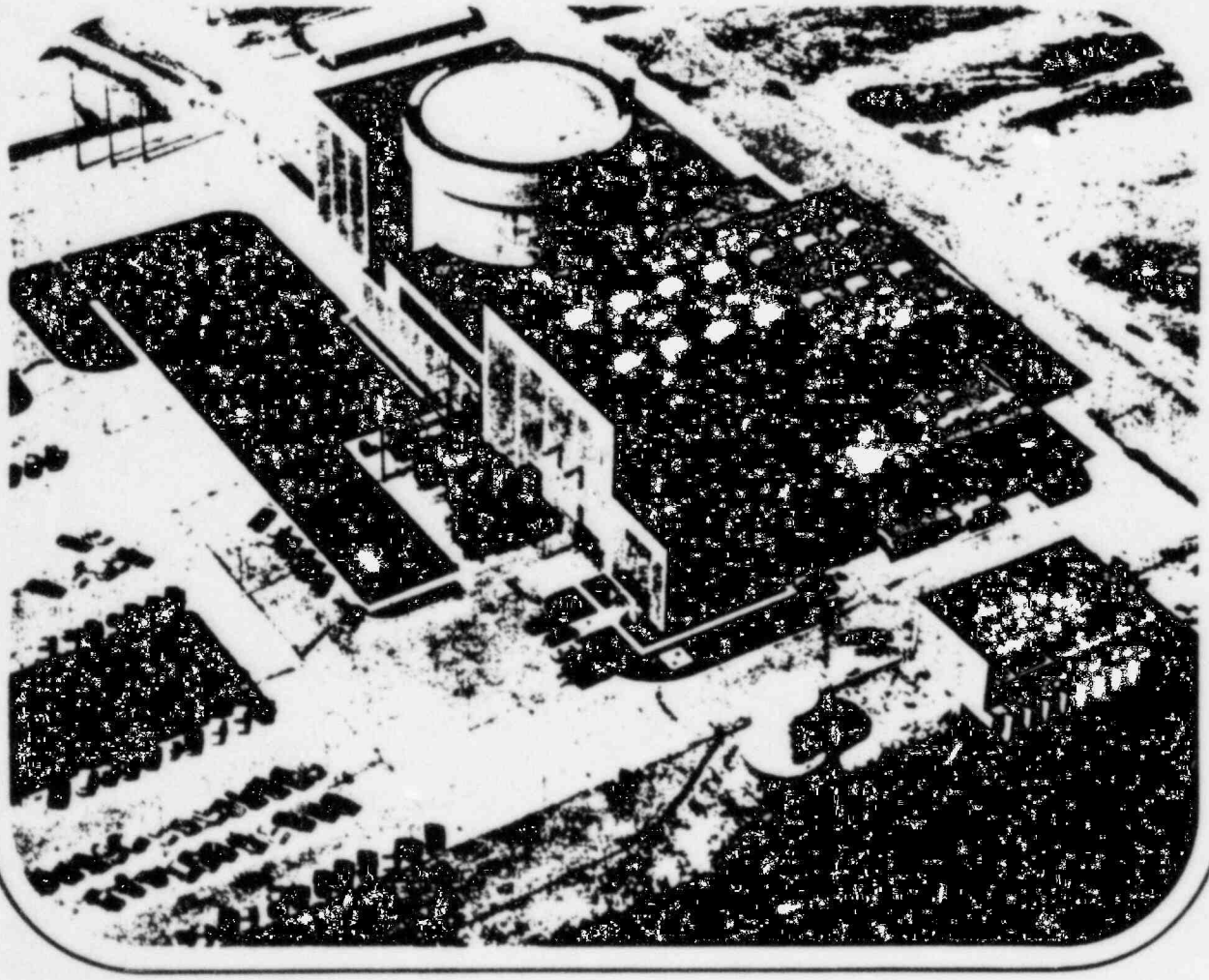
Omaha Public Power District
Fort Calhoun Station Unit No. 1

Annual Report
for
Technical Specification
Section 5.9.1.b
and Appendix B
January 1, 1984 to
December 31, 1984

Semi Annual Report
for
Technical Specification
Section 5.9.4
July 1, 1984 to
December 31, 1984 inclusive



Docket No. 50-285

Operating License No. DPR-40

IE25 1/1

Memorandum

Date: February 25, 1985 FC-311-85

From: W. G. Gates

To: Distribution

SUBJECT: Annual Report for Technical Specification Section 5.9.1.b
January 1, 1984 to December 31, 1984

Semi-Annual Report for Technical Specification Section 5.9.4
July 1, 1984 to December 31, 1984 inclusive

Attached you will find a copy of the 1984 Annual Report for January 1, 1984 through December 31, 1984 and Semi-Annual Report for July 1, 1984 through December 31, 1984 inclusive.

