STARTING TIME FEB 21,1985 HOUR 20 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	4.2	331.0	-1.1
21	6.5	325.4	-1.2
22	4.7	318.1	-1.0
23	5.3	317.8	-1.1
24	5.9	322.7	-1.0
1	4.1	317.6	-1.2
2	2.6	317.4	-1.1
3	1.8	312.9	-1.1
4	1.7	306.6	-0.9
5	2.1	310.2	-1.1
6	0.9	274.9	-1.1

STOP TIME FEB 22,1985 HOUR 5 MINUTE 58

STARTING TIME FEB 22,1985 HOUR 9 MINUTE 39

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	1.4	346.6	-1.4
10	1.8	141.7	-1.3
11	1.4	192.1	-1.4
12	1.2	179.0	-1.4
13	3.3	146.8	-1.3

STOP TIME FEB 22,1985 HOUR 12 MINUTE 35

STARTING TIME FEB 22,1985 HOUR 16 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	4.4	205.5	-1.4
17	1.9	11.6	-1.6
18	3.1	87.9	-1.7
19	4.4	112.8	-1.6

STOP TIME FEB 22,1985 HOUR 18 MINUTE 0

STARTING TIME FEB 23,1985 HOUR 6 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	4.5	346.1	-1.2
7	2.7	336.6	-1.1
8	2.5	337.3	-1.3
9	2.7	341.7	-1.3
10	2.7	326.1	-1.3
11	5.2	318.9	-1.1
12	5.2	330.1	-1.1
13	4.2	326.9	-1.3
14	3.6	337.6	-1.4
15	4.9	338.4	-1.4
16	6.7	340.2	-1.5
17	7.9	341.3	-1.4
18	9.2	342.2	-1.4
19	8.6	345.0	-1.3
20	9.7	342.2	-1.3
21	9.5	345.1	-1.3
22	10.2	340.6	-1.3
23	8.3	341.9	-1.4
24	9.1	335.9	-1.3
1	8.9	342.2	-1.3
2	6.0	341.0	-1.4
3	6.2	329.9	-1.3
4	7.3	327.3	-1.4
5	7.2	333.8	-1.5
6	6.5	348.4	-1.5
7	6.0	335.5	-1.5
8	7.7	330.7	-1.5
9	5.6	340.4	-1.5
10	5.2	340.1	-1.5
11	5.4	322.7	-1.5
12	4.3	323.5	-1.6
13	2.8	317.4	-1.5
14	2.4	311.3	-1.6
15	4.5	234.1	-1.7
16	5.6	221.1	-1.7
17	6.8	208.7	-1.8
18	8.7	201.1	-1.7
19	9.8	189.7	-1.7
20	10.6	176.9	-1.6
21	8.6	164.2	-1.4
22	6.8	163.2	-0.8
23	8.3	151.3	-0.4
24	9.3	153.4	-0.5
1	13.3	163.9	-0.5
2	13.4	176.7	-0.4
3	14.3	178.3	-0.5
4	15.1	180.4	-0.4
5	13.3	178.1	-0.2
6	13.7	179.4	-0.5

7	13.5	175.8	-0.6
8	16.5	183.5	-0.5
9	17.5	185.4	-0.6
10	18.0	187.6	-0.5

STOP TIME FEB 25,1985 HOUR 9 MINUTE 50

RELEASE NUMBER 85009 CONTAINMENT PURGE

STARTING TIME FEB 28,1985 HOUR 14 MINUTE 18

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	18.1	216.3	-1.5
15	15.0	211.8	-1.7
16	13.8	210.2	-1.7
17	13.1	200.6	-1.7
18	13.4	203.8	-1.7
19	15.3	195.4	-1.6
20	12.6	181.7	-1.4
21	9.7	183.0	-1.2
22	7.6	191.2	-1.1
23	7.8	190.7	-0.9
24	8.5	197.3	-1.2
1	7.4	205.4	-1.1
2	8.3	191.5	-0.9
3	6.4	185.3	-1.0
4	5.6	182.4	-0.9
5	4.3	196.3	-0.9
6	2.2	195.2	-0.8
7	3.2	293.3	0.3
8	2.6	286.0	0.2
9	4.3	300.9	0.2
10	6.1	308.0	-1.5
11	5.9	324.8	0.1
12	6.4	328.3	-1.1
13	6.0	335.2	-1.7
14	7.2	339.5	-1.8
15	6.6	337.7	-2.0
16	6.7	341.6	-2.1
17	7.4	345.5	-2.0
18	6.9	351.0	-2.0
19	6.4	358.2	-1.9
20	5.8	1.4	-1.8
21	3.0	4.3	-1.2
22	1.3	16.3	0.5
23	1.0	284.1	0.7
24	0.7	272.2	0.6
1	1.1	273.6	0.9
2	0.6	347.8	0.7
3	1.3	143.6	0.0
4	1.6	114.4	-0.5
5	1.6	115.2	-0.5
6	1.4	82.5	-0.2
7	1.4	62.0	0.1
8	3.2	105.4	-0.8
9	3.0	90.6	-1.2
10	1.9	59.0	-1.5
11	0.9	50.6	-0.9
12	4.3	90.9	-1.6
13	5.9	79.7	-1.7
14	7.4	99.4	-1.8

15	8.5	100.2	-1.9
16	8.7	103.3	-1.9
17	9.7	107.2	-1.9
18	11.2	104.8	-1.7
19	10.7	100.6	-1.6
20	10.7	100.9	-1.5
21	12.3	101.9	-1.3
22	9.0	96.2	-1.2
23	9.7	97.1	-1.3
24	8.2	99.9	-1.3
1	5.6	79.3	-1.1
2	4.7	70.3	-0.9

STOP TIME MAR 3,1985 HOUR 1 MINUTE 12

STARTING TIME MAR 3,1985 HOUR 1 MINUTE 36

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	5.6	79.3	-1.1
2	4.7	70.3	-0.9
3	5.3	72.1	-1.1
4	7.9	88.8	-1.2
5	9.3	99.8	-1.3
6	10.3	106.9	-1.3
7	12.5	108.3	-1.1
8	15.4	113.9	-0.6
9	14.4	120.6	-1.1
10	14.3	125.2	-1.0
11	13.9	127.6	-1.0
12	13.3	124.6	-1.0
13	13.9	118.7	-0.9
14	15.7	118.6	-0.9
15	19.8	128.1	-0.7
16	18.3	119.4	-0.6
17	13.4	114.1	-0.6
18	7.8	99.8	-0.6
19	9.2	102.5	-0.7
20	10.0	107.9	-0.7
21	9.3	115.2	-0.7
22	11.5	115.2	-0.4
23	10.1	122.7	-0.2
24	7.6	134.4	0.1
1	6.7	145.8	0.4
2	10.7	200.0	-0.9
3	15.6	221.9	-1.1
4	17.4	237.8	-1.2
5	18.3	246.6	-1.3
6	15.4	252.9	-1.3
7	13.5	260.2	-1.5
8	12.7	265.9	-1.6

STOP TIME MAR 4,1985 HOUR 7 MINUTE 22

RELEASE NUMBER 85010 CONTAINMENT PURGE

STARTING TIME MAR 8,1985 HOUR 15 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
15	3.1	355.6	-1.9
16	3.1	359.3	-2.0
17	3.0	262.6	-1.8
18	3.7	254.4	-1.7
19	4.0	248.8	-1.4
20	2.3	198.9	0.1
21	2.1	183.0	2.4
22	1.3	86.9	3.0
23	1.8	301.3	2.2
24	1.6	309.2	1.4
1	2.3	298.3	-0.1
2	1.5	288.8	0.8
3	0.6	269.8	1.6

STOP TIME MAR 9,1985 HOUR 2 MINUTE 33

STARTING TIME MAR 9,1985 HOUR 12 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	1.3	81.7	-0.9
13	5.3	146.8	-1.4
14	9.8	206.1	-1.8
15	11.2	225.4	-1.7
16	11.7	231.7	-1.8
17	11.5	236.8	-1.7
18	9.4	242.3	-1.6
19	4.9	235.8	-1.2
20	7.2	207.7	-0.2
21	7.6	207.5	1.2
22	10.2	204.8	2.0
23	10.5	202.1	2.4
24	11.3	204.2	2.3
1	11.2	202.6	2.4
2	11.4	199.1	2.6
3	10.4	203.6	2.9
4	10.8	208.9	3.3
5	11.0	214.7	2.5
6	10.1	211.6	3.8
7	8.0	200.3	4.4
8	2.9	152.6	2.3
9	1.8	103.7	1.1
10	3.0	121.0	-0.8
11	6.8	185.7	-1.6
12	9.0	194.5	-1.7
13	8.4	187.0	-1.8

14	9.4	178.9	-1.7
15	9.6	187.8	-1.7
16	9.5	182.1	-1.6
17	9.0	180.4	-1.6
18	9.8	165.6	-1.4
19	7.0	140.9	-1.3
20	5.9	137.0	-1.0
21	4.4	173.2	-1.3
22	1.6	183.7	-1.2
23	2.4	122.7	-0.7
24	6.2	127.9	-0.6
1	5.3	125.8	-0.4
2	3.7	125.3	-0.2
3	3.5	135.1	-0.7
4	1.2	59.5	-0.6

STOP TIME MAR 11,1985 HOUR 3 MINUTE 21

STARTING TIME MAR 11,1985 HOUR 6 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	1.1	156.5	-0.1
7	2.9	137.7	-0.3
8	4.0	140.8	-0.1
9	2.3	295.4	-0.7
10	3.5	284.2	-0.8
11	11.6	299.3	-1.2
12	17.0	311.3	-2.1
13	17.2	310.7	-2.1
14	19.0	324.8	-1.8
15	16.9	326.9	-1.9
16	15.4	329.3	-1.7
17	14.4	323.8	-1.5
18	16.6	322.7	-1.5
19	12.9	327.0	-1.5
20	8.8	316.2	-0.8
21	7.2	303.0	-0.5
22	8.9	305.0	-0.6
23	7.7	305.4	-0.7
24	8.0	309.8	-0.6
1	9.5	324.6	-0.9
2	6.8	329.0	-0.8
3	6.3	322.8	-0.6
4	4.0	315.6	-0.4
5	2.2	300.0	-0.7
6	1.6	303.8	-0.4
7	0.7	263.7	-0.4
8	1.5	256.1	-0.2
9	2.8	242.8	-0.1

STOP TIME MAR 12,1985 HOUR 8 MINUTE 26

RELEASE NUMBER 85011 CONTAINMENT PURGE

STARTING TIME MAR 14,1985 HOUR 17 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	6.6	342.3	-2.0
18	5.7	346.7	-1.9
19	4.5	345.4	-1.5

STOP TIME MAR 14,1985 HOUR 18 MINUTE 45

STARTING TIME MAR 15,1985 HOUR 2 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
2	1.1	85.2	3.0
3	3.0	128.3	1.3
4	2.2	104.8	1.9
5	3.3	126.2	2.4
6	2.9	112.3	3.0
7	4.4	125.5	3.2
8	3.1	133.3	2.5
9	5.0	136.0	0.5
10	10.3	168.7	-1.2
11	14.6	179.8	-1.5
12	15.2	186.2	-1.8
13	15.5	196.5	-1.9
14	15.5	205.9	-2.0
15	15.8	196.0	-2.0
16	15.0	209.0	-1.9
17	15.6	200.2	-1.8
18	13.0	202.6	-1.7
19	11.8	192.6	-1.3
20	7.5	183.7	-0.6
21	8.8	193.7	-0.1
22	10.2	195.5	-0.1
23	9.1	194.4	-0.1
24	10.0	194.7	0.4
1	8.8	213.3	1.6
2	2.3	282.3	1.0
3	3.4	293.8	0.9
4	4.4	313.1	0.3
5	2.7	301.2	1.0
6	2.7	322.9	0.1

STOP TIME MAR 16,1985 HOUR 5 MINUTE 53

RELEASE NUMBER 85012 CONTAINMENT PURGE

STARTING TIME MAR 18,1985 HOUR 16 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	14.8	223.7	-2.0
17	14.1	241.8	-1.9
18	9.7	248.8	-1.7
19	5.1	241.3	-1.1
20	7.3	195.2	0.4
21	9.7	205.6	0.9
22	9.4	244.6	0.5
23	3.0	303.3	-0.2
24	1.3	292.2	0.3
1	2.0	302.7	1.2
2	1.4	283.6	1.8
3	1.7	298.7	2.5
4	1.3	297.4	2.3
5	1.7	297.1	2.5
6	3.5	310.9	1.6
7	3.2	302.9	1.5
8	3.1	302.6	1.1
9	2.1	327.0	0.2
10	3.8	350.4	-1.6
11	4.2	354.6	-1.9
12	4.5	359.4	-1.3
13	4.7	25.1	-2.2
14	5.5	29.2	-2.3
15	6.4	40.4	-2.3
16	7.3	65.9	-2.2
17	7.7	56.8	-2.0
18	7.0	59.9	-1.8
19	5.4	72.9	-1.5
20	1.9	75.1	-0.2
21	0.4	4.1	1.9

STOP TIME MAR 19,1985 HOUR 20 MINUTE 0

STARTING TIME MAR 20,1985 HOUR 9 MINUTE 52

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	0.9	286.2	3.8
10	0.7	22.0	0.5
11	3.2	111.7	-1.5
12	7.4	121.5	-1.9

STOP TIME MAR 20,1985 HOUR 11 MINUTE 5

STARTING TIME MAR 20,1985 HOUR 14 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	6.1	131.3	-2.0
15	6.2	133.1	-2.1
16	6.0	131.8	-2.0
17	5.5	124.2	-1.9
18	5.4	126.1	-1.8
19	5.6	116.4	-1.5
20	3.5	121.6	-0.3
21	2.6	145.7	0.4
22	2.8	127.0	0.7
23	2.9	134.0	1.3
24	4.0	143.7	1.4
1	5.9	157.1	2.0
2	7.3	181.7	1.4
3	6.4	192.9	2.1
4	1.1	78.9	2.5
5	1.9	146.1	3.0

STOP TIME MAR 21,1985 HOUR 4 MINUTE 2

RELEASE NUMBER 85013 CONTAINMENT PURGE

STARTING TIME MAR 22,1985 HOUR 16 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	6.3	137.7	-1.7
17	4.9	176.0	-1.5
18	5.7	153.5	-1.5
19	11.1	123.8	-1.3
20	9.6	115.5	-1.1
21	4.7	122.6	-0.8
22	2.5	200.4	-1.0

STOP TIME MAR 22,1985 HOUR 21 MINUTE 35

STARTING TIME MAR 23,1985 HOUR 0 MINUTE 38

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	0.8	299.5	-0.7
2	2.3	216.5	-1.0
3	3.6	252.0	-1.0
4	5.7	304.0	-1.4
5	5.0	329.4	-1.2
6	4.7	309.5	-1.3
7	4.6	287.0	-1.2
8	3.9	284.4	-0.8
9	5.5	287.8	-1.0
10	7.0	295.3	-1.6
11	7.5	300.2	-1.8
12	7.5	286.3	-2.0
13	9.4	284.0	-2.3
14	11.3	302.4	-2.2
15	11.3	306.5	-2.1
16	9.9	299.9	-1.9
17	9.9	316.6	-1.8
18	9.2	323.8	-1.7
19	9.5	313.9	-1.3
20	5.4	319.3	-1.0
21	2.1	283.8	0.2
22	3.2	286.1	0.8
23	1.8	304.4	1.2
24	2.4	294.2	1.5
1	3.8	288.0	0.6
2	4.1	305.4	-0.1
3	4.8	303.7	-0.2
4	7.7	290.8	-0.7
5	9.1	305.1	-1.1
6	7.4	304.8	-1.0
7	7.9	298.3	-1.0
8	7.8	296.1	-1.1

9	7.7	306.9	-1.5
10	8.8	319.3	-1.6
11	11.1	324.5	-2.0
12	7.7	333.4	-1.9
13	8.2	339.2	-2.2
14	7.6	338.5	-2.0
15	7.4	359.1	-2.1
16	7.2	14.4	-1.9
17	5.6	14.2	-1.8
18	4.8	13.7	-1.7
19	3.4	2.9	-1.7
20	2.8	19.1	-1.5
21	2.3	56.1	-1.4
22	1.8	96.4	-1.4
23	2.9	135.6	-1.3
24	3.9	122.1	-1.1
1	2.2	143.4	-0.4
2	2.4	129.5	-0.2
3	2.7	143.6	0.5
4	3.2	136.9	0.3
5	3.0	126.4	0.9
6	2.9	132.3	0.7
7	3.1	131.0	0.9
8	5.4	124.3	1.0

STOP TIME MAR 25,1985 HOUR 7 MINUTE 55

ERROR RELEASE NO. 8501311 PAST STOP

RELEASE NUMBER 85014 CONTAINMENT PURGE

STARTING TIME MAR 28,1985 HOUR 18 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	7.7	279.9	-1.5
19	5.3	273.1	-0.4
20	3.0	282.7	1.6
21	1.9	298.3	3.7
22	1.1	297.4	3.6
23	7.7	313.4	0.9
24	8.8	330.9	-1.0
1	2.6	279.3	1.3
2	1.6	296.6	3.6
3	0.8	306.3	3.5
4	7.5	307.9	1.0
5	8.0	330.1	-1.2
6	6.0	325.6	-1.2
7	8.7	328.0	-1.3
8	9.6	325.1	-1.3
9	8.9	323.4	-1.4
10	9.6	326.5	-1.5
11	10.0	326.5	-1.4
12	8.1	327.3	-1.5
13	7.8	332.6	-1.6
14	9.8	342.2	-1.8
15	8.6	337.8	-1.9
16	8.8	336.8	-1.9
17	11.4	346.9	-2.0
18	10.9	349.0	-2.0
19	9.8	328.5	-1.9
20	8.4	330.6	-1.8
21	8.8	338.8	-1.8
22	7.8	340.1	-1.7
23	7.7	336.5	-1.7
24	6.8	326.5	-1.5
1	6.6	327.0	-1.5
2	6.7	328.0	-1.5
3	5.9	325.7	-1.5
4	5.8	334.6	-1.5
5	7.3	347.6	-1.5
6	7.4	355.0	-1.5
7	6.8	2.7	-1.5
8	6.8	358.1	-1.5
9	6.0	353.3	-1.5
10	7.2	355.9	-1.5
11	7.1	352.3	-1.5
12	6.3	342.9	-1.6
13	7.1	342.3	-1.5
14	8.0	1.4	-1.6
15	8.6	0.3	-1.7
16	7.1	358.9	-1.5
17	4.0	345.0	-1.1
18	5.0	352.0	-1.1