W. G. Gates
Manager
Fort Calhoun Station

WGG:baf

Attachment

Distribution:

R. L. Andrews
R. L. Jaworski
P. M. Surber
K. J. Morris
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A. W. Richard
G. L. Roach
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J. M. Mattice
H. F. Sterba

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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, 1984 through December 31, 1984 for the Annual Report for Technical Specification 5.9.1.b and the period of July 1, 1984 through December 31, 1984 for the Semi-Annual Report for Technical Specification 5.9.4.

W. G. Gates
Manager
Fort Calhoun Station

PART 1

SECTION I

OCCUPATIONAL PERSONNEL RADIATION EXPOSURE

TECHNICAL SPECIFICATION (5.9.1.b)

January 1, 1984 to December 31, 1984

OMAHA PUBLIC POWER DISTRICT FORT CALHOUN NUCLEAR STATION
PERSONNEL ACCUMULATIVE MREM RADIATION EXPOSURE
TO DATE 12-31-1984 TIME 2400

VI. OCCUPATIONAL PERSONNEL RADIATION EXPOSURE TECH. SPEC. 5.9.1.b
YEAR 1984

NUMBER OF PERSONNEL AND MAN-REM BY WORK & JOB FUNCTION

WORK & JOB FUNCTION	NUMBER OF PERSONNEL GREATER THAN 100 MREM				TOTAL MAN-REM			
	STATION EMPL.	UTILITY EMPL.	OTHER EMPL.	TOTAL EMPL.	STATION EMPL.	UTILITY EMPL.	OTHER EMPL.	TOTAL MAN-REM
*** REACTOR OPER. & SURV. ***								
MAINTENANCE PERSONNEL	5	1	20	26	1.750	0.775	17.893	20.418
ENGINEERING PERSONNEL	15	2	13	30	4.238	1.575	4.997	10.810
SUPERVISORY PERSONNEL	3	0	0	3	0.944	0.187	0.	1.131
OPERATING PERSONNEL	30	0	0	30	13.578	0.160	0.	13.738
HEALTH PHYS. PERSONNEL	17	0	23	40	19.585	0.	22.035	41.620
*** ROUTINE MAINTENANCE ***								
MAINTENANCE PERSONNEL	31	49	42	122	13.531	24.685	26.563	64.779
ENGINEERING PERSONNEL	2	2	1	5	1.123	0.835	0.419	2.377
SUPERVISORY PERSONNEL	0	0	0	0	0.135	0.045	0.	0.180
OPERATING PERSONNEL	0	0	0	0	0.092	0.	0.	0.092
HEALTH PHYS. PERSONNEL	1	0	2	3	0.250	0.	2.429	2.679
*** INSERVICE INSPECTION ***								
MAINTENANCE PERSONNEL	4	11	42	57	1.998	4.212	37.564	43.774
ENGINEERING PERSONNEL	5	6	6	17	2.532	2.662	4.546	9.740
SUPERVISORY PERSONNEL	0	0	0	0	0.	0.044	0.	0.044
OPERATING PERSONNEL	0	0	0	0	0.083	0.	0.	0.083
HEALTH PHYS. PERSONNEL	3	0	3	6	1.052	0.	0.880	1.932
*** SPECIAL MAINTENANCE ***								
MAINTENANCE PERSONNEL	38	61	215	314	32.038	31.619	149.146	212.803
ENGINEERING PERSONNEL	15	18	12	45	14.350	11.150	5.811	31.311
SUPERVISORY PERSONNEL	3	1	0	4	1.001	0.775	0.060	1.836
OPERATING PERSONNEL	0	0	0	0	0.549	0.	0.	0.549
HEALTH PHYS. PERSONNEL	9	0	2	11	6.486	0.	1.138	7.624
*** WASTE PROCESSING ***								
MAINTENANCE PERSONNEL	9	4	22	35	2.870	1.529	10.138	14.537
ENGINEERING PERSONNEL	0	0	0	0	0.197	0.059	0.010	0.266
SUPERVISORY PERSONNEL	0	0	0	0	0.	0.	0.	0.
OPERATING PERSONNEL	20	1	0	21	5.122	0.446	0.	5.568
HEALTH PHYS. PERSONNEL	6	0	0	6	8.895	0.	0.005	8.900
*** REFUELING ***								
MAINTENANCE PERSONNEL	14	31	34	79	6.331	14.165	17.443	37.939
ENGINEERING PERSONNEL	2	0	6	8	1.344	0.230	1.710	3.284
SUPERVISORY PERSONNEL	8	0	0	8	1.452	0.	0.	1.452
OPERATING PERSONNEL	26	0	0	26	4.272	0.035	0.	4.307
HEALTH PHYS. PERSONNEL	2	0	0	2	0.682	0.	0.165	0.847
*** TOTAL ***								
MAINTENANCE PERSONNEL	101	157	375	633	58.518	76.985	258.747	394.250
ENGINEERING PERSONNEL	39	28	38	105	23.784	16.511	17.493	57.788
SUPERVISORY PERSONNEL	14	1	0	15	3.532	1.051	0.060	4.643
OPERATING PERSONNEL	76	1	0	77	23.696	0.641	0.	24.337
HEALTH PHYS. PERSONNEL	38	0	30	68	36.950	0.	26.652	63.602
*** TOTAL ACCUMULATION ***	268	187	443	898				