19	7.2	354.6	-1.2
20	9.1	0.2	-1.3
21	8.3	355.6	-1.2
22	7.5	353.7	-1.0
23	6.4	356.6	-1.2
24	5.3	340.0	-1.3
1	5.3	328.7	-1.4
2	6.2	331.7	-1.2
3	5.8	331.4	-1.2
4	5.8	346.0	-1.2
5	6.2	340.7	-1.2
6	5.1	331.7	-1.4
7	4.8	327.9	-1.4
8	5.2	325.0	-1.4
9	5.5	326.3	-1.4
10	5.2	323.4	-1.4
11	5.5	323.3	-1.2
12	6.5	321.0	-1.0
13	7.1	308.7	-0.7
14	7.5	310.2	-0.9
15	9.1	304.9	-0.9
16	10.3	308.6	-1.1
17	12.2	304.7	-1.4
18	13.0	300.9	-1.5
19	14.1	295.7	-1.5
20	13.6	296.3	-1.4
21	13.8	298.8	-1.5
22	9.7	292.5	-1.4
23	5.3	268.1	-1.2
24	4.8	248.3	-0.6
1	8.3	242.2	0.3
2	6.8	256.2	-0.1
3	5.3	263.9	0.2
4	4.6	269.4	0.5
5	4.2	276.9	1.2
6	4.2	274.2	1.2
7	5.7	281.4	0.7
8	5.5	275.5	0.3

STOP TIME APR 1,1985 HOUR 7 MINUTE 40

RELEASE NUMBER 85015 CONTAINMENT PURGE

STARTING TIME APR 4,1985 HOUR 17 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	10.0	341.9	-1.7
18	9.8	342.1	-1.7
19	7.6	336.2	-1.8
20	7.3	331.3	-1.8
21	7.4	332.5	-1.7
22	7.0	329.6	-1.6
23	5.7	338.9	-1.6
24	6.3	337.0	-1.4
1	4.2	345.7	-1.0
2	1.2	330.4	-0.4
3	1.6	334.4	-0.5
4	2.3	292.2	-0.4
5	3.5	298.9	-0.1
6	5.7	300.3	0.7
7	3.7	292.2	0.8
8	1.8	275.7	0.8
9	1.3	266.4	0.3
10	1.4	280.3	-0.3
11	1.5	280.7	-0.3
12	3.1	267.1	-0.2
13	2.6	260.3	-1.1
14	2.2	257.1	-1.4
15	4.8	288.7	-1.6
16	4.5	294.1	-1.8
17	6.6	298.5	-1.9
18	9.1	285.2	-2.1
19	10.0	277.9	-1.8
20	9.3	273.3	-1.9
21	8.3	300.3	-1.7
22	9.6	300.4	-1.3
23	13.5	297.4	-1.5
24	9.5	300.6	-1.2
1	7.7	293.2	-1.1
2	5.4	282.9	-0.7
3	3.8	266.9	-0.3
4	3.9	265.6	0.5
5	6.6	262.7	-0.3
6	7.0	262.4	0.2
7	7.2	257.8	-0.3
8	7.5	261.2	0.1
9	6.8	254.8	0.3
10	10.0	240.6	0.7
11	7.4	256.0	-1.5
12	6.6	267.3	-1.9
13	5.2	269.9	-0.7
14	5.7	287.8	-1.6
15	5.4	256.2	-1.7
16	5.4	236.6	-1.6
17	5.6	253.4	-1.9

18	6.1	299.7	-2.0
19	7.0	288.0	-1.9
20	7.4	288.3	-2.0
21	7.7	274.4	-1.6
22	8.0	248.3	-1.6
23	5.8	294.0	-1 8
24	4.6	302.8	-1.3
1	3.1	282.0	-0.3
2	6.4	282.6	-0.6
3	8.0	278.6	-1.0
4	7.4	272.4	-0.9
5	8.9	277.0	-1.0
6	10.3	275.0	-0.8
7	11.6	283.5	-0.9
8	10.3	287.7	-0.6
9	8.6	286.4	-0.7
10	6.2	284.8	-0.7
11	5.3	281.1	-0.7
12	7.0	280.8	-0.9
13	8.6	288.6	-1.5
14	11.0	298.3	-1.9
15	10.7	293.2	-2.0
16	9.6	301.3	-2.1
17	10.1	298.9	-2.3
18	9.3	299.1	-2.3
19	9.5	292.2	-2.3
20	11.0	292.6	-2.2
21	10.1	299.5	-2.0
22	8.4	312.5	-1.9
23	6.1	305.9	-1.6
24	8.4	283.2	-1.4
1	5.1	266.8	-1.1
2	5.2	269.1	-1.1
3	4.5	299.0	-1.0
4	4.4	282.6	-0.6
5	7.3	291.1	-0.7
6	7.1	291.2	-0.8

STOP TIME APR 8,1985 HOUR 5 MINUTE 38

RELEASE NUMBER 85016 CONTAINMENT PURGE

STARTING TIME APR 11,1985 HOUR 16 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	11.0	155.8	-1.9
17	11.8	166.6	-2.1
18	13.1	162.2	-2.1
19	14.7	156.9	-2.1
20	15.2	154.6	-2.1
21	15.3	158.9	-2.0
22	14.6	159.5	-1.8
23	14.9	154.2	-1.6
24	10.9	152.3	-1.2
1	10.5	155.3	-0.7
2	11.6	155.0	-0.7
3	10.2	152.8	-0.9
4	10.8	154.9	-0.7
5	10.7	151.5	-0.6
6	9.7	158.3	-0.8
7	10.5	170.3	-0.8
8	12.0	174.3	-0.7
9	10.8	169.8	-0.6
10	10.1	165.5	-0.5
11	10.2	162.8	-0.5
12	12.0	160.9	-0.6
13	14.5	173.4	-1.3
14	16.1	177.6	-1.7
15	14.5	178.3	-1.8
16	14.1	176.6	-1.8
17	14.7	182.8	-2.0
18	15.4	201.6	-2.0
19	16.8	180.4	-1.9
20	16.8	181.9	-1.9
21	14.8	192.2	-0.8
22	9.1	181.5	1.8
23	10.6	185.8	0.9
24	11.0	180.5	0.3

STOP TIME APR 12,1985 HOUR 23 MINUTE 47

STARTING TIME APR 13,1985 HOUR 3 MINUTE 56

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
3	2.0	230.2	0.8
4	2.6	216.8	0.8
5	0.4	251.5	1.4
6	2.1	209.8	2.3
7	6.1	210.1	2.3
8	8.7	225.5	1.8
9	4.4	251.0	0.6
10	3.0	279.4	-0.3
11	6.6	304.8	-0.8
12	6.4	302.1	-1.2
13	6.3	284.5	-1.6
14	9.5	287.0	-1.6
15	10.2	290.8	-1.6
16	8.3	282.8	-1.6
17	7.8	298.9	-1.6
18	7.9	296.6	-1.6
19	10.7	298.2	-1.7
20	9.6	284.4	-1.6
21	8.2	279.3	-1.6
22	8.4	292.1	-1.5
23	7.9	284.6	-1.6
24	6.9	294.5	-1.4
1	8.0	304.9	-1.4
2	5.7	307.2	-1.4
3	3.2	304.5	-1.4
4	2.2	295.3	-1.4
5	1.9	280.9	-1.4
6	3.4	284.0	-1.4
7	3.8	280.3	-1.4
8	5.4	282.2	-1.4
9	5.1	275.4	-1.3
10	5.2	282.2	-1.4
11	6.1	287.9	-1.4
12	6.8	288.5	-1.3
13	7.3	299.4	-1.5
14	6.7	313.0	-1.6
15	5.6	311.5	-1.6
16	4.1	330.0	-1.8
17	4.5	347.7	-2.0
18	4.6	6.0	-2.1
19	4.0	4.8	-2.1
20	4.3	6.7	-2.0
21	3.2	22.2	-2.1
22	3.3	29.7	-2.0
23	4.3	69.2	-1.7
24	6.4	91.2	-1.2
1	5.0	96.3	-0.4
2	5.0	98.1	-0.2
3	4.5	100.7	-0.1

4	3.8	123.3	-0.5
5	3.6	132.4	0.2
6	5.9	155.1	0.4
7	4.7	164.6	-0.2
8	4.3	139.9	-0.2

STOP TIME APR 15,1985 HOUR 7 MINUTE 21

RELEASE NUMBER 85017 CONTAINMENT PURGE

STARTING TIME APR 18,1985 HOUR 18 MINUTE 13

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	18.1	186.8	-1.4
19	15.7	181.8	-1.1
20	14.9	182.0	-1.0
21	15.3	180.9	-0.9
22	17.8	183.9	-1.0
23	18.5	190.5	-1.0
24	17.3	194.7	-1.0
1	17.6	190.4	-0.9
2	17.2	188.0	-1.0
3	17.3	183.3	-0.9
4	16.4	182.0	-0.9
5	15.8	177.1	-0.9
6	15.9	178.2	-0.9
7	13.3	169.2	-1.0
8	15.8	165.7	-1.4
9	20.4	172.9	-1.6
10	20.4	174.1	-1.8
11	21.5	167.3	-1.9
12	23.5	168.5	-2.0
13	23.7	163.6	-2.0
14	22.7	153.4	-2.0
15	24.5	158.5	-1.9
16	23.2	162.6	-1.6
17	22.9	152.8	-1.4
18	21.7	150.0	-1.3
19	24.7	151.5	-1.2
20	19.3	155.5	-0.9
21	13.9	139.7	-0.7
22	17.0	144.1	-0.7
23	22.3	150.1	-0.9
24	24.9	165.5	-1.0
1	21.8	183.3	-0.9
2	15.6	196.7	-0.8
3	17.2	211.0	-0.8
4	14.0	208.1	-0.7
5	12.7	192.0	-0.4
6	14.2	206.6	-0.1
7	6.7	222.5	0.1
8	3.1	270.2	-1.2
9	3.2	295.4	-1.8
10	2.6	288.4	-1.8
11	5.1	45.4	-2.0
12	6.0	63.5	-1.7
13	10.5	84.6	-1.7
14	11.5	49.5	-1.9
15	15.5	149.6	-1.8
16	13.7	152.6	-1.6
17	14.6	168.1	-1.3
18	14.0	175.9	-1.3

19	10.4	159.5	-0.7
20	11.8	151.1	-0.7
21	14.0	166.1	-0.9
22	18.8	162.9	-0.9
23	16.5	167.3	-1.0
24	18.0	168.5	-1.0
1	18.4	167.6	-1.0
2	15.3	165.8	-1.0
3	10.9	179.0	-1.1
4	7.1	149.5	-1.1
5	8.2	134.2	-1.1
6	8.2	125.1	-0.7
7	10.4	123.8	-0.9
8	14.0	135.7	-1.3
9	18.0	148.6	-1.6
10	18.9	152.2	-1.7
11	20.7	156.1	-1.8
12	21.2	159.9	-2.0
13	22.9	163.9	-2.0
14	22.3	160.7	-2.0
15	23.6	163.7	-2.0
16	22.8	161.4	-1.9
17	22.1	162.9	-1.6
18	21.9	160.4	-1.3
19	19.9	156.2	-1.2
20	19.5	153.4	-1.1
21	22.4	155.3	-1.1
22	23.4	163.3	-1.1
23	17.5	162.0	-1.1
24	13.3	153.7	-1.1
1	14.2	148.8	-1.2
2	15.9	193.3	-1.1
3	7.5	143.8	-0.7
4	9.0	128.2	-0.7
5	5.2	190.0	0.4
6	4.2	150.7	-0.4
7	2.5	318.0	0.1
8	5.3	115.4	-1.0

STOP TIME APR 22,1985 HOUR 7 MINUTE 30

RELEASE NUMBER 85018 CONTAINMENT PURGE

STARTING TIME APR 25,1985 HOUR 16 MINUTE 40

TIME HOUR	wS10 MPH	WD10 DEG	DT100 DEG C
16	6.8	31.5	-1.4
17	6.4	23.1	-1.3
18	7.3	29.7	-1.2
19	6.0	33.7	-1.3
20	4.8	27.6	-1.2
21	5.2	41.8	-1.2
22	5.7	33.9	-1.2
23	6.0	26.6	-1.2
24	5.6	29.2	-1.2
1	4.6	24.2	-1.2
2	4.8	19.2	-1.1
3	4.6	50.3	-1.2
4	5.4	39.2	-1.2
5	4.6	33.3	-1.2
6	4.5	26.1	-1.1
7	6.9	54.1	-1.1
8	8.4	60.5	-1.2
9	8.7	63.3	-1.2
10	6.3	50.7	-1.2
11	4.3	294.0	-1.2
12	4.0	47.6	-1.2
13	6.4	43.5	-1.4
14	5.9	33.7	-1.4
15	6.8	51.4	-1.6
16	5.0	32.0	-1.4
17	4.8	355.5	-1.4
18	5.3	351.8	-1.4
19	4.4	343.5	-1.2
20	5.6	330.8	-1.3
21	5.1	347.8	-1.3
22	5.2	5.2	-1.3
23	5.0	352.0	-1.3
24	5.5	331.7	-1.4
1	5.8	325.7	-1.3
2	5.8	320.7	-1.3
3	5.8	312.3	-1.3
4	5.4	312.6	-1.3
5	7.5	310.9	-1.2
6	5.7	310.1	-1.2
7	6.1	313.3	-1.2
8	4.9	324.3	-1.4
9	4.8	322.0	-1.5
10	4.4	324.6	-1.7
11	6.8	317.7	-1.8
12	7.2	321.5	-1.9
13	5.3	319.1	-1.9
14	5.3	308.1	-1.9
15	4.1	313.0	-1.8
16	3.0	306.6	-1.7

17	2.9	338.4	-1.6
18	1.6	346.8	-1.5
19	1.6	213.1	-1.3
20	3.3	237.5	-0.7
21	3.6	232.6	-0.5
22	2.3	240.2	0.1
23	1.0	240.7	0.7
24	1.1	266.8	0.9
1	0.6	168.5	1.6
2	-99.0	-99.0	-99.0
3	0.8	311.4	2.1
4	1.0	335.0	2.4
5	1.3	136.4	3.2
6	1.4	126.0	3.0
7	2.9	185.2	2.0
8	2.4	300.7	0.8

STOP TIME APR 28,1985 HOUR 7 MINUTE 39

STARTING TIME APR 28,1985 HOUR 12 MINUTE 11

TIME HOUR	WS10. MPH	WD10 DEG	DT100 DEG C
12	8.6	123.9	-1.7
13	7.3	115.4	-1.9
14	6.4	190.9	-1.9
15	5.9	117.9	-1.9
16	7.0	113.0	-1.7
17	7.3	116.7	-1.8
18	6.2	139.7	-1.7
19	7.2	125.4	-1.6
20	4.3	126.3	-1.1
21	2.1	127.6	0.6
22	1.8	171.0	2.0

STOP TIME APR 28,1985 HOUR 21 MINUTE 40

STARTING TIME APR 29,1985 HOUR 3 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
3	4.2	117.9	1.6
4	3.1	114.1	1.7
5	3.1	106.2	1.0
6	4.5	113.1	0.5
7	3.4	108.3	0.1
8	3.5	119.2	-0.4
9	6.8	124.8	-1.2
10	8.1	117.6	-1.5

STOP TIME APR 29,1985 HOUR 9 MINUTE 35

RELEASE NUMBER 85019 CONTAINMENT PURGE

STARTING TIME MAY 2,1985 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	4.2	285.8	-1.8
19	4.4	186.4	-1.7
20	2.7	141.0	-1.1
21	1.3	130.1	2.1
22	1.6	126.3	3.3
23	3.2	115.8	4.1
24	3.3	132.4	4.7
1	6.0	156.1	3.4
2	7.0	175.7	3.0
3	8.9	181.8	3.4
4	7.4	184.9	3.5
5	6.7	177.4	3.8
6	6.0	166.6	3.8
7	5.5	163.5	2.9
8	8.2	162.3	1.9
9	9.3	174.5	-0.7
10	12.5	181.6	-1.6
11	13.2	185.5	-1.9
12	14.9	179.8	-1.9
13	14.5	175.1	-2.0
14	15.7	170.3	-2.1
15	17.1	166.0	-2.0
16	16.2	166.6	-2.0
17	15.3	170.2	-1.9
18	14.8	172.3	-1.7
19	12.3	164.8	-1.4
20	10.5	161.0	-1.1
21	9.3	159.7	-0.7
22	9.2	153.6	-0.7
23	9.9	154.3	-0.7
24	11.5	158.6	-0.7
1	8.9	155.0	-0.8
2	8.6	150.5	-0.8
3	9.5	150.6	-0.9
4	10.8	153.4	-0.8
5	11.1	163.2	-0.9
6	10.1	162.2	-0.9
7	11.5	152.6	-0.9
8	10.6	165.2	-0.9
9	10.8	162.4	-1.0
10	9.8	155.2	-0.8
11	12.2	154.1	-0.9
12	14.2	154.3	-1.2
13	17.4	162.8	-1.4
14	18.2	166.9	-1.7
15	21.6	168.9	-1.8
16	19.0	166.3	-2.1
17	21.4	168.1	-2.0
18	20.4	180.8	-2.0

19	18.9	187.7	-2.1
20	17.9	192.5	-2.1
21	16.5	193.4	-1.9
22	16.0	185.7	-1.7
23	11.1	186.4	-1.5
24	9.3	173.4	-1.3
1	10.1	166.0	-1.0
2	9.5	172.9	-0.9
3	7.0	171.5	-0.9
4	7.9	168.7	-0.7
5	10.9	180.8	-0.9
6	11.7	182.6	-0.9
7	10.4	191.9	-0.9
8	3.9	194.9	-0.8
9	3.0	123.3	-0.8
10	5.2	153.6	-0.6
11	6.6	152.3	-1.0
12	3.6	146.1	-1.0
13	0.9	285.5	-1.5
14	2.8	315.3	-1.3
15	3.5	62.8	-1.4
16	3.9	38.1	-1.8
17	5.7	27.4	-2.0
18	6.1	32.5	-2.1
19	5.3	33.1	-2.2
20	5.5	61.9	-2.0
21	4.7	67.1	-1.9
22	3.7	87.5	-1.8
23	2.4	113.8	-1.7
24	1.7	123.2	-1.6
1	0.5	154.8	-0.3
2	2.0	144.1	0.6
3	0.5	243.2	1.2
4	2.0	281.0	2.0
5	5.1	299.9	0.7
6	6.4	303.0	-0.4
7	4.8	310.1	-0.8
8	1.6	272.4	-0.1
9	0.9	256.6	0.6
10	1.5	263.9	1.4

STOP TIME MAY 6,1985 HOUR 9 MINUTE 7

RELEASE NUMBER 85020 CONTAINMENT PURGE

STARTING TIME MAY 9,1985 HOUR 18 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	16.2	201.5	0.7
19	16.3	197.7	-2.1
20	15.4	193.2	-2.1
21	16.7	184.3	-2.0
22	16.1	194.2	-1.7
23	14.5	199.0	-1.4
24	12.7	197.2	-1.3
1	9.7	181.1	-1.1
2	10.6	186.8	-1.0
3	12.7	188.1	-1.0
4	11.5	181.1	-1.0
5	12.6	184.0	-1.0
6	12.0	181.9	-1.1
7	9.7	171.4	-1.0
8	8.8	155.4	-1.0
9	10.1	156.6	-1.0
10	10.4	166.2	-1.0
11	12.8	174.5	-1.1
12	15.1	176.8	-1.1
13	15.3	178.0	-1.4
14	15.8	177.3	-1.4
15	14.3	177.2	-1.5
16	14.1	171.9	-1.7
17	14.9	170.9	-1.7
18	13.9	168.8	-1.6
19	17.0	167.8	-1.7
20	17.0	160.9	-1.7
21	18.8	166.6	-1.8
22	17.0	165.8	-1.7
23	17.9	163.9	-1.5
24	17.1	165.8	-1.3
1	15.0	162.0	-1.2
2	17.6	164.7	-1.3
3	16.8	165.4	-1.2
4	15.1	160.1	-1.2
5	13.6	185.2	-1.1
6	10.7	190.9	-0.9
7	10.2	156.5	1.1
8	10.9	136.1	-0.5
9	12.9	147.3	-0.5
10	16.2	160.7	-1.0
11	16.1	159.8	-1.1
12	17.9	160.6	-1.2
13	18.9	164.0	-1.4
14	21.0	162.3	-1.5
15	21.2	171.3	-1.6
16	22.4	172.3	-1.8
17	22.0	176.0	-2.0
18	20.1	206.6	-1.9

19	18.5	213.0	-2.1
20	19.0	208.3	-1.9
21	19.9	237.3	-0.3
22	7.2	231.6	-0.6
23	15.4	227.0	-1.0
24	8.8	178.3	-0.9
1	10.8	202.9	-0.9
2	11.4	229.3	-1.3
3	14.7	244.9	-1.1
4	9.8	262.9	-0.9
5	8.5	262.2	-0.8
6	8.2	257.7	-0.8
7	8.6	253.1	-0.7
8	12.5	252.8	-0.8
9	7.5	262.4	-0.7
10	4.6	277.5	-0.6
11	4.2	271.6	-0.7
12	7.2	258.3	-1.2
13	7.1	287.7	-1.8
14	11.3	300.2	-1.9
15	11.9	308.1	-2.4
16	9.8	304.4	-2.6
17	11.0	310.4	-2.8
18	9.0	311.2	-2.9
19	9.2	315.5	-2.8
20	7.3	310.5	-2.6
21	5.8	324.5	-2.5
22	4.8	331.6	-2.2

STOP TIME MAY 12,1985 HOUR 21 MINUTE 45

STARTING TIME MAY 13,1985 HOUR 1 MINUTE 42

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	1.3	316.2	2.1
2	0.4	267.7	1.6
3	0.2	204.8	2.1
4	0.7	290.7	2.3
5	0.6	161.0	2.1
6	2.6	126.0	0.8
7	0.6	125.6	1.4
8	0.9	284.0	1.9

STOP TIME MAY 13,1985 HOUR 7 MINUTE 41

RELEASE NUMBER 85021 CONTAINMENT PURGE

STARTING TIME MAY 16,1985 HOUR 18 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	11.7	332.9	-1.7
19	10.5	334.4	-1.8
20	11.2	333.0	-2.0
21	12.7	334.4	-1.9
22	11.3	335.5	-1.8
23	8.2	338.8	-1.5
24	7.4	337.8	-1.2
1	4.5	337.0	-0.5
2	3.2	311.5	1.2
3	3.6	319.6	0.6
4	3.2	317.1	0.7
5	3.7	317.6	0.6
6	2.8	312.9	1.1
7	2.0	315.3	0.5
8	4.7	327.2	0.1
9	4.0	322.7	0.5
10	4.0	330.5	0.4
11	2.4	315.4	0.3
12	2.2	310.2	-0.3
13	3.2	336.7	-1.7
14	4.3	344.5	-2.0
15	5.2	340.2	-2.0
16	5.8	341.4	-2.3
17	7.8	341.4	-2.3
18	7.0	349.0	-2.3
19	7.1	356.1	-2.2
20	6.7	349.3	-2.2
21	6.6	1.4	-2.1
22	6.1	2.5	-2.0
23	6.3	3.9	-1.8
24	5.1	2.6	-1.4

STOP TIME MAY 17,1985 HOUR 23 MINUTE 46

STARTING TIME MAY 18,1985 HOUR 8 MINUTE 51

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	0.9	10.5	3.0
9	1.3	319.4	1.9
10	0.8	0.6	1.8
11	0.3	174.5	2.7
12	0.5	280.0	0.3
13	1.4	284.2	-1.8
14	2.3	273.3	-2.0
15	2.5	302.8	-2.1
16	3.1	325.8	-2.3
17	2.8	329.1	-2.1
18	3.0	281.8	-2.0
19	3.0	274.7	-2.0
20	3.5	217.7	-1.9
21	3.9	221.1	-1.8
22	4.3	221.6	-1.7
23	5.0	211.5	-1.6
24	4.7	204.6	-1.1
1	5.6	196.7	0.3
2	6.3	203.4	1.4
3	7.3	218.9	2.0
4	7.2	218.7	2.4
5	8.1	218.3	1.4
6	8.6	221.1	1.0
7	8.6	218.2	1.9
8	7.1	211.0	2.8
9	8.5	220.2	2.8
10	9.4	219.1	3.2
11	10.0	212.0	2.4
12	10.5	208.2	1.6
13	12.5	216.6	-1.1
14	12.1	225.3	-1.7
15	11.7	226.8	-1.9
16	11.1	218.1	-2.1
17	11.9	217.1	-2.1
18	11.7	223.7	-2.0
19	13.0	224.1	-1.7
20	11.1	223.8	-1.6
21	11.0	213.2	-2.0
22	10.6	199.5	-1.4
23	13.8	212.4	-1.3
24	11.1	205.6	-0.8
1	8.7	220.7	-0.6
2	5.0	210.2	0.3
3	7.8	17.0	-0.9
4	3.5	28.0	-1.0

STOP TIME MAY 20,1985 HOUR 3 MINUTE 40

RELEASE NUMBER 85022 CONTAINMENT PURGE

STARTING TIME MAY 23,1985 HOUR 18 MINUTE 18

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	10.9	207.7	-2.1
19	11.4	196.1	-2.0
20	11.8	185.2	-2.0
21	12.7	183.3	-1.9
22	12.6	176.0	-1.5
23	7.8	139.4	-1.1
24	7.2	158.5	-0.1
1	2.2	106.9	0.8
2	6.3	94.1	-0.6
3	6.2	102.1	-1.1
4	2.7	58.9	-0.8
5	4.6	99.4	-0.8
6	2.8	139.3	-0.4
7	1.1	163.0	0.1
8	1.8	333.3	0.3
9	1.6	277.6	0.6
10	1.5	298.9	0.7
11	1.7	304.1	0.6
12	1.9	314.5	-0.8
13	2.8	345.9	-1.5
14	4.2	0.4	-1.8
15	5.2	0.2	-1.9
16	4.7	14.9	-2.0
17	5.4	19.3	-2.0
18	5.8	349.8	-2.1
19	5.5	1.9	-2.1
20	4.6	1.1	-2.0
21	4.7	37.3	-1.9
22	5.0	78.8	-1.7
23	4.5	65.3	-1.7

STOP TIME MAY 24,1985 HOUR 22 MINUTE 0

STARTING TIME MAY 25,1985 HOUR 8 MINUTE 38

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
8	1.0	171.1	5.1
9	2.5	130.5	5.6
10	0.9	276.0	6.1
11	1.9	124.0	5.5
12	1.4	123.0	2.2
13	3.6	125.3	-0.7
14	6.7	204.0	-1.6
15	7.9	219.3	-1.8
16	8.1	206.8	-1.9
17	8.2	197.2	-1.9
18	9.6	196.7	-2.0
19	10.5	183.8	-2.0
20	10.0	194.2	-2.0
21	10.6	203.8	-1.9
22	11.8	196.0	-1.7
23	12.2	186.4	-1.4
24	10.7	177.7	-1.0
1	9.1	171.9	-0.3
2	10.6	174.3	-0.0
3	14.5	183.8	-0.3
4	14.8	191.1	-0.2
5	14.6	192.1	-0.4
6	12.5	194.5	-0.3
7	4.9	344.6	-0.4
8	5.9	201.3	-0.1
9	4.7	151.1	0.8
10	5.7	141.6	1.6
11	2.7	110.5	0.8
12	2.1	140.8	-0.4
13	3.9	200.2	-1.5
14	4.7	220.6	-1.7
15	2.6	283.2	-1.5
16	4.8	355.6	-1.8
17	5.2	355.9	-1.9
18	3.5	20.0	-1.5
19	4.2	105.2	-1.4
20	6.9	120.9	-1.6
21	4.9	116.3	-1.8
22	4.0	100.0	-1.6
23	5.1	349.1	-0.6
24	6.6	350.9	-1.2
1	2.9	20.8	-0.8
2	3.9	27.7	-0.8
3	5.1	7.6	-1.0
4	7.3	337.0	-0.7
5	7.3	343.5	-1.1
6	4.2	20.2	-1.0
7	1.8	15.5	-0.8
8	2.7	9.2	-0.8

9	5.5	342.2	-1.0
10	6.5	342.7	-1.1
11	5.7	341.6	-1.2
12	7.0	354.3	-1.2
13	5.1	2.7	-1.4
14	5.5	353.0	-1.5
15	5.9	351.8	-1.5
16	5.5	2.9	-1.7
17	4.3	3.4	-1.7
18	4.2	6.9	-1.9
19	4.9	349.8	-1.9
20	3.9	11.2	-1.9
21	3.6	45.2	-2.1
22	3.1	26.4	-1.8
23	2.2	31.3	-1.6
24	2.7	143.3	-1.3
1	2.0	188.5	0.9

STOP TIME MAY 28,1985 HOUR 0 MINUTE 26

RELEASE NUMBER 85023 CONTAINMENT PURGE

STARTING TIME MAY 31,1985 HOUR 12 MINUTE 8

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	7.1	280.4	-1.3
13	9.0	306.5	-1.8
14	10.9	311.5	-1.8
15	10.3	322.0	-2.1
16	11.1	324.7	-2.2
17	12.3	331.4	-2.6
18	9.4	331.4	-2.2
19	8.5	329.2	-2.5
20	8.3	327.9	-2.7
21	7.3	327.5	-2.5
22	5.5	326.1	-2.3
23	4.1	322.3	-2.0
24	2.4	310.5	-1.5
1	0.9	277.1	0.5
2	1.1	219.3	3.2

STOP TIME JUNE 1,1985 HOUR 1 MINUTE 45

STARTING TIME JUNE 1,1985 HOUR 4 MINUTE 26

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
4	1.2	157.0	5.4
5	1.4	95.8	5.4
6	0.9	117.9	7.0
7	2.5	112.8	5.8
8	3.0	118.3	4.1
9	5.7	153.4	2.7
10	9.3	200.7	2.9
11	8.0	188.7	0.7
12	9.1	165.0	2.1
13	12.2	163.9	-0.1
14	11.3	166.6	-1.2
15	8.8	159.5	-1.4
16	15.7	158.4	-1.8
17	14.7	164.5	-1.9
18	14.0	166.3	-2.0
19	11.4	174.4	-1.8
20	4.1	159.8	-1.6
21	2.7	156.2	-1.5
22	4.5	344.8	-1.9
23	9.7	352.8	-1.6
24	10.6	350.0	-1.5
1	9.6	0.0	-1.3
2	9.2	18.4	-1.3
3	8.0	17.9	-1.1

4	7.3	15.8	-1.1
5	5.7	15.3	-0.9
6	5.4	11.9	-1.1
7	5.2	12.7	-1.0
8	4.4	14.5	-1.0
9	5.4	2.9	-1.0
10	6.5	6.6	-0.7
11	8.8	2.4	-1.2
12	8.7	3.8	-1.3
13	7.6	54.5	-1.4
14	10.1	114.9	-1.5
15	9.7	106.9	-1.7
16	7.2	38.6	-2.1
17	7.5	24.8	-2.3
18	6.5	26.9	-2.4
19	6.2	51.0	-2.3
20	5.1	36.0	-2.2
21	4.9	38.2	-2.2
22	5.3	22.3	-1.9
23	6.1	11.3	-1.6
24	4.7	21.4	-1.4
1	4.3	12.5	-1.1
2	3.3	9.2	-0.4
3	2.7	12.0	-0.2
4	1.5	14.3	-0.1
5	1.8	98.7	-0.2
6	1.6	21.5	-0.6
7	1.9	25.6	-0.5
8	2.2	30.2	-0.7
9	2.4	12.6	-0.6
10	2.1	25.0	-0.5
11	2.1	57.3	-0.6
12	3.5	75.4	-1.3
13	5.6	94.5	-1.6
14	9.2	108.1	-1.8
15	8.7	111.5	-1.6
16	8.2	94.9	-2.0
17	7.1	91.9	-2.1
18	6.6	94.8	-2.2
19	6.9	106.2	-2.0
20	6.5	113.0	-1.9
21	6.7	102.4	-2.0
22	6.9	90.1	-1.8
23	6.2	96.7	-1.4
24	5.2	84.6	-1.2
1	5.2	93.8	-1.1
2	6.7	96.8	-1.0
3	4.5	94.7	-1.0
4	3.0	73.1	-0.1
5	2.7	77.2	-0.1
6	2.6	273.4	0.5
7	3.7	53.6	-0.4
8	3.1	54.5	-0.8

STOP TIME JUNE 4,1985 HOUR 7 MINUTE 40

RELEASE NUMBER 85024 CONTAINMENT PURGE

STARTING TIME JUNE 7,1985 HOUR 16 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	6.6	202.6	-1.9
17	7.6	192.7	-1.9
18	7.8	193.9	-1.9
19	3.7	195.5	-1.8
20	9.0	181.7	-1.8
21	9.4	188.5	-1.7
22	8.1	187.2	-1.6
23	6.9	197.3	-1.3
24	6.0	205.7	-0.9
1	4.6	198.6	0.2
2	5.1	195.8	1.2
3	6.4	190.2	1.6
4	6.1	186.4	1.2
5	5.9	183.7	0.8
6	7.9	180.0	0.9
7	9.9	188.9	0.7
8	9.3	185.3	0.7
9	7.8	185.2	0.5
10	3.3	150.2	-0.3
11	4.7	154.1	-0.6
12	5.6	164.8	-1.3
13	8.7	186.4	-1.6
14	13.4	202.6	-1.6
15	13.3	196.8	-1.6
16	11.0	200.4	-1.7
17	13.5	207.3	-1.7
18	14.9	221.3	-1.7
19	14.0	237.2	-1.9
20	12.6	235.7	-1.8
21	9.2	250.1	-1.8
22	9.5	330.9	-1.8
23	9.0	349.2	-1.1
24	8.3	345.9	-0.7
1	7.3	351.5	-0.6
2	8.5	352.0	-0.7
3	6.3	1.0	-0.7
4	7.0	352.7	-0.7
5	2.9	332.5	0.5
6	2.9	312.8	2.0
7	3.3	332.5	1.7
8	3.3	342.1	0.6
9	2.6	3.3	0.5