NOTE: PERSONNEL MAY BE ACCOUNTED FOR MORE THAN ONE TIME BY RECEIVING >100 MREM ON EACH OF TWO OR MORE WORK AND JOB FUNCTIONS

TOTAL NUMBER OF PERSONNEL RECEIVING GREATER THAN 100 MREM AT FORT CALHOUN STATION DURING 1984

STATION EMPOLYEES	UTILITY EMPLOYEES	CONTRACT AND OTHERS
135	100	333

OMAHA PUBLIC POWER DISTRICT FORT CALHOUN NUCLEAR STATION
PERSONNEL ACCUMULATIVE MREM RADIATION EXPOSURE
TO DATE 12-31-1984 TIME 2400
LAST TLD UPDATE 11-30-1984

TABLE ICC - EXPOSURE RANGE REPORT

ESTIMATED WHOLE BODY EXPOSURE RANGE (REMS) 1	NUMBER OF INDIVIDUALS IN EACH RANGE
NO MEASUREABLE EXPOSURE	60
MEASUREABLE EXPOSURE LESS THAN 0.1	351
0.10 TO 0.25	89
0.25 TO 0.50	110
0.50 TO 0.75	97
0.75 TO 1.00	65
1.00 TO 2.00	145
2.00 TO 3.00	44
3.00 TO 4.00	10
4.00 TO 5.00	2
5.00 TO 6.00	0
6.00 TO 7.00	0
7.00 TO 8.00	0
8.00 TO 9.00	0
9.00 TO 10.00	0
10.00 TO 11.00	0
11.00 TO 12.00	0
GREATER THAN 12.00	0
TOTAL NUMBER OF PERSONNEL - 1984	973

1 = ALL PERSONNEL GROUPED BY JOB FUNCT.
2 = INDIVIDUAL PERSONNEL
3 = PERSONNEL EXCEED A LIMIT
4 = PERSONNEL BY JOB FUNCTION
5 = PERSONNEL EXCEEDING RESPIRATORY LIMIT
6 = PERSONNEL WITH NO PRINT OPTION IN AFFECT
7 = EXIT TO MAIN PROGRAM
ENTER (1-7)?7

ENTER -YES OR NO- FOR ANOTHER REPORT?YES

1. Individual values exactly equal to the values separating exposure ranges shall be reported in the higher range.

PART 2

SECTION I

RADIOACTIVE EFFLUENT RELEASES - GASEOUS EFFLUENTS

TECHNICAL SPECIFICATION (5.9.4.a.1)

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

July 1, 1984 to December 31, 1984

I. Radioactive Effluent Releases

A. GASEOUS EFFLUENTS

Radioactive gaseous releases for the reporting period totalled 1198 Curies of inert gases. The highest release rate was 3.23E+02 µCi/sec. or 0.39% 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 2.88E+01 µCi/sec. or 0.03% and 1.22E+02 µCi/sec. or 0.15% for each quarter respectively of the maximum release rate of the Technical Specifications (83,000 (Ci/sec.). This is 0.22% and 0.92% 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 6E-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 1.4E-04 µCi/sec. or 1.4% 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 3.194E-04 µCi/sec. or 0.34% 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 5.96E-05 µCi/sec. or 2.9% 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 9.89E-05 µCi/sec. or 0.1% and 6.36E-04 µCi/sec. or 0.68% for each quarter respectively of the maximum release rate of the Technical Specifications (0.094 µCi/sec.). This is 1.31% and 8.5% respectively of the 8% value specified (0.0075 µCi/sec.). Averaged over each calendar quarter of the reporting period, the particulate release rates were 4.24E-06 µCi/sec. or 0.21% and 1.58E-05 µCi/sec. or 0.79% for each quarter respectively of the maximum release rate of the Technical Specifications (0.002 µCi/sec.). This is 2.65% and 9.88% respectively of the 8% value specified (1.6E-04 µCi/sec.).

Radioactive tritium released during the reporting period totalled 2.209 Curies. Gross alpha radioactivity released during the reporting period totalled 7.87E-06 Curies.