STOP TIME JUNE 9,1985 HOUR 8 MINUTE 49

STARTING TIME JUNE 9,1985 HOUR 9 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT10G DEG C
9	2.6	3.3	0.5
10	4.3	332.0	0.4
11	3.2	335.5	0.1
12	2.4	281.9	0.6
13	2.2	69.0	0.2
14	4.6	27.6	-1.4
15	7.6	12.5	-1.6
16	7.2	10.8	-1.7
17	6.3	352.3	-1.9
18	6.1	349.2	-1.6
19	6.1	9.0	-1.6
20	4.6	30.5	-1.9
21	6.5	38.4	-2.0
22	5.6	44.6	-1.8

STOP TIME JUNE 9,1985 HOUR 21 MINUTE 43

RELEASE NUMBER 85025 CONTAINMENT PURGE

STARTING TIME JUNE 13,1985 HOUR 20 MINUTE 16

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	11.8	176.8	-1.8
21	11.2	153.4	-1.6
22	9.3	168.5	-1.4
23	6.6	166.9	-1.1
24	6.2	151.7	-1.0
1	6.1	146.3	-0.5

STOP TIME JUNE 14,1985 HOUR 0 MINUTE 28

RELEASE NUMBER 85026 CONTAINMENT PURGE

STARTING TIME JUNE 14,1985 HOUR 16 MINUTE 58

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	12.3	197.4	-1.6
17	6.5	183.4	-1.5
18	5.3	201.7	-1.3
19	5.0	210.0	-1.1
20	7.5	227.8	-1.1
21	11.4	243.0	-1.3
22	13.1	238.4	-1.6
23	8.2	248.7	-1.1
24	9.9	249.2	-0.4
1	6.7	272.2	0.2
2	4.7	281.6	0.0
3	3.0	311.1	0.9
4	3.2	312.2	0.8
5	2.2	325.7	2.7
6	2.5	334.6	3.6
7	2.0	319.5	3.3
8	1.9	314.0	2.3
9	1.8	330.4	2.0
10	2.1	316.8	1.5
11	2.6	325.1	1.1
12	3.1	323.2	-0.6
13	3.8	336.9	-1.6
14	3.6	329.8	-1.9
15	5.4	340.5	-2.0
16	7.3	346.8	-2.0
17	7.1	336.5	-2.1
18	6.2	326.9	-2.3
19	6.2	334.5	-2.1
20	6.9	327.5	-2.2
21	7.1	332.7	-2.1
22	5.3	332.9	-2.0
23	3.1	316.9	-1.5
24	1.8	3.2	-0.5
1	1.8	181.2	0.7
2	2.6	137.8	2.4
3	4.1	142.7	2.4
4	3.9	138.2	3.0
5	5.3	152.4	3.2
6	2.7	136.4	2.4
7	2.9	165.0	2.7
8	2.4	154.9	3.7
9	8.2	188.9	2.1
10	9.9	202.7	1.0
11	5.7	174.0	0.2
12	11.2	202.0	-0.5
13	14.1	218.0	-1.0
14	13.7	209.5	-1.4
15	12.1	212.2	-1.4
16	9.8	218.0	-1.3

17	8.2	231.0	-1.3
18	13.2	236.8	-1.6
19	12.1	250.7	-1.9
20	7.1	264.6	-2.0
21	3.8	312.4	-2.0
22	3.0	324.7	-1.8
23	4.4	352.8	-1.0
24	5.6	10.4	-0.9
1	7.4	11.2	-0.6
2	2.3	352.2	0.1
3	5.4	352.9	-0.5
4	3.8	17.6	-0.5
5	2.3	27.1	-0.4
6	5.5	354.4	-0.7
7	5.8	360.0	-0.7
8	4.6	340.7	2.1
9	2.3	269.6	1.1
10	1.6	266.8	0.9
11	2.0	307.4	2.6
12	2.1	319.9	1.9
13	2.3	306.2	-0.7
14	4.3	325.7	-1.9
15	7.9	328.3	-2.2
16	10.7	317.9	-2.2
17	9.5	312.5	-2.5

STOP TIME JUNE 17,1985 HOUR 16 MINUTE 43

RELEASE NUMBER 85027 CONTAINMENT PURGE

STARTING TIME JUNE 20,1985 HOUR 16 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	15.8	183.3	-1.7
17	14.8	179.9	-1.8
18	14.5	177.1	-1.8
19	15.4	181.7	-1.7
20	15.0	177.7	-1.6
21	13.4	180.4	-1.4
22	13.4	185.4	-1.1
23	12.9	190.5	-0.9
24	10.9	192.7	-0.7
1	10.1	189.5	-0.3
2	11.2	186.0	-0.2
3	15.5	184.1	-0.7
4	15.2	185.2	-0.7
5	15.8	186.6	-0.8
6	17.3	197.2	-0.8
7	20.9	207.6	-0.8
8	17.0	193.8	-0.7
9	9.7	212.7	-0.8
10	12.2	198.4	-0.5
11	10.4	185.2	-0.3
12	9.5	187.9	-0.6
13	9.1	183.1	-1.2
14	16.1	202.6	-1.4
15	19.0	215.6	-1.6
16	17.4	220.9	-1.7
17	16.4	225.2	-1.7
18	17.1	234.7	-1.7
19	11.3	258.0	-1.1
20	8.1	327.3	-1.5
21	9.0	322.1	-1.8
22	10.5	326.1	-1.3
23	10.5	329.8	-1.2
24	12.1	331.3	-1.3
1	10.3	338.3	-0.9
2	7.9	341.2	-0.7
3	1.5	292.4	0.5
4	0.7	293.0	1.9
5	3.3	269.0	1.5
6	2.1	291.7	1.3
7	4.2	273.3	0.6
8	6.1	287.2	0.4
9	11.2	253.7	1.3
10	11.2	262.6	1.0
11	11.4	254.3	0.9
12	12.4	256.9	-0.1
13	9.2	261.9	-1.4
14	9.1	268.4	-2.0
15	8.4	265.9	-2.1
16	8.7	272.5	-2.4

17	9.1	268.1	-2.5
18	7.9	267.9	-2.3
19	9.0	245.8	-2.1
20	9.9	241.6	-2.0
21	10.5	232.0	-1.8
22	10.7	217.3	-1.5
23	8.3	210.8	-1.2
24	7.1	201.7	-0.5
1	8.3	204.3	-0.2
2	7.8	194.2	0.2
3	8.9	189.1	0.2
4	12.9	191.1	-0.2
5	13.5	192.6	-0.4
6	14.3	195.5	-0.5
7	14.3	197.1	-0.6
8	13.4	197.0	-0.6
9	8.9	187.8	-0.5
10	6.7	172.0	-0.6
11	4.3	302.8	-0.0
12	5.5	137.2	2.8
13	7.4	150.5	2.6
14	7.5	162.6	0.3
15	3.1	132.9	0.4
16	6.2	135.5	-0.6
17	8.7	148.5	-1.4
18	9.7	141.9	-1.7
19	5.9	115.0	-1.3
20	5.3	104.0	-1.5
21	5.9	87.1	-1.8
22	7.2	93.0	-1.5
23	8.6	103.1	-1.2
24	8.6	92.4	-0.8
1	5.5	97.8	-0.7
2	5.2	104.5	-0.8
3	4.2	125.6	-0.8
4	2.7	98.3	-0.5
5	1.2	88.7	-0.2
6	1.0	269.2	0.1
7	0.9	144.6	0.4
8	3.2	142.0	0.5
9	4.0	144.8	1.2
10	6.8	179.6	0.7

STOP TIME JUNE 24,1985 HOUR 9 MINUTE 55

RELEASE NUMBER 85028 CONTAINMENT PURGE

STARTING TIME JUNE 27,1985 HOUR 14 MINUTE 51

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	6.0	315.7	-2.2
15	6.4	326.3	-2.4
16	5.2	319.0	-2.3
17	5.4	313.7	-2.5
18	5.3	313.6	-2.5
19	6.0	310.6	-2.5
20	5.4	328.5	-2.3
21	4.7	326.8	-2.0
22	4.3	344.1	-1.7

STOP TIME JUNE 27,1985 HOUR 21 MINUTE 45

STARTING TIME JUNE 28,1985 HOUR 6 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	1.5	278.3	2.3
7	1.2	276.9	2.3
8	1.1	295.1	1.5
9	1.1	281.3	1.9
10	1.9	310.3	2.0
11	1.3	337.3	-2.1
12	2.3	344.3	-1.5
13	3.6	13.9	-1.9
14	3.8	0.7	-2.2
15	4.0	341.5	-2.2
16	4.9	2.3	-2.2
17	4.3	7.2	-2.2
18	4.2	15.4	-2.2
19	4.0	5.6	-2.0
20	3.2	5.1	-2.0
21	4.3	357.4	-1.9
22	4.2	50.6	-1.6

STOP TIME JUNE 28,1985 HOUR 21 MINUTE 57

STARTING TIME JUNE 29,1985 HOUR 9 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	1.8	302.8	2.0
10	1.4	301.9	2.2
11	1.0	279.9	0.1
12	2.0	70.8	-1.6
13	3.3	110.1	-1.6
14	5.1	101.4	-1.7
15	6.7	113.7	-1.8
16	5.1	105.5	-2.1
17	6.3	115.6	-1.9
18	5.6	117.3	-2.0
19	5.3	121.2	-1.9
20	4.8	94.2	-2.0
21	4.8	116.8	-1.7
22	4.4	104.1	-1.4
23	4.3	104.9	-0.9
24	2.9	124.0	0.2
1	4.2	124.6	0.3
2	4.0	143.7	0.2

STOP TIME JUNE 30,1985 HOUR 1 MINUTE 36

RELEASE NUMBER 85001 DECAY TANK PURGE

STARTING TIME JAN 10,1985 HOUR 17 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	5.1	321.2	-1.8
18	5.3	312.8	-1.7
19	6.7	317.7	-1.5
20	7.3	319.7	-1.4
21	4.7	312.7	-0.8
22	5.7	309.2	-1.1
23	8.1	307.8	-1.3
24	8.0	314.0	-1.4
1	8.1	314.4	-1.4

STOP TIME JAN 11,1985 HOUR 0 MINUTE 8

RELEASE NUMBER 85002 DECAY TANK PURGE

STARTING TIME JAN 11,1985 HOUR 1 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	8.1	314.4	-1.4
2	9.0	314.7	-1.2
3	8.1	317.7	-0.9
4	7.6	317.9	-0.6
5	5.4	323.8	-0.5
6	7.3	323.1	-0.9
7	9.6	321.2	-1.1
8	9.8	321.8	-1.1
9	8.1	325.9	-1.2

STOP TIME JAN 11,1985 HOUR 8 MINUTE 10

RELEASE NUMBER 85003 DECAY TANK PURGE

STARTING TIME JAN 14,1985 HOUR 20 MINUTE 54

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	9.1	318.5	-1.4
21	4.5	305.1	-1.1
22	2.2	296.5	-0.5
23	3.1	311.1	-0.2
24	1.3	270.6	0.4
1	1.5	285.7	0.1
2	1.9	296.0	0.4
3	0.7	188.8	0.5
4	1.1	189.1	-0.3
5	1.3	175.3	-0.5

STOP TIME JAN 15,1985 HOUR 4 MINUTE 41

RELEASE NUMBER 85004 DECAY TANK PURGE

STARTING TIME JAN 15,1985 HOUR 4 MINUTE 57

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
4	1.1	189.1	-0.3
5	1.3	175.3	-0.5
6	1.6	149.7	-1.0
7	4.8	130.4	-1.3
8	7.0	129.3	-1.5
9	6.2	142.8	-1.5
10	8.9	143.4	-1.5
11	7.5	137.2	-1.5
12	8.6	143.0	-1.5
13	10.1	146.0	-1.6

STOP TIME JAN 15,1985 HOUR 12 MINUTE 14

RELEASE NUMBER 85005 DECAY TANK PURGE

STARTING TIME JAN 15,1985 HOUR 22 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	10.6	145.6	-1.3
23	10.6	142.6	-1.4
24	10.5	140.3	-1.4
1	8.6	140.9	-1.3
2	6.0	136.9	-1.4
3	4.8	124.6	-1.4
4	4.3	120.2	-1.3
5	4.9	118.2	-1.3
6	4.5	114.8	-1.4
7	2.8	93.9	-1.4

STOP TIME JAN 16,1985 HOUR 6 MINUTE 13

RELEASE NUMBER 85006 DECAY TANK PURGE

STARTING TIME FEB 13,1985 HOUR 0 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	2.3	118.9	0.2
2	2.4	125.3	-0.5
3	1.8	116.6	-0.8
4	2.3	145.9	-0.3
5	2.3	177.3	-0.7
6	2.0	197.8	-0.5
7	1.2	226.4	0.5
8	0.9	276.7	0.8
9	1.6	282.0	0.1

STOP TIME FEB 13,1985 HOUR 8 MINUTE 54

RELEASE NUMBER 85007 DECAY TANK PURGE

STARTING TIME FEB 13,1985 HOUR 14 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	18.2	323.5	-1.7
15	15.2	330.1	-1.9
16	14.2	326.1	-2.0
17	14.7	323.5	-1.9
18	14.2	327.7	-1.8
19	15.3	321.0	-1.6
20	14.3	321.3	-1.5
21	10.4	318.8	-1.0
22	8.5	313.8	-0.5

STOP TIME FEB 13,1985 HOUR 21 MINUTE 40

RELEASE NUMBER 85008 DECAY TANK PURGE

STARTING TIME FEB 13,1985 HOUR 21 MINUTE 52

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	10.4	318.8	-1.0
22	8.5	313.8	-0.5
23	8.3	306.8	-0.4
24	6.8	306.6	-0.3
1	5.9	307.9	-0.1
2	4.7	305.3	0.5
3	6.2	313.9	-0.7
4	5.4	309.7	-0.7
5	5.1	315.3	-0.9
6	5.5	326.8	-1.0

STOP TIME FEB 14,1985 HOUR 5 MINUTE 5

RELEASE NUMBER 85009 DECAY TANK PURGE

STARTING TIME FEB 14,1985 HOUR 9 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	2.7	317.4	-0.5
10	3.1	315.1	-1.6
11	2.4	306.8	0.3
12	4.9	328.6	-1.6
13	5.7	332.2	-1.7
14	5.5	322.0	-1.7
15	5.7	326.5	-1.8
16	5.9	329.2	-1.8
17	5.1	338.0	-1.8

STOP TIME FEB 14,1985 HOUR 16 MINUTE 25

RELEASE NUMBER 85010 DECAY TANK PURGE

STARTING TIME APR 22,1985 HOUR 9 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	7.0	102.1	-1.5
10	11.4	132.9	-1.4
11	10.1	137.4	-1.5
12	14.6	147.0	-1.5
13	12.8	146.0	-1.5
14	11.3	124.4	-1.3
15	9.8	127.8	-1.7

STOP TIME APR 22,1985 HOUR 14 MINUTE 57

RELEASE NUMBER 85011 DECAY TANK PURGE

STARTING TIME APR 22,1985 HOUR 16 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	9.6	145.2	-1.7
17	9.7	145.8	-1.5
18	7.9	131.8	-1.3
19	5.5	137.0	-0.7
20	2.1	128.5	-0.3
21	6.6	127.5	-0.1
22	9.8	138.2	-0.9
23	7.9	136.1	-0.9

STOP TIME APR 22,1985 HOUR 22 MINUTE 53

RELEASE NUMBER 85012 DECAY TANK PURGE

STARTING TIME JUNE 11,1985 HOUR 14 MINUTE 24

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	7.1	345.1	-1.3
15	7.9	346.3	-1.3
16	8.4	343.3	-1.6
17	6.8	342.6	-1.9
18	6.0	354.4	-2.3
19	5.1	2.4	-1.8
20	8.1	347.4	-1.4
21	6.7	330.0	-0.9
22	6.3	349.0	-1.3

STOP TIME JUNE 11,1985 HOUR 21 MINUTE 56

RELEASE NUMBER 85013 DECAY TANK PURGE

STARTING TIME JUNE 11,1985 HOUR 22 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	6.3	349.0	-1.3
23	8.6	344.2	-1.2
24	4.7	339.9	-1.0
1	2.3	281.2	0.2
2	3.1	302.7	0.5
3	2.4	342.9	1.8
4	2.4	348.4	1.1
5	3.6	322.7	0.6
6	7.0	320.1	-0.4

STOP TIME JUNE 12,1985 HOUR 5 MINUTE 34

SECTION V

ENVIRONMENTAL MONITORING

TECHNICAL SPECIFICATION (5.9.4.b)

January 1, 1985 to June 30, 1985

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 percent 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]	21 8
Background Radiation (G-M Survey)	Quarterly	Fifteen (15)	30
Air Particulate	Weekly	Five (5)	126
Airborne Iodine	Weekly	Five (5)	126
Well Water	Monthly Quarterly Comp.	Five (5) Five (5)	30 10
Precipitation	Monthly or Quarterly	One (1) One (1)	0 1
Milk	Monthly or Quarterly	Four (4) Four (4)	52 8
Vegetation	Annually	Six (6)	6
Cattlefeed	Quarterly	Six (6)	12
Soil	Annually	Four (4)	8
Surface Water	Weekly Monthly Comp.	Five (5) Five (5)	130 30
Fish (six species)	Annually	Three (3)	11
Mud and Silt	Annually	Three (3)	3
Wildlife	Annually	One (1)	1
		TOTAL:	613

[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, 1985

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean Location[d]	Mean (F) Range	Control Locations Mean(F) Range	Number of Non-routine Results[e]
Background Radiation (TLD) (mR/week)	Gamma 22[f]	0.5	1.1 (20/20) (0.6-1.9)	0-13, Highway 73 Entrance, 0.5 mi at 206°	1.6 (2/2) (1.4-1.9)	1.3 (2/2) (1.2-1.4)	0
Background Radiation G-M Survey (mrem/hr)	Beta-Gamma 30	0.059	<LLD	--	--	<LLD	0
Airborne Particulates (pCi/m^3)	GB 133	0.02	0.035 (107/107) (0.012-0.110)	0-5, 500' East of Reactor, 0.1 mi at 74°	0.034 (26/26) (0.020-0.083)	0.032 (26/26) (0.007-0.079)	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-131 133	0.2	<LLD	--	--	<LLD	0
Precipitation	GB 4	0.5	8.1 (4/4) (1.4-21.1)	0-30, AgriCo Plant, 1.8 mi at 325°	8.1 (4/4) (1.4-21.1)	None	0
Well Water (pCi/l)	GB 10	0.5	9.2 (10/10) (1.7-20.8)	0-16, Smith Farm 1.9 mi at 133°	20.2 (2/2) (19.5-20.8)	None	0
	H-3 10	200	250 (1/10) --	0-16, Smith Farm 1.9 mi at 133°	250 (1/10) --	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: Location[d]	Location with Highest Annual Mean: Mean (F) Range	Control Locations Mean(F) Range	Number of Non-routine Results[e]
Milk, Fresh (pCi/l)	I-131 39	0.5	<LLD	--	--	<LLD	0
	GS [f]						
	K-40	150	1290 (2/2) (1270-1310)	0-26, Japp Dairy 6.3 mi at 219°	1360 (2/2) (1320-1410)	1340 (4/4) (1280-1410)	0
	Cs-134	2	<LLD	--	--	<LLD	0
	Cs-134	2	<LLD	--	--	<LLD	0
	Other gammas	2	<LLD	--	--	<LLD	0
Milk, Preserved (pCi/l)	GB 7	6	870 (3/3) (580-1020)	0-26, Japp Dairy 6.3 mi at 219°	1080 (2/2) (960-1190)	960 (4/4) (710-1190)	0
	Sr-90 7	1	2.2 (1/3)	0-42, Miller Farm 0.8 mi at 206°	2.2 (1/3) --	1.1 (1/4) --	0
Surface Water (pCi/l)	GB 30	0.5	7.7 (24/24) (5.0-28.0)	0-6, Downstream 0.5 mi at 106°	10.0 (6/6) (5.1-28.0)	7.4 (6/6) (2.3-12.2)	0
	H-3 30	200	320 (6/24) (220-440)	0-10, Council Bluffs, 22 mi at 145°	440 (1/6) --	360 (1/6) --	0
Cattlefeed (pCi/g wet)	Sr-90 11	0.03	0.04 (3/7) (0.03-0.09)	0-31, Rogge Farm 2.1 mi at 278°	0.06 (1/3) (0.03-0.09)	0.06 (2/4) (0.03-0.08)	0
	GS 11	--					
	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, 1985 to June 30, 1985

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 through 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 withing the 50-mile radius of the plant.

(2) 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 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 1983 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-7 was used. For Tables VI-C-8 through VI-C-11, a transport time of 0.0 was used from the plant to the discharge site.

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

(6) All consumption rates, using 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-8 through VI-C-11 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 was 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 Nation 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, attributed to the gamma radiation emitted from the containment structure, were not observed above local background at any TLD an Geiger-Mueller sample locations for this semiannual period.

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

Table VI-A-1

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 1 BEEF
AT 1.86 MILES N

SEMI-ANNUAL BETA AIR DOSE = 4.24E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.88E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.19E-02	2.81E-02
MEAT								
ADULT	1.43E-05	8.28E-06	5.65E-06	1.69E-05	1.18E-05	2.80E-04	8.51E-06	7.58E-06
TEEN	7.61E-06	4.95E-06	4.63E-06	1.19E-05	7.90E-06	2.02E-04	5.37E-06	4.52E-06
CHILD	7.51E-06	5.71E-06	8.43E-06	1.50E-05	9.68E-06	3.04E-04	6.45E-06	5.46E-06

Table VI-A-2

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 2 BEEF,RES
AT 1.86 MILES NNE

SEMI-ANNUAL BETA AIR DOSE = 2.25E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.04E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.38E-03	6.38E-03	6.38E-03	6.38E-03	6.38E-03	6.38E-03	6.61E-03	1.53E-02
GROUND	5.52E-05	5.52E-05	5.52E-05	5.52E-05	5.52E-05	5.52E-05	5.52E-05	6.45E-05
MEAT								
ADULT	8.88E-06	4.50E-06	4.14E-06	1.08E-05	7.08E-06	2.04E-04	4.67E-06	3.99E-06
TEEN	4.64E-06	2.69E-06	3.39E-06	7.80E-06	4.86E-06	1.47E-04	3.00E-06	2.38E-06
CHILD	4.37E-06	3.06E-06	6.17E-06	9.84E-06	5.97E-06	2.22E-04	3.60E-06	2.87E-06
INHAL								
ADULT	1.66E-05	1.60E-05	1.35E-06	1.74E-05	1.77E-05	3.16E-04	1.67E-05	1.54E-05
TEEN	1.67E-05	1.61E-05	1.89E-06	1.83E-05	1.86E-05	3.93E-04	1.76E-05	1.55E-05
CHILD	1.47E-05	1.40E-05	2.54E-06	1.64E-05	1.66E-05	4.51E-04	1.55E-05	1.37E-05
INFANT	8.50E-06	7.99E-06	1.82E-06	1.02E-05	9.79E-06	4.08E-04	9.48E-06	7.87E-06

Table VI-A-3

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 3 RES
AT 1.47 MILES NE

SEMI-ANNUAL BETA AIR DOSE = 4.86E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.13E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.34E-02	3.20E-02
GROUND	4.48E-05	4.48E-05	4.48E-05	4.48E-05	4.48E-05	4.48E-05	4.48E-05	5.23E-05
INHAL								
ADULT	3.64E-05	3.49E-05	2.97E-06	3.81E-05	3.86E-05	6.90E-04	3.65E-05	3.36E-05
TEEN	3.65E-05	3.53E-05	4.15E-06	4.00E-05	4.07E-05	8.58E-04	3.85E-05	3.38E-05
CHILD	3.21E-05	3.06E-05	5.59E-06	3.59E-05	3.64E-05	9.84E-04	3.39E-05	2.99E-05
INFANT	1.86E-05	1.75E-05	4.00E-06	2.22E-05	2.14E-05	8.92E-04	2.08E-05	1.72E-05

Table VI-A-4

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 4 VEG.RES
AT 4.76 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 3.92E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.47E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.75E-04	8.75E-04	8.75E-04	8.75E-04	8.75E-04	8.75E-04	9.14E-04	2.35E-03
GROUND	2.86E-06	2.86E-06	2.86E-06	2.86E-06	2.86E-06	2.86E-06	2.86E-06	3.34E-06
VEGET								
ADULT	7.50E-06	5.27E-06	2.04E-06	8.46E-06	6.56E-06	9.01E-05	5.42E-06	5.07E-06
TEEN	7.85E-06	5.98E-06	3.08E-06	1.08E-05	7.81E-06	7.64E-05	6.41E-06	5.81E-06
CHILD	1.06E-05	9.11E-06	7.07E-06	1.72E-05	1.20E-05	1.16E-04	9.89E-06	9.00E-06
INHAL								
ADULT	3.02E-06	2.91E-06	2.23E-07	3.15E-06	3.19E-06	5.31E-05	3.03E-06	2.81E-06
TEEN	3.03E-06	2.93E-06	3.11E-07	3.29E-06	3.35E-06	6.58E-05	3.17E-06	2.83E-06
CHILD	2.67E-06	2.55E-06	4.19E-07	2.95E-06	2.99E-06	7.51E-05	2.80E-06	2.50E-06
INFANT	1.54E-06	1.46E-06	3.00E-07	1.81E-06	1.75E-06	6.80E-05	1.70E-06	1.44E-06

Table VI-A-5

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 5 MILK
AT 4.93 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 3.66E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.36E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.06E-04	8.06E-04	8.06E-04	8.06E-04	8.06E-04	8.06E-04	8.43E-04	2.18E-03
COW MILK								
ADULT	3.19E-06	1.76E-06	1.36E-06	3.86E-06	2.92E-06	1.33E-04	1.81E-06	1.61E-06
TEEN	3.77E-06	2.29E-06	2.44E-06	6.03E-06	4.40E-06	2.11E-04	2.50E-06	2.09E-06
CHILD	4.96E-06	3.46E-06	5.83E-06	9.95E-06	7.09E-06	4.16E-04	3.92E-06	3.30E-06
INFANT	7.22E-06	5.17E-06	9.94E-06	1.83E-05	1.13E-05	1.01E-03	6.11E-06	5.01E-06

Table VI-A-6

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 6 BEEF
AT 4.96 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 3.63E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.34E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	8.34E-04	2.16E-03
MEAT								
ADULT	9.12E-07	7.02E-07	1.97E-07	1.00E-06	8.25E-07	1.01E-05	7.10E-07	6.78E-07
TEEN	5.12E-07	4.19E-07	1.62E-07	6.64E-07	5.22E-07	7.21E-06	4.34E-07	4.04E-07
CHILD	5.60E-07	4.97E-07	2.95E-07	8.21E-07	6.36E-07	1.08E-05	5.23E-07	4.88E-07

Table VI-A-7

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 7 VEG,RES
AT 4.66 MILES E

SEMI-ANNUAL BETA AIR DOSE = 9.48E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.59E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7 4E-03	2.14E-03	2.14E-03	2.14E-03	2.14E-03	2.14E-03	2.23E-03	5.73E-03
GROUND	5.31E-06	5.31E-06	5.31E-06	5.31E-06	5.31E-06	5.31E-06	5.31E-06	6.20E-06
VEGET								
ADULT	1.68E-05	1.26E-05	3.80E-06	1.85E-05	1.50E-05	1.70E-04	1.29E-05	1.22E-05
TEEN	1.73E-05	1.43E-05	5.72E-06	2.33E-05	1.77E-05	1.45E-04	1.51E-05	1.40E-05
CHILD	2.46E-05	2.19E-05	1.31E-05	3.69E-05	2.74E-05	2.21E-04	2.34E-05	2.17E-05
INHAL								
ADULT	7.07E-06	6.93E-06	3.24E-07	7.28E-06	7.43E-06	9.76E-05	7.00E-06	6.78E-06
TEEN	7.13E-06	6.99E-06	4.53E-07	7.50E-06	7.71E-06	1.21E-04	7.17E-06	6.83E-06
CHILD	6.30E-06	6.12E-06	6.12E-07	6.69E-06	6.86E-06	1.37E-04	6.33E-06	6.04E-06
INFANT	3.65E-06	3.50E-06	4.53E-07	4.04E-06	4.01E-06	1.24E-04	3.74E-06	3.47E-06

Table VI-A-8

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 8 RES
AT 4.24 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 4.86E+35 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.42E+35 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.32E+35	6.32E+35	6.32E+35	6.32E+35	6.32E+35	6.32E+35	6.37E+35	1.15E+36
GROUND	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.27E-05
INHAL								
ADULT	7.62E-06	7.40E-06	1.01E-06	8.38E-06	8.83E-06	2.38E-04	7.58E-06	6.78E-06
TEEN	7.70E-06	7.51E-06	1.41E-06	9.01E-06	9.65E-06	3.03E-04	8.10E-06	6.83E-06
CHILD	6.82E-06	6.38E-06	1.91E-06	8.16E-06	8.68E-06	3.63E-04	7.12E-06	6.04E-06
INFANT	3.99E-06	3.61E-06	1.41E-06	5.31E-06	5.21E-06	3.31E-04	4.45E-06	3.47E-06

Table VI-A-9

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 9 BEEF
AT 5.03 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 1.11E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.42E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.65E-03	2.65E-03	2.65E-03	2.65E-03	2.65E-03	2.65E-03	2.76E-03	6.91E-03
MEAT								
ADULT	2.83E-06	2.13E-06	6.66E-07	3.14E-06	2.54E-06	3.39E-05	2.15E-06	2.05E-06
TEEN	1.58E-06	1.27E-06	5.46E-07	2.09E-06	1.62E-06	2.43E-05	1.32E-06	1.22E-06
CHILD	1.71E-06	1.50E-06	9.93E-07	2.60E-06	1.97E-06	3.63E-05	1.59E-06	1.47E-06

Table VI-A-10

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 10 VEG
AT 3.71 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 7.55E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.43E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.17E-03	5.08E-03
VEGET								
ADULT	2.55E-05	1.07E-05	1.36E-05	3.19E-05	1.93E-05	5.84E-04	1.16E-05	9.35E-06
TEEN	2.43E-05	1.18E-05	2.05E-05	4.41E-05	2.40E-05	4.88E-04	1.47E-05	1.07E-05
CHILD	2.70E-05	1.73E-05	4.70E-05	7.08E-05	3.68E-05	7.42E-04	2.25E-05	1.66E-05

Table VI-A-11

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 11 RES
AT 1.62 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 4.44E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.14E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.31E-02	1.36E-02	3.09E-02
GROUND	1.33E-04	1.33E-04	1.33E-04	1.33E-04	1.33E-04	1.33E-04	1.33E-04	1.56E-04
INHAL								
ADULT	3.25E-05	3.13E-05	2.66E-06	3.42E-05	3.46E-05	6.22E-04	3.27E-05	3.01E-05
TEEN	3.27E-05	3.16E-05	3.71E-06	3.58E-05	3.65E-05	7.74E-04	3.44E-05	3.03E-05
CHILD	2.87E-05	2.74E-05	5.01E-06	3.21E-05	3.26E-05	8.89E-04	3.03E-05	2.68E-05
INFANT	1.66E-05	1.56E-05	3.59E-06	1.99E-05	1.92E-05	8.05E-04	1.86E-05	1.54E-05

Table VI-A-12

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 12 PORK
AT 3.84 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 7.55E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.43E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.17E-03	5.08E-03
MEAT								
ADULT	3.01E-06	1.52E-06	1.41E-06	3.65E-06	2.40E-06	6.93E-05	1.58E-06	1.34E-06
TEEN	1.57E-06	9.09E-07	1.15E-06	2.65E-06	1.64E-06	5.00E-05	1.01E-06	8.02E-07
CHILD	1.48E-06	1.03E-06	2.10E-06	3.34E-06	2.02E-06	7.52E-05	1.21E-06	9.69E-07

Table VI-A-13

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 13 VEG,RES
AT 0.89 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 1.15E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.67E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.61E-02	8.14E-02
GROUND	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	5.10E-04
VEGET								
ADULT	5.13E-04	1.71E-04	3.13E-04	6.59E-04	3.70E-04	1.34E-02	1.93E-04	1.41E-04
TEEN	4.74E-04	1.87E-04	4.71E-04	9.29E-04	4.68E-04	1.12E-02	2.54E-04	1.61E-04
CHILD	4.89E-04	2.67E-04	1.08E-03	1.50E-03	7.16E-04	1.70E-02	3.87E-04	2.50E-04
INHAL								
ADULT	8.46E-05	8.12E-05	7.12E-06	8.89E-05	9.01E-05	1.65E-03	8.50E-05	7.79E-05
TEEN	8.50E-05	8.20E-05	9.95E-06	9.33E-05	9.51E-05	2.05E-03	8.97E-05	7.84E-05
CHILD	7.46E-05	7.11E-05	1.34E-05	8.37E-05	8.49E-05	2.36E-03	7.90E-05	6.94E-05
INFANT	4.32E-05	4.05E-05	9.60E-06	5.19E-05	5.00E-05	2.14E-03	4.85E-05	3.99E-05

Table VI-A-14

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 14 PORK
AT 1.10 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 9.30E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.49E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.86E-02	6.50E-02
MEAT								
ADULT	4.53E-05	1.94E-05	2.45E-05	5.66E-05	3.47E-05	1.21E-03	2.04E-05	1.63E-05
TEEN	2.32E-05	1.16E-05	2.01E-05	4.19E-05	2.45E-05	8.71E-04	1.35E-05	9.75E-06
CHILD	2.07E-05	1.29E-05	3.66E-05	5.31E-05	3.01E-05	1.31E-03	1.61E-05	1.18E-05

Table VI-A-15

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 15 VEG,RES
AT 0.78 MILES S

SEMI-ANNUAL BETA AIR DOSE = 9.86E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.26E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.90E-02	1.90E-02	1.90E-02	1.90E-02	1.90E-02	1.90E-02	2.00E-02	5.51E-02
GROUND	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.74E-04
VEGET								
ADULT	4.12E-04	1.62E-04	2.28E-04	5.18E-04	3.05E-04	9.12E-03	1.79E-04	1.41E-04
TEEN	3.90E-04	1.79E-04	3.44E-04	7.22E-04	3.82E-04	7.61E-03	2.29E-04	1.61E-04
CHILD	4.23E-04	2.62E-04	7.91E-04	1.16E-03	5.86E-04	1.16E-02	3.50E-04	2.50E-04
INHAL								
ADULT	8.32E-05	8.01E-05	5.47E-06	8.62E-05	8.67E-05	1.29E-03	8.36E-05	7.79E-05
TEEN	8.36E-05	8.08E-05	7.63E-06	8.98E-05	9.04E-05	1.58E-03	8.74E-05	7.84E-05
CHILD	7.33E-05	7.05E-05	1.03E-05	8.02E-05	8.05E-05	1.78E-03	7.70E-05	6.94E-05
INFANT	4.24E-05	4.03E-05	7.29E-06	4.89E-05	4.71E-05	1.61E-03	4.67E-05	3.99E-05

Table VI-A-16

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 16 BEEF
AT 1.98 MILES S

SEMI-ANNUAL BETA AIR DOSE = 1.01E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.65E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.84E-03	2.84E-03	2.84E-03	2.84E-03	2.84E-03	2.84E-03	2.95E-03	6.84E-03
MEAT								
ADULT	4.35E-06	2.06E-06	2.16E-06	5.34E-06	3.41E-06	1.06E-04	2.15E-06	1.79E-06
TEEN	2.25E-06	1.23E-06	1.77E-06	3.91E-06	2.36E-06	7.69E-05	1.39E-06	1.07E-06
CHILD	2.07E-06	1.39E-06	3.23E-06	4.93E-06	2.91E-06	1.16E-04	1.67E-06	1.29E-06

Table VI-A-17

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 1 COW
AT 2.75 MILES S

SEMI-ANNUAL BETA AIR DOSE = 4.83E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.18E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.38E-03	3.23E-03
COW MILK ADULT	1.01E-05	2.81E-06	6.97E-06	1.35E-05	8.77E-06	6.86E-04	3.06E-06	2.02E-06
TEEN	1.12E-05	3.68E-06	1.25E-05	2.28E-05	1.45E-05	1.09E-03	4.71E-06	2.63E-06
CHILD	1.27E-05	4.98E-06	2.98E-05	3.81E-05	2.37E-05	2.15E-03	7.30E-06	4.16E-06
INFANT	1.77E-05	7.12E-06	5.09E-05	7.44E-05	3.87E-05	5.21E-03	1.19E-05	6.31E-06

Table VI-A-18

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 2 VEG,RES
AT 0.62 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 1.07E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.56E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.44E-02	3.44E-02	3.44E-02	3.44E-02	3.44E-02	3.44E-02	3.55E-02	7.84E-02
GROUND	2.93E-04	2.93E-04	2.93E-04	2.93E-04	2.93E-04	2.93E-04	2.93E-04	3.43E-04
VEGET								
ADULT	3.79E-04	1.50E-04	2.10E-04	4.78E-04	2.84E-04	9.08E-03	1.65E-04	1.30E-04
TEEN	3.59E-04	1.66E-04	3.16E-04	6.64E-04	3.55E-04	7.58E-03	2.11E-04	1.48E-04
CHILD	3.91E-04	2.42E-04	7.27E-04	1.07E-03	5.43E-04	1.15E-02	3.22E-04	2.30E-04
INHAL								
ADULT	7.80E-05	7.49E-05	6.69E-06	8.21E-05	8.32E-05	1.54E-03	7.84E-05	7.18E-05
TEEN	7.84E-05	7.56E-05	9.34E-06	8.63E-05	8.79E-05	1.92E-03	8.28E-05	7.23E-05
CHILD	6.88E-05	6.55E-05	1.26E-05	7.74E-05	7.85E-05	2.21E-03	7.29E-05	6.39E-05
INFANT	3.99E-05	3.74E-05	9.02E-06	4.81E-05	4.63E-05	2.00E-03	4.49E-05	3.67E-05

Table VI-A-19

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 3 MILK
AT 0.67 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 9.22E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.76E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.95E-02	2.95E-02	2.95E-02	2.95E-02	2.95E-02	2.95E-02	3.04E-02	6.71E-02
COW MILK ADULT	1.92E-04	5.28E-05	1.33E-04	2.57E-04	1.67E-04	1.31E-02	5.73E-05	3.76E-05
TEEN	2.13E-04	6.91E-05	2.38E-04	4.33E-04	2.76E-04	2.08E-02	8.86E-05	4.90E-05
CHILD	2.40E-04	9.32E-05	5.68E-04	7.25E-04	4.50E-04	4.11E-02	1.37E-04	7.74E-05
INFANT	3.35E-04	1.33E-04	9.71E-04	1.42E-03	7.38E-04	9.99E-02	2.24E-04	1.17E-04

Table VI-A-20

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 4 BEEF
AT 2.01 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 7.03E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.40E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.09E-03	2.16E-03	4.91E-03
MEAT								
ADULT	2.81E-06	1.40E-06	1.33E-06	3.42E-06	2.23E-06	6.57E-05	1.46E-06	1.24E-06
TEEN	1.46E-06	8.39E-07	1.09E-06	2.48E-06	1.54E-06	4.75E-05	9.39E-07	7.37E-07
CHILD	1.37E-06	9.51E-07	1.99E-06	3.13E-06	1.89E-06	7.14E-05	1.12E-06	8.91E-07

Table VI-A-21

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 5 VEG.RES
AT 0.79 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 2.86E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.47E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.37E-03	2.08E-02
GROUND	1.06E-04	1.06E-04	1.06E-04	1.06E-04	1.06E-04	1.06E-04	1.06E-04	1.23E-04
VEGET								
ADULT	1.25E-04	4.21E-05	7.57E-05	1.60E-04	9.02E-05	3.26E-03	4.74E-05	3.46E-05
TEEN	1.15E-04	4.60E-05	1.14E-04	2.25E-04	1.14E-04	2.71E-03	6.21E-05	3.97E-05
CHILD	1.19E-04	6.57E-05	2.62E-04	3.63E-04	1.74E-04	4.13E-03	9.46E-05	6.14E-05
INHAL								
ADULT	2.08E-05	2.00E-05	1.77E-06	2.19E-05	2.22E-05	4.09E-04	2.09E-05	1.92E-05
TEEN	2.09E-05	2.02E-05	2.47E-06	2.30E-05	2.35E-05	5.09E-04	2.21E-05	1.93E-05
CHILD	1.84E-05	1.75E-05	3.33E-06	2.06E-05	2.10E-05	5.85E-04	1.95E-05	1.71E-05
INFANT	1.06E-05	9.98E-06	2.38E-06	1.28E-05	1.23E-05	5.30E-04	1.20E-05	9.82E-06

Table VI-A-22

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 6 BEEF
AT 0.81 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 2.86E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.47E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.08E-03	9.37E-03	2.08E-02
MEAT								
ADULT	1.43E-05	5.97E-06	7.91E-06	1.80E-05	1.09E-05	3.89E-04	6.28E-06	4.98E-06
TEEN	7.30E-06	3.57E-06	6.49E-06	1.33E-05	7.72E-06	2.81E-04	4.17E-06	2.97E-06
CHILD	6.46E-06	3.95E-06	1.18E-05	1.69E-05	9.52E-06	4.24E-04	4.97E-06	3.59E-06

Table VI-A-23

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 7 VEG.RES
AT 1.01 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 3.05E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.50E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.21E-03	9.21E-03	9.21E-03	9.21E-03	9.21E-03	9.21E-03	9.52E-03	2.15E-02
GROUND	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	6.82E-05
VEGET								
ADULT	8.70E-05	4.13E-05	4.19E-05	1.07E-04	6.80E-05	1.81E-03	4.43E-05	3.73E-05
TEEN	8.45E-05	4.61E-05	6.30E-05	1.45E-04	8.37E-05	1.52E-03	5.50E-05	4.27E-05
CHILD	9.81E-05	6.84E-05	1.45E-04	2.33E-04	1.28E-04	2.31E-03	8.44E-05	6.61E-05
INHAL								
ADULT	2.24E-05	2.15E-05	1.88E-06	2.35E-05	2.38E-05	4.35E-04	2.25E-05	2.06E-05
TEEN	2.25E-05	2.17E-05	2.62E-06	2.47E-05	2.52E-05	5.42E-04	2.37E-05	2.08E-05
CHILD	1.97E-05	1.88E-05	3.54E-06	2.22E-05	2.25E-05	6.22E-04	2.09E-05	1.84E-05
INFANT	1.14E-05	1.07E-05	2.53E-06	1.37E-05	1.32E-05	5.64E-04	1.28E-05	1.06E-05

Table VI-A-24

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 8 BEEF,PORK
AT 4.71 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 1.10E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.39E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.64E-04	2.64E-04	2.64E-04	2.64E-04	2.64E-04	2.64E-04	2.75E-04	6.85E-04
MEAT								
ADULT	3.29E-07	2.15E-07	1.08E-07	3.78E-07	2.82E-07	5.36E-06	2.19E-07	2.02E-07
TEEN	1.79E-07	1.28E-07	8.82E-08	2.62E-07	1.85E-07	3.86E-06	1.37E-07	1.20E-07
CHILD	1.84E-07	1.50E-07	1.61E-07	3.27E-07	2.26E-07	5.79E-06	1.64E-07	1.45E-07

Table VI-A-25

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 9 VEG,RES
AT 1.17 MILES W

SEMI-ANNUAL BETA AIR DOSE = 3.32E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.65E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.05E-02	2.36E-02
GROUND	6.11E-05	6.11E-05	6.11E-05	6.11E-05	6.11E-05	6.11E-05	6.11E-05	7.14E-05
VEGET								
ADULT	9.24E-05	4.47E-05	4.38E-05	1.13E-04	7.26E-05	1.90E-03	4.78E-05	4.04E-05
TEEN	9.01E-05	4.99E-05	6.59E-05	1.54E-04	8.93E-05	1.59E-03	5.93E-05	4.63E-05
CHILD	1.05E-04	7.41E-05	1.51E-04	2.46E-04	1.37E-04	2.42E-03	9.09E-05	7.17E-05
INHAL								
ADULT	2.43E-05	2.33E-05	2.02E-06	2.55E-05	2.59E-05	4.70E-04	2.44E-05	2.24E-05
TEEN	2.44E-05	2.35E-05	2.82E-06	2.68E-05	2.73E-05	5.85E-04	2.57E-05	2.25E-05
CHILD	2.14E-05	2.04E-05	3.80E-06	2.40E-05	2.44E-05	6.71E-04	2.26E-05	1.99E-05
INFANT	1.24E-05	1.16E-05	2.72E-06	1.49E-05	1.43E-05	6.09E-04	1.39E-05	1.15E-05

Table VI-A-26

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 10 BEEF
AT 1.94 MILES W

SEMI-ANNUAL BETA AIR DOSE = 1.09E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.17E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.28E-03	7.54E-03
MEAT								
ADULT	3.47E-06	2.09E-06	1.30E-06	4.06E-06	2.90E-06	6.49E-05	2.15E-06	1.93E-06
TEEN	1.86E-06	1.25E-06	1.07E-06	2.86E-06	1.93E-06	4.67E-05	1.35E-06	1.15E-06
CHILD	1.86E-06	1.45E-06	1.94E-06	3.58E-06	2.36E-06	7.02E-05	1.62E-06	1.39E-06

Table VI-A-27

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 11 MILK
AT 3.65 MILES W

SEMI-ANNUAL BETA AIR DOSE = 2.74E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.18E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.14E-04	7.14E-04	7.14E-04	7.14E-04	7.14E-04	7.14E-04	7.42E-04	1.78E-03
COW MILK ADULT	3.31E-06	1.37E-06	1.86E-06	4.23E-06	2.95E-06	1.83E-04	1.43E-06	1.16E-06
TEEN	3.80E-06	1.79E-06	3.33E-06	6.87E-06	4.67E-06	2.89E-04	2.06E-06	1.51E-06
CHILD	4.65E-06	2.60E-06	7.94E-06	1.14E-05	7.57E-06	5.71E-04	3.22E-06	2.38E-06
INFANT	6.64E-06	3.83E-06	1.36E-05	2.17E-05	1.22E-05	1.39E-03	5.11E-06	3.62E-06

Table VI-A-28

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 12 RES,BEEF
AT 1.91 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 2.07E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.84E-03 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	6.24E-03	1.43E-02
GROUND	3.46E-05	3.46E-05	3.46E-05	3.46E-05	3.46E-05	3.46E-05	3.46E-05	4.03E-05
MEAT								
ADULT	6.72E-06	3.98E-06	2.59E-06	7.90E-06	5.60E-06	1.29E-04	4.08E-06	3.66E-06
TEEN	3.60E-06	2.38E-06	2.12E-06	5.58E-06	3.73E-06	9.29E-05	2.57E-06	2.18E-06
CHILD	3.57E-06	2.75E-06	3.86E-06	6.99E-06	4.57E-06	1.40E-04	3.09E-06	2.64E-06
INHAL								
ADULT	1.52E-05	1.47E-05	1.23E-06	1.60E-05	1.62E-05	2.89E-04	1.53E-05	1.41E-05
TEEN	1.53E-05	1.48E-05	1.72E-06	1.68E-05	1.71E-05	3.60E-04	1.61E-05	1.42E-05
CHILD	1.35E-05	1.28E-05	2.32E-06	1.50E-05	1.53E-05	4.13E-04	1.42E-05	1.25E-05
INFANT	7.79E-06	7.33E-06	1.67E-06	9.30E-06	8.98E-06	3.74E-04	8.68E-06	7.21E-06

Table VI-A-29

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 13 VEG
AT 1.93 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 2.07E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.84E-03 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	6.24E-03	1.43E-02
VEGET ADULT	5.48E-05	2.79E-05	2.48E-05	6.64E-05	4.36E-05	1.07E-03	2.96E-05	2.54E-05
TEEN	5.39E-05	3.12E-05	3.73E-05	8.98E-05	5.34E-05	9.00E-04	3.65E-05	2.91E-05
CHILD	6.40E-05	4.65E-05	8.56E-05	1.44E-04	8.20E-05	1.37E-03	5.60E-05	4.51E-05

Table VI-A-30

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 14 MILK
AT 2.78 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 9.49E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.35E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.66E-03	2.66E-03	2.66E-03	2.66E-03	2.66E-03	2.66E-03	2.75E-03	6.41E-03
COW MILK ADULT	1.28E-05	4.82E-06	7.59E-06	1.65E-05	1.13E-05	7.50E-04	5.09E-06	3.96E-06
TEEN	1.45E-05	6.30E-06	1.36E-05	2.71E-05	1.81E-05	1.19E-03	7.43E-06	5.16E-06
CHILD	1.74E-05	9.05E-06	3.25E-05	4.52E-05	2.94E-05	2.34E-03	1.16E-05	8.15E-06
INFANT	2.47E-05	1.32E-05	5.55E-05	8.65E-05	4.77E-05	5.69E-03	1.84E-05	1.24E-05

Table VI-A-31

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 15 RES
AT 2.40 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 2.99E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.34E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.49E-03	2.00E-02
GROUND	3.35E-05	3.35E-05	3.35E-05	3.35E-05	3.35E-05	3.35E-05	3.35E-05	3.91E-05
INHAL								
ADULT	2.22E-05	2.14E-05	1.77E-06	2.33E-05	2.36E-05	4.16E-04	2.23E-05	2.06E-05
TEEN	2.24E-05	2.16E-05	2.47E-06	2.44E-05	2.49E-05	5.18E-04	2.35E-05	2.07E-05
CHILD	1.96E-05	1.88E-05	3.33E-06	2.19E-05	2.22E-05	5.94E-04	2.07E-05	1.83E-05
INFANT	1.14E-05	1.07E-05	2.39E-06	1.35E-05	1.31E-05	5.38E-04	1.26E-05	1.05E-05

Table VI-A-32

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 16 VEG
AT 2.32 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 3.05E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.37E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.38E-03	8.38E-03	8.38E-03	8.38E-03	8.38E-03	8.38E-03	8.68E-03	2.04E-02
VEGET ADULT	6.75E-05	4.03E-05	2.50E-05	7.92E-05	5.62E-05	1.09E-03	4.21E-05	3.79E-05
TEEN	6.83E-05	4.55E-05	3.76E-05	1.05E-04	6.78E-05	9.19E-04	5.08E-05	4.34E-05
CHILD	8.63E-05	6.86E-05	8.63E-05	1.67E-04	1.04E-04	1.40E-03	7.81E-05	6.72E-05

Table VI-A-33

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 1 MILK,PORK
AT 3.47 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 1.45E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 6.19E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.75E-03	3.75E-03	3.75E-03	3.75E-03	3.75E-03	3.75E-03	3.89E-03	9.39E-03
MEAT								
ADULT	3.87E-06	2.75E-06	1.06E-06	4.36E-06	3.41E-06	5.36E-05	2.79E-06	2.62E-06
TEEN	2.14E-06	1.64E-06	8.68E-07	2.95E-06	2.20E-06	3.85E-05	1.72E-06	1.56E-06
CHILD	2.27E-06	1.94E-06	1.58E-06	3.67E-06	2.68E-06	5.76E-05	2.07E-06	1.89E-06
COW MILK								
ADULT	1.46E-05	6.98E-06	7.26E-06	1.82E-05	1.32E-05	7.17E-04	7.24E-06	6.15E-06
TEEN	1.70E-05	9.11E-06	1.30E-05	2.90E-05	2.04E-05	1.13E-03	1.02E-05	8.02E-06
CHILD	2.15E-05	1.35E-05	3.11E-05	4.81E-05	3.30E-05	2.24E-03	1.59E-05	1.27E-05
INFANT	3.10E-05	2.01E-05	5.30E-05	9.01E-05	5.30E-05	5.43E-03	2.50E-05	1.92E-05

Table VI-A-34

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 2 BEEF
AT 1.06 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 1.18E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.69E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.62E-02	8.22E-02
MEAT ADULT	4.74E-05	2.35E-05	2.26E-05	5.78E-05	3.76E-05	1.12E-03	2.44E-05	2.07E-05
TEEN	2.47E-05	1.41E-05	1.85E-05	4.20E-05	2.59E-05	8.06E-04	1.58E-05	1.23E-05
CHILD	2.31E-05	1.59E-05	3.37E-05	5.30E-05	3.18E-05	1.21E-03	1.88E-05	1.49E-05

Table VI-A-35

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 3 VEG,RES
AT 2.01 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 2.85E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.30E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	8.22E-03	1.92E-02
GROUND	5.90E-05	5.90E-05	5.90E-05	5.90E-05	5.90E-05	5.90E-05	5.90E-05	6.89E-05
VEGET								
ADULT	8.55E-05	3.94E-05	4.23E-05	1.05E-04	6.63E-05	1.82E-03	4.24E-05	3.53E-05
TEEN	8.27E-05	4.39E-05	6.36E-05	1.44E-04	8.18E-05	1.52E-03	5.29E-05	4.04E-05
CHILD	9.49E-05	6.49E-05	1.46E-04	2.31E-04	1.26E-04	2.32E-03	8.11E-05	6.26E-05
INHAL								
ADULT	2.11E-05	2.03E-05	1.71E-06	2.22E-05	2.25E-05	3.99E-04	2.12E-05	1.95E-05
TEEN	2.12E-05	2.05E-05	2.38E-06	2.32E-05	2.37E-05	4.97E-04	2.23E-05	1.97E-05
CHILD	1.86E-05	1.78E-05	3.21E-06	2.08E-05	2.11E-05	5.70E-04	1.97E-05	1.74E-05
INFANT	1.08E-05	1.02E-05	2.30E-06	1.29E-05	1.24E-05	5.16E-04	1.20E-05	1.00E-05

Table VI-A-36

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 08-26-85
SPECIAL LOCATION # 4 PORK
AT 3.70 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 8.12E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.41E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.14E-03	5.21E-03
MEAT								
ADULT	2.68E-06	1.60E-06	1.02E-06	3.15E-06	2.23E-06	5.07E-05	1.64E-06	1.47E-06
TEEN	1.44E-06	9.54E-07	8.38E-07	2.22E-06	1.49E-06	3.65E-05	1.03E-06	8.77E-07
CHILD	1.43E-06	1.11E-06	1.53E-06	2.78E-06	1.82E-06	5.48E-05	1.24E-06	1.06E-06

Table VI-B-1

FORT CALHOUN 1 SEMI-ANNUAL 1/85- 6/85 TRI-EX TOWER DATA 08-23-85
SEMI-ANNUAL ALARA INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.61E-02	4.61E-02	4.61E-02	4.61E-02	4.61E-02	4.61E-02	4.92E-02	1.54E-01
	96.57%	97.37%	97.62%	95.64%	96.48%	48.63%	97.45%	99.19%
GROUND	4.59E-04	4.59E-04	4.59E-04	4.59E-04	4.59E-04	4.59E-04	4.59E-04	5.36E-04
	0.96%	0.97%	0.97%	0.95%	0.96%	0.48%	0.91%	0.35%
INHAL	2.39E-04	2.31E-04	1.89E-05	2.51E-04	2.53E-04	4.22E-03	2.42E-04	2.25E-04
	0.50%	0.49%	0.04%	0.52%	0.53%	4.45%	0.48%	0.14%
VEGET	6.27E-04	3.86E-04	4.17E-04	9.12E-04	6.50E-04	2.91E-02	3.98E-04	3.43E-04
	1.31%	0.81%	0.88%	1.89%	1.36%	30.64%	0.79%	0.22%
COW MILK	1.91E-04	8.75E-05	1.78E-04	3.24E-04	2.11E-04	1.26E-02	1.01E-04	7.77E-05
	0.40%	0.18%	0.38%	0.67%	0.44%	13.33%	0.20%	0.05%
MEAT	1.24E-04	8.24E-05	5.17E-05	1.55E-04	1.13E-04	2.34E-03	8.54E-05	7.74E-05
	0.26%	0.17%	0.11%	0.32%	0.24%	2.46%	0.17%	0.05%
TOTAL	4.78E-02	4.74E-02	4.72E-02	4.82E-02	4.78E-02	9.48E-02	5.04E-02	1.55E-01

Table VI-C-1

FT. CALHOUN 1 SEMI-ANNUAL RELEASES FOR JAN 1985 TO JUN 1985 08-26-85

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

50-MILE POPULATION=8.71E+05 FRACTION --- ADULT=0.66
TEENAGER=0.14
CHILD=0.20

FRESHWATER SITE
FT. CALHOUN S. TERMS 1/85- 6/85

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	1.69E-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	9.56E-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	1.05E-02	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	2.64E-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	1.23E-02	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	2.37E-03	4.16E-06	5.96E-06	3.41E-06	1.95E-03	1.02E-05	0.00E+00	1.57E-06	3.40E-09	2.80E-09	1.00E+00
53I	133	1.48E-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	4.89E-03	2.03E-05	2.55E-08	1.34E-06	0.00E+00	8.63E-09	1.46E-08	4.18E-05	2.40E-09	2.10E-09	1.00E+00
44RU	103	1.39E-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	9.16E-03	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	2.19E-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	1.31E-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	5.84E-03	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	2.42E-03	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	1.36E-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	1.60E-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	2.36E-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	2.69E-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	2.71E-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	1.13E-03	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	1.89E-03	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	7.89E+01	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-2

* * * 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	2.64E-03	1.26E-08	8.46E-09	9.70E-10	0.00E+00	2.94E-09	0.00E+00	2.29E-05			
53I 131	2.37E-03	5.57E-06	7.87E-06	4.69E-06	2.27E-03	1.02E-05	0.00E+00	1.49E-06			
53I 133	1.48E-03	2.03E-06	3.44E-06	1.06E-06	6.25E-04	4.33E-06	0.00E+00	2.50E-06			
56BA 140	4.89E-03	2.83E-05	3.48E-08	1.82E-06	0.00E+00	8.68E-09	2.33E-08	4.14E-06			
44RU 103	1.39E-03	2.37E-07	0.00E+00	1.06E-07	0.00E+00	7.07E-07	0.00E+00	1.85E-05			
55CS 137	9.16E-03	1.07E-04	1.44E-04	5.05E-05	0.00E+00	3.71E-05	1.91E-05	1.92E-06			
40ZR 95	2.19E-03	3.72E-08	1.24E-08	8.66E-09	0.00E+00	1.54E-08	0.00E+00	2.68E-05			
41NB 95	1.31E-03	7.24E-09	4.36E-09	2.46E-09	0.00E+00	3.43E-09	0.00E+00	1.78E-05			
55CS 134	5.84E-03	8.05E-05	1.94E-04	9.06E-05	0.00E+00	4.80E-05	2.35E-05	2.24E-06			
27CO 58	2.42E-03	0.00E+00	9.92E-07	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05			
27CO 60	2.71E-03	0.00E+00	2.76E-06	6.30E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-05			
57LA 140	1.13E-03	3.48E-09	1.72E-09	4.55E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-05			
1H 3	7.89E+01	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	2.64E-03	3.76E-08	1.88E-08	2.80E-09	0.00E+00	2.94E-09	0.00E+00	2.36E-05			
53I 131	2.37E-03	1.63E-05	1.67E-05	1.26E-05	5.43E-03	1.02E-05	0.00E+00	1.43E-06			
53I 133	1.48E-03	5.98E-06	7.38E-06	2.90E-06	1.78E-03	4.33E-06	0.00E+00	2.99E-06			
56BA 140	4.89E-03	8.26E-05	7.25E-08	4.85E-06	0.00E+00	8.68E-09	4.32E-08	4.21E-06			
44RU 103	1.39E-03	6.78E-07	0.00E+00	2.74E-07	0.00E+00	7.07E-07	0.00E+00	1.78E-05			
55CS 137	9.16E-03	3.12E-04	3.02E-04	4.50E-05	0.00E+00	3.71E-05	3.54E-05	1.84E-06			
40ZR 95	2.19E-03	1.04E-07	[illegible]2E-08	2.20E-08	0.00E+00	1.54E-08	0.00E+00	2.50E-05			
41NB 95	1.31E-03	1.95E-08	8.32E-09	6.11E-09	0.00E+00	3.43E-09	0.00E+00	1.44E-05			
55CS 134	5.84E-03	2.24E-04	3.77E-04	8.02E-05	0.00E+00	4.80E-05	4.19E-05	2.04E-06			
27CO 58	2.42E-03	0.00E+00	1.85E-06	5.58E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-05			
27CO 60	2.71E-03	0.00E+00	5.17E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-05			
57LA 140	1.13E-03	1.01E-08	3.52E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-04			
1H 3	7.89E+01	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	2.64E-03	8.00E-08	4.91E-08	5.75E-09	0.00E+00	2.94E-09	0.00E+00	2.38E-05			
53I 131	2.37E-03	3.42E-05	4.07E-05	2.38E-05	1.31E-02	1.02E-05	0.00E+00	1.53E-06			
53I 133	1.48E-03	1.26E-05	1.84E-05	5.58E-06	4.35E-03	4.33E-06	0.00E+00	3.27E-06			
56BA 140	4.89E-03	1.74E-04	1.75E-07	8.99E-06	0.00E+00	8.68E-09	1.07E-07	4.43E-06			
44RU 103	1.39E-03	1.41E-06	0.00E+00	4.85E-07	0.00E+00	7.07E-07	0.00E+00	1.76E-05			
55CS 137	9.16E-03	6.53E-04	7.31E-04	4.20E-05	0.00E+00	3.71E-05	8.81E-05	1.89E-06			
40ZR 95	2.19E-03	2.11E-07	5.32E-08	3.78E-08	0.00E+00	1.54E-08	0.00E+00	2.38E-05			
41NB 95	1.31E-03	3.89E-08	1.75E-08	1.03E-08	0.00E+00	3.43E-09	0.00E+00	1.40E-05			
55CS 134	5.84E-03	4.58E-04	8.24E-04	6.97E-05	0.00E+00	4.80E-05	9.42E-05	1.96E-06			
27CO 58	2.42E-03	0.00E+00	3.78E-06	9.26E-06	0.00E+00	0.00E+00	0.00E+00	9.79E-06			
27CO 60	2.71E-03	0.00E+00	1.07E-05	2.56E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-05			
57LA 140	1.13E-03	2.12E-08	8.37E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-04			
1H 3	7.89E+01	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 7.8981E+01

Table VI-C-3

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

ADULT DOSES

	DOSE (MREM PER .5YR INTAKE)							
PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.97E-03	1.57E-02	1.13E-02	3.13E-04	5.42E-03	1.71E-03	3.92E-03
DRINKING		4.09E-05	4.17E-04	3.98E-04	5.05E-04	3.75E-04	3.57E-04	3.83E-04
SHORELINE	1.39E-05	1.18E-05	1.18E-05	1.18E-05	1.18E-05	1.18E-05	1.18E-05	1.18E-05
SWIMMING	0.00E+00	2.10E-07	2.10E-07	2.10E-07	2.10E-07	2.10E-07	2.10E-07	2.10E-07
BOATING	0.00E+00	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07
TOTAL	1.39E-05	9.02E-03	1.61E-02	1.18E-02	8.30E-04	5.81E-03	2.08E-03	4.32E-03

SHOREWIDTH FACTOR=0.2

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	21.0	7.3	24.00
DRINKING	730.0	30.8	18.60
SHORELINE	12.0	7.3	0.00
SWIMMING	12.0	7.3	0.00
BOATING	12.0	7.3	0.00

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 65% CS 134 32% ZN 65 1%	CS 137 51% CS 134 44% CS 136 1% ZN 65 2%	CS 137 46% CS 134 49% CS 136 1% ZN 65 1%	I 131 81% I 133 6% H 3 12%	CS 137 50% CS 134 41% CS 136 3% ZN 65 4%	CS 137 52% CS 134 43% CS 136 1% H 3 2%	CS 137 3% NB 95 82% CS 134 3% ZN 65 5%
DRINKING		BA 140 7% CS 137 59% CS 134 29% ZN 65 1%	CS 137 7% CS 134 6% H 3 83%	CS 137 5% CS 134 5% H 3 87%	I 131 28% I 133 2% H 3 69%	CS 137 2% CS 134 2% H 3 93%	CS 137 1% H 3 97%	BA 140 1% SB 124 1% H 3 91%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M f		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SB 124 7%						

Table VI-C-4

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

TEENAGER DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		9.01E-03	1.55E-02	6.38E-03	2.69E-04	4.13E-03	1.95E-03	2.58E-03
DRINKING		3.78E-05	2.54E-04	2.19E-04	3.21E-04	2.62E-04	2.01E-04	2.12E-04
SHORELINE	7.74E-05	6.62E-05	6.62E-05	6.62E-05	6.62E-05	6.62E-05	6.62E-05	6.62E-05
SWIMMING	0.00E+00	1.17E-06	1.17E-06	1.17E-06	1.17E-06	1.17E-06	1.17E-06	1.17E-06
BOATING	0.00E+00	5.86E-07	5.86E-07	5.86E-07	5.86E-07	5.86E-07	5.86E-07	5.86E-07
TOTAL	7.74E-05	9.12E-03	1.58E-02	6.67E-03	6.57E-04	4.46E-03	2.22E-03	2.86E-03

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	16.0	7.3	24.00
DRINKING	510.0	30.8	18.60
SHORELINE	67.0	7.3	0.00
SWIMMING	67.0	7.3	0.00
BOATING	67.0	7.3	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 66% CS 134 31%	CS 137 51% CS 134 44% CS 136 1% ZN 65 1%	CS 137 44% CS 134 50% CS 136 2% ZN 65 1%	I 131 84% I 133 7% H 3 8%	CS 137 50% CS 134 41% CS 136 3% ZN 65 4%	CS 137 54% CS 134 42% H 3 1%	CS 137 4% NB 95 81% CS 134 3% CS 136 1% ZN 65 6%
DRINKING		BA 140 8% CS 137 59% CS 134 28%	CS 137 12% CS 134 10% H 3 76%	CS 137 4% CS 134 5% H 3 88%	I 131 36% I 133 3% H 3 60%	CS 137 2% CS 134 2% H 3 93%	CS 137 2% CS 134 1% H 3 96%	SB 124 1% H 3 91%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M F		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SB 124 7%						

Table VI-C-5

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

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		1.11E-02	1.33E-02	2.47E-03	2.76E-04	1.78E-03	1.53E-03	9.41E-04
DRINKING		1.07E-04	4.90E-04	3.94E-04	6.81E-04	2.62E-04	3.83E-04	3.88E-04
SHORELINE	1.62E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05
SWIMMING	0.00E+00	2.45E-07	2.45E-07	2.45E-07	2.45E-07	2.45E-07	2.45E-07	2.45E-07
BOATING	0.00E+00	1.22E-07	1.22E-07	1.22E-07	1.22E-07	1.22E-07	1.22E-07	1.22E-07
TOTAL	1.62E-05	1.12E-02	1.38E-02	2.88E-03	9.71E-04	2.06E-03	1.93E-03	1.34E-03

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	6.9	7.3	24.00
DRINKING	510.0	30.8	18.60
SHORELINE	14.0	7.3	0.00
SWIMMING	14.0	7.3	0.00
BOATING	14.0	7.3	0.00

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 68% CS 134 31%	CS 137 54% CS 134 43%	CS 137 44% CS 134 49% CS 136 2% ZN 65 1%	I 131 84% I 133 8% H 3 6%	CS 137 50% CS 134 41% CS 136 3% ZN 65 4%	CS 137 55% CS 134 42% H 3 1%	CS 137 4% NB 95 77% CS 134 3% MN 54 1% CS 136 1% FE 59 1% ZN 65 7% H 3 2%
DRINKING		BA 140 8% CS 137 61% CS 134 28%	CS 137 13% CS 134 10% H 3 75%	CS 137 2% CS 134 2% H 3 93%	I 131 40% I 133 4% H 3 54%	CS 137 2% CS 134 2% H 3 93%	CS 137 1% CS 134 1% H 3 96%	H 3 95%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M f		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SB 124 7%						

Table VI-C-6

* * * 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		1.43E-04	5.38E-04	3.78E-04	8.48E-04	1.70E-04	3.83E-04	3.73E-04
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	1.43E-04	5.38E-04	3.78E-04	8.48E-04	1.70E-04	3.83E-04	3.73E-04

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
FISH	0.0	7.3	24.00
DRINKING	330.0	30.8	18.60

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING		BA 140 8%	CS 137 18%	CS 137 1%	I 131 51%	CS 137 2%	CS 137 3%	H 3 96%
		CS 137 62%	CS 134 13%	CS 134 1%	I 133 6%	CS 134 2%	CS 134 2%	
		CS 134 27%	H 3 67%	H 3 95%	H 3 42%	H 3 93%	H 3 94%	

Table VI-C-7

* * * 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		6.55E-02	1.14E-01	8.28E-02	2.28E-03	3.96E-02	1.25E-02	2.86E-02
DRINKING		1.26E-03	1.28E-02	1.23E-02	1.58E-02	1.16E-02	1.10E-02	1.18E-02
SHORELINE	1.01E-04	8.65E-05	8.65E-05	8.65E-05	8.65E-05	8.65E-05	8.65E-05	8.65E-05
SWIMMING	0.00E+00	1.53E-06	1.53E-06	1.53E-06	1.53E-06	1.53E-06	1.53E-06	1.53E-06
BOATING	0.00E+00	7.66E-07	7.66E-07	7.66E-07	7.66E-07	7.66E-07	7.66E-07	7.66E-07
TOTAL	1.01E-04	6.68E-02	1.27E-01	9.52E-02	1.81E-02	5.12E-02	2.36E-02	4.05E-02

SHOREWIDTH FACTOR=0.2

	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

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 65% CS 134 32% ZN 65 1%	CS 137 51% CS 134 44% CS 136 1% ZN 65 2%	CS 137 46% CS 134 49% CS 136 1% ZN 65 1%	I 131 81% I 133 6% H 3 12%	CS 137 50% CS 134 41% CS 136 3% ZN 65 4%	CS 137 52% CS 134 43% CS 136 1% H 3 2%	CS 137 3% NB 95 82% CS 134 3% ZN 65 5%
DRINKING		BA 140 7% CS 137 58% CS 134 29% ZN 65 1%	CS 137 7% CS 134 6% H 3 83%	CS 137 5% CS 134 5% H 3 87%	I 131 28% I 133 3% H 3 68%	CS 137 2% CS 134 2% H 3 93%	CS 137 1% H 3 97%	BA 140 1% SB 124 1% H 3 91%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M f		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SB 124 7%						

Table VI-C-8

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

TEENAGER DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		6.58E-02	1.13E-01	4.66E-02	1.96E-03	3.01E-02	1.42E-02	1.88E-02
DRINKING		1.17E-03	7.82E-03	6.73E-03	1.01E-02	8.08E-03	6.18E-03	6.53E-03
SHORELINE	5.65E-04	4.83E-04	4.83E-04	4.83E-04	4.83E-04	4.83E-04	4.83E-04	4.83E-04
SWIMMING	0.00E+00	8.55E-06	8.55E-06	8.55E-06	8.55E-06	8.55E-06	8.55E-06	8.55E-06
BOATING	0.00E+00	4.28E-06	4.28E-06	4.28E-06	4.28E-06	4.28E-06	4.28E-06	4.28E-06
TOTAL	5.65E-04	6.75E-02	1.22E-01	5.38E-02	1.25E-02	3.87E-02	2.09E-02	2.58E-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 66% CS 134 31%	CS 137 51% CS 134 44% CS 136 1% ZN 65 1%	CS 137 44% CS 134 50% CS 136 2% ZN 65 1%	I 131 84% I 133 7% H 3 8%	CS 137 50% CS 134 43% CS 136 3% ZN 65 4%	CS 137 54% CS 134 42% H 3 1%	CS 137 4% NB 95 81% CS 134 3% CS 136 1% ZN 65 6%
DRINKING		BA 140 8% CS 137 59% CS 134 28%	CS 137 11% CS 134 10% H 3 76%	CS 137 4% CS 134 5% H 3 88%	I 131 36% I 133 4% H 3 59%	CS 137 2% CS 134 2% H 3 93%	CS 137 2% CS 134 1% H 3 96%	SB 124 1% H 3 91%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M f		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SR 124 7%						

Table VI-C-9

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

CHILD DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.07E-02	9.74E-02	1.80E-02	2.01E-03	1.30E-02	1.12E-02	6.87E-03
DRINKING		3.30E-03	1.51E-02	1.21E-02	2.14E-02	8.08E-03	1.18E-02	1.70E-02
SHORELINE	1.18E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04
SWIMMING	0.00E+00	1.79E-06	1.79E-06	1.79E-06	1.79E-06	1.79E-06	1.79E-06	1.79E-06
BOATING	0.00E+00	8.94E-07	8.94E-07	8.94E-07	8.94E-07	8.94E-07	8.94E-07	8.94E-07
TOTAL	1.18E-04	8.41E-02	1.13E-01	3.03E-02	2.35E-02	2.12E-02	2.31E-02	1.89E-02

SHOREWIDTH FACTOR=0.2

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)
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 68% CS 134 31%	CS 137 54% CS 134 43%	CS 137 44% CS 134 49% CS 136 2% ZN 65 1%	I 131 84% I 133 8% H 3 6%	CS 137 50% CS 134 41% CS 136 3% ZN 65 4%	CS 137 55% CS 134 42% H 3 1%	CS 137 4% NB 95 77% CS 134 3% MN 54 1% CS 136 1% FE 59 1% ZN 65 7% H 3 2%
DRINKING		BA 140 8% CS 137 61% CS 134 28%	CS 137 13% CS 134 10% H 3 75%	CS 137 2% CS 134 2% H 3 93%	I 131 40% I 133 5% H 3 53%	CS 137 2% CS 134 2% H 3 93%	CS 137 1% CS 134 1% H 3 96%	H 3 95%
SHORELINE	CS 137 46% CS 134 19% CO 60 29%	CS 137 46% CS 134 19% CO 60 29%						
SWIM M f		MO 99 4% TC 99M 2% I 131 2% I 133 1% BA 140 2% RU 1 3 1% CS 137 10% ZR 95 3% NB 95 2% CS 134 18% CO 58 4% MN 54 2% CS 136 7% FE 59 5% ZN 65 3% CO 60 13% LA 140 5% SB 124 7%						

Table VI-C-10

* * * 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		4.43E-03	1.66E-02	1.16E-02	2.68E-02	5.23E-03	1.18E-02	1.15E-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	4.43E-03	1.66E-02	1.16E-02	2.68E-02	5.23E-03	1.18E-02	1.15E-02

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)	SHOREWIDTH FACTOR=0.2
FISH	0.0	1.0	24.00	
DRINKING	330.0	1.0	12.00	

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING		BA 140 8%	CS 137 18%	CS 137 1%	I 131 51%	CS 137 2%	CS 137 3%	H 3 96%
		CS 137 62%	CS 134 13%	CS 134 1%	I 133 7%	CS 134 2%	CS 134 2%	
		CS 134 27%	H 3 67%	H 3 95%	H 3 41%	H 3 93%	H 3 94%	

Table VI-D-1

* * * 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	2.43E-02	4.22E-02	3.06E-02	5.17E-04	1.45E-02	4.63E-03	9.59E-03
FISH	TEENAGER	9.29E+03	5.12E-03	8.79E-03	3.60E-03	9.01E-05	2.33E-03	1.11E-03	1.32E-03
FISH	CHILD	5.61E+03	8.81E-03	1.06E-02	1.95E-03	1.26E-04	1.41E-03	1.22E-03	6.80E-04
FISH	TOTAL	7.30E+04	3.82E-02	6.16E-02	3.61E-02	7.34E-04	1.83E-02	6.96E-03	1.16E-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 65%	CS 137 51%	CS 137 46%	I 131 79%	CS 137 50%	CS 137 53%	CS 137 4%
	CS 134 32%	CS 134 44%	CS 134 50%	H 3 20%	CS 134 41%	CS 134 43%	NB 95 81%
	ZN 65 1%	CS 136 1%	CS 136 1%		CS 136 2%	CS 136 1%	CS 134 3%
		ZN 65 2%	ZN 65 1%		ZN 65 4%	H 3 2%	ZN 65 5%
							H 3 1%
TEENAGER	CS 137 66%	CS 137 52%	CS 137 44%	I 131 85%	CS 137 50%	CS 137 55%	CS 137 4%
	CS 134 31%	CS 134 44%	CS 134 50%	H 3 14%	CS 134 41%	CS 134 42%	NB 95 80%
		CS 136 1%	CS 136 1%		CS 136 2%	H 3 1%	CS 134 3%
		ZN 65 1%	ZN 65 1%		ZN 65 4%		ZN 65 6%
CHILD	CS 137 68%	CS 137 54%	CS 137 44%	I 131 87%	CS 137 50%	CS 137 56%	CS 137 5%
	CS 134 31%	CS 134 43%	CS 134 50%	H 3 12%	CS 134 41%	CS 134 42%	NB 95 76%
			CS 136 2%		CS 136 2%	H 3 1%	CS 134 3%
			ZN 65 1%		ZN 65 4%		MN 54 1%
							FE 59 1%
							ZN 65 7%
							H 3 2%

Table VI-D-2

* * * 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	3.97E+06	2.74E-03	4.76E-03	3.45E-03	4.79E-05	1.64E-03	5.23E-04	1.03E-03
FISH	TEENAGER	6.34E+05	5.79E-04	9.93E-04	4.06E-04	8.21E-06	2.62E-04	1.25E-04	1.43E-04
FISH	CHILD	3.83E+05	9.97E-04	1.20E-03	2.20E-04	1.14E-05	1.58E-04	1.38E-04	7.33E-05
FISH	TOTAL	4.98E+06	4.32E-03	6.95E-03	4.08E-03	6.75E-05	2.06E-03	7.86E-04	1.25E-03

DILUTION 7.30E+00 CATCH 7.30E+04 TIME(HR)-INCLUDES FOOD PROCESSING TIME OF 2.40E+02 HR 2.41E+02 POPULATION=8.71E+05

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 65% CS 134 32% ZN 65 1%	CS 137 51% CS 134 44% CS 136 1% ZN 65 2%	CS 137 46% CS 134 50% CS 136 1% ZN 65 1%	I 131 75% H 3 24%	CS 137 51% CS 134 41% CS 136 2% ZN 65 4%	CS 137 53% CS 134 43% H 3 2%	CS 137 4% NB 95 81% CS 134 3% ZN 65 6% H 3 1%
TEENAGER	CS 137 66% CS 134 31%	CS 137 52% CS 134 44% ZN 65 1%	CS 137 45% CS 134 51% CS 136 1% ZN 65 1%	I 131 81% H 3 18%	CS 137 51% CS 134 41% CS 136 2% ZN 65 4%	CS 137 55% CS 134 42% H 3 1%	CS 137 4% NB 95 79% CS 134 3% MN 54 1% ZN 65 7% H 3 1%
CHILD	CS 137 68% CS 134 31%	CS 137 55% CS 134 43%	CS 137 44% CS 134 50% CS 136 1% ZN 65 1%	I 131 84% H 3 15%	CS 137 51% CS 134 41% CS 136 2% ZN 65 4%	CS 137 56% CS 134 42% H 3 1%	CS 137 5% NB 95 75% CS 134 3% MN 54 1% FE 59 1% ZN 65 8% H 3 2%

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	2.42E-02	4.20E-02	3.05E-02	4.23E-04	1.45E-02	4.62E-03	9.12E-03
FISH	TEENAGER	9.29E+03	5.11E-03	8.77E-03	3.58E-03	7.25E-05	2.31E-03	1.11E-03	1.26E-03
FISH	CHILD	5.61E+03	8.80E-03	1.06E-02	1.94E-03	1.01E-04	1.40E-03	1.21E-03	6.47E-04
FISH	TOTAL	7.30E+04	3.81E-02	6.14E-02	3.60E-02	5.96E-04	1.82E-02	6.94E-03	1.10E-02

Table VI-D-3

* * * POPULATION WATER CONSUMPTION DOSES * * *

DOSE (MAN-REM)

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	1.29E+08	7.22E-03	7.37E-02	7.04E-02	8.76E-02	6.63E-02	6.31E-02	6.76E-02
DRINKING	TEENAGER	1.93E+07	1.42E-03	9.58E-03	8.25E-03	1.18E-02	9.89E-03	7.58E-03	7.96E-03
DRINKING	CHILD	2.75E+07	5.75E-03	2.64E-02	2.13E-02	3.55E-02	1.41E-02	2.07E-02	2.09E-02
DRINKING	TOTAL	1.76E+08	1.44E-02	1.10E-01	9.99E-02	1.35E-01	9.03E-02	9.14E-02	9.64E-02

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	BA 140 7%	CS 137 7%	CS 137 5%	I 131 27%	CS 137 2%	CS 137 1%	BA 140 1%
	CS 137 59%	CS 134 6%	CS 134 5%	I 133 1%	CS 134 2%	H 3 97%	SB 124 1%
	CS 134 29%	H 3 83%	H 3 87%	H 3 70%	H 3 93%		H 3 91%
	ZN 65 1%						
TEENAGER	BA 140 7%	CS 137 12%	CS 137 4%	I 131 35%	CS 137 2%	CS 137 2%	SB 124 1%
	CS 137 60%	CS 134 10%	CS 134 5%	I 133 2%	CS 134 2%	CS 134 1%	H 3 91%
	CS 134 28%	H 3 76%	H 3 88%	H 3 61%	H 3 93%	H 3 96%	
CHILD	BA 140 8%	CS 137 13%	CS 137 2%	I 131 40%	CS 137 2%	CS 137 1%	H 3 95%
	CS 137 61%	CS 134 10%	CS 134 2%	I 133 3%	CS 134 2%	CS 134 1%	
	CS 134 28%	H 3 75%	H 3 93%	H 3 56%	H 3 93%	H 3 96%	

DOSE (MAN-REM)

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	2.12E+07	1.17E-03	1.19E-02	1.14E-02	1.42E-02	1.07E-02	1.02E-02	1.09E-02
DRINKING	TEENAGER	3.17E+06	2.30E-04	1.55E-03	1.34E-03	1.91E-03	1.60E-03	1.23E-03	1.29E-03
DRINKING	CHILD	4.52E+06	9.31E-04	4.27E-03	3.44E-03	5.74E-03	2.29E-03	3.35E-03	3.38E-03
DRINKING	TOTAL	2.89E+07	2.33E-03	1.77E-02	1.62E-02	2.18E-02	1.46E-02	1.48E-02	1.56E-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	BA 140 7%	CS 137 7%	CS 137 5%	I 131 27%	CS 137 2%	CS 137 1%	BA 140 1%
	CS 137 59%	CS 134 6%	CS 134 5%	I 133 1%	CS 134 2%	H 3 97%	SB 124 1%
	CS 134 29%	H 3 83%	H 3 87%	H 3 70%	H 3 93%		H 3 91%
	ZN 65 1%						

Table VI-D-4

TEENAGER	CS	137	60%	CS	134	10%	CS	134	5%	I	133	2%	CS	134	2%	CS	134	1%	H	3	91%
	CS	134	28%	H	3	76%	H	3	88%	H	3	61%	H	3	93%	H	3	96%			
CHILD																					
	BA	140	8%	CS	137	13%	CS	137	2%	I	131	40%	CS	137	2%	CS	137	1%	H	3	95%
	CS	137	61%	CS	134	10%	CS	134	2%	I	133	3%	CS	134	2%	CS	134	1%			
	CS	134	28%	H	3	75%	H	3	93%	H	3	56%	H	3	93%	H	3	96%			

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

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	CUMUL TOTAL	2.05E+08	1.67E-02	1.27E-01	1.16E-01	1.57E-01	1.05E-01	1.06E-01	1.12E-01

HYDROSPHERE TRITIUM DOSE

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
WATER	TOTAL	2.20E+00	1.77E-08	1.77E-08	1.77E-08	1.77E-08	1.77E-08	1.77E-08	1.77E-08

Table VI-D-5

* * * RECREATION POPULATION DOSES * * *

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
SHORELINE	TOTAL POPUL	4.10E+07	4.73E-02	4.05E-02	4.05E-02

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	46%	CS 137	46%
	CS 134	19%	CS 134	19%
	CO 60	29%	CO 60	29%

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
SWIMMING	TOTAL POPUL	4.10E+07	0.00E+00	7.14E-04	7.14E-04

LOCATION- DOWN STREAM

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

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	SKIN		TOTAL BODY	
ADULT				
			MO 99	4%
			TC 99M	2%
			I 131	2%
			I 133	1%
			BA 140	2%
			RU 1 3	1%
			CS 137	10%
			ZR 95	3%
			NB 95	2%
			CS 134	18%
			CO 58	4%
			MN 54	2%
			CS 136	7%
			FE 59	5%
			ZN 65	3%
			CO 60	13%
			LA 140	5%
			SB 124	7%

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
BOATING	TOTAL POPUL	4.10E+07	0.00E+00	3.57E-04	3.57E-04

LOCATION- DOWN STREAM

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

Table VI-D-6

* * * DOSE TO BIOTA * * *

MRADS PER 5YR

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

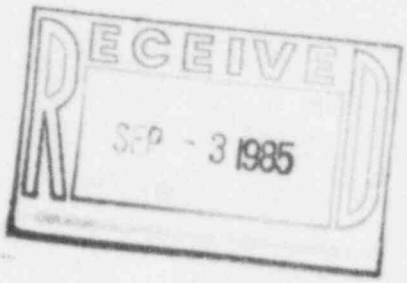
	INTERNAL	EXTERNAL	TOTAL
FISH	3.46E-01	3.17E-01	6.63E-01
INVERTEBRATE	3.04E-01	6.33E-01	9.37E-01
ALGAE	5.10E-01	1.12E-03	5.11E-01
MUSKRAT	1.78E+00	2.11E-01	1.99E+00
RACCOON	1.41E-01	1.58E-01	2.99E-01
HERON	7.74E+00	2.11E-01	7.95E+00
DUCK	1.50E+00	3.16E-01	1.82E+00

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY		BODY
FISH	CS 137	37%
	NB 95	26%
	CS 134	22%
	CS 136	6%
	ZN 65	1%
	H 3	3%
INVERTEBRATE	CE 141	3%
	BA 140	2%
	CS 137	2%
	CS 134	1%
	MN 54	54%
	FE 59	12%
	ZN 65	8%
	CO 60	1%
	LA 140	7%
	H 3	3%
ALGAE	MO 99	20%
	CE 141	9%
	BA 140	4%
	RU 1 3	1%
	CS 137	6%
	ZR 95	2%
	CS 134	3%
	MN 54	3%
	CS 136	1%
	FE 59	2%
	ZN 65	10%
	LA 140	21%
	SB 124	7%
	H 3	2%
MUSKRAT	MO 99	1%
	CS 137	39%
	CS 134	29%
	CS 136	1%
	ZN 65	24%
	H 3	1%
RACCOON	CS 137	18%
	CS 134	15%
	MN 54	19%
	FE 59	6%
	ZN 65	35%
	H 3	2%
HERON	CS 137	52%
	CS 134	44%
	CS 136	1%
	ZN 65	1%
DUCK	MO 99	1%
	CS 137	42%
	CS 134	29%
	CS 136	1%
	ZN 65	22%
	H 3	1%

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

August 30, 1985
LIC-85-399



Mr. Richard P. Denise, Director
Division of Resident, Reactor
Project & Engineering Programs
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 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, 1985, to June 30, 1985, inclusive.

Sincerely,

R L Jaworski for

R. L. Andrews
Division Manager
Nuclear Production

RLA/rs

Enclosure

cc: Mr. James M. Taylor, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555 (1)

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cb-789

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