TABLE 1A

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JULY THRU DEC 84

NUCLIDES IN CURIES		3 QUARTER CONT	3 QUARTER DECAY	3 QUARTER RM060	3 QUARTER TOTAL	4 QUARTER CONT	4 QUARTER DECAY	4 QUARTER RM060	4 QUARTER TOTAL
A. FISSION&ACTIVATION GASES									
TOTAL RELEASE	CI	2.28E+02	3.02E-01	0.00E+00	2.29E+02	4.43E+02	5.27E+02	0.00E+00	9.69E+02
AVG RELEASE RATE FOR PERIOD	UCI/SEC	2.87E+01	3.80E-02	0.00E+00	2.88E+01	5.57E+01	6.63E+01	0.00E+00	1.22E+02
PERCENT OF LIMIT TECH SPEC = 13280	%	2.16E-01	2.87E-04	0.00E+00	2.17E-01	4.19E-01	4.99E-01	0.00E+00	9.18E-01
B. IODINES									
TOTAL RELEASE IODINE - 131	CI	0.00E+00	0.00E+00	7.86E-04	7.86E-04	0.00E+00	0.00E+00	5.05E-03	5.05E-03
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	9.89E-05	9.89E-05	0.00E+00	0.00E+00	6.36E-04	6.36E-04
PERCENT OF LIMIT TECH SPEC = .00752	%	0.00E+00	0.00E+00	1.31E+00	1.31E+00	0.00E+00	0.00E+00	8.45E+00	8.45E+00
C. PARTICULATES									
PARTICULATES WITH HALF LIVES .GT. 8 DAYS	CI	0.00E+00	0.00E+00	3.37E-05	3.37E-05	0.00E+00	0.00E+00	1.26E-04	1.26E-04
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	4.24E-06	4.24E-06	0.00E+00	0.00E+00	1.58E-05	1.58E-05
PERCENT OF LIMIT TECH SPEC = .00016	%	0.00E+00	0.00E+00	2.65E+00	2.65E+00	0.00E+00	0.00E+00	9.88E+00	9.88E+00
GROSS ALPHA RADIOACTIVITY	CI	0.00E+00	0.00E+00	7.05E-07	7.05E-07	0.00E+00	0.00E+00	7.17E-06	7.17E-06
D. TRITIUM									
TOTAL RELEASE	CI	1.65E+00	1.05E-02	0.00E+00	1.66E+00	4.65E-01	8.33E-02	0.00E+00	5.49E-01
AVG RELEASE RATE FOR PERIOD	UCI/SEC	2.07E-01	1.32E-03	0.00E+00	2.09E-01	5.85E-02	1.05E-02	0.00E+00	6.90E-02
PERCENT OF LIMIT TECH SPEC = NONE	%								

TABLE 1C

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JULY THRU DEC 84

	3 QUARTER				4 QUARTER			
NUCLIDES IN CURIES	CONT	DECAY	RM060	TOTAL	CONT	DECAY	RM060	TOTAL
FISSION GASES								
XENON-133	2.07E+02	≤1.41E-03	0.00E+00	2.07E+02	4.16E+02	5.07E+02	0.00E+00	9.23E+02
KRYPTON-85M	1.01E+00	≤1.22E-05	0.00E+00	1.01E+00	2.34E-01	≤5.28E-02	0.00E+00	2.87E-01
XENON-131M	≤1.33E+00	≤4.69E-04	0.00E+00	1.33E+00	6.77E+00	6.74E+00	0.00E+00	1.35E+01
KRYPTON-88	4.33E-01	≤3.60E-05	0.00E+00	4.33E-01	7.11E-02	≤1.28E-01	0.00E+00	1.99E-01
XENON-133M	5.80E+00	≤8.45E-05	0.00E+00	5.80E+00	5.76E+00	3.38E+00	0.00E+00	9.13E+00
XENON-135	9.80E+00	≤9.95E-06	0.00E+00	9.80E+00	5.90E+00	≤1.12E-01	0.00E+00	6.01E+00
KRYPTON-87	7.85E-02	≤1.93E-05	0.00E+00	7.85E-02	4.35E-02	≤6.13E-02	0.00E+00	1.05E-01
XENON-138	≤1.14E-01	7.94E-05	0.00E+00	1.14E-01	≤9.48E-02	≤2.18E-01	0.00E+00	3.13E-01
KRYPTON-85	2.47E+00	3.00E-01	0.00E+00	2.77E+00	7.20E+00	9.12E+00	0.00E+00	1.63E+01
XENON-135M	≤2.69E-02	≤1.13E-05	0.00E+00	2.69E-02	≤2.47E-02	≤6.03E-02	0.00E+00	8.50E-02
ARGON-41	3.73E-01	≤5.71E-06	0.00E+00	3.73E-01	5.05E-01	≤3.86E-02	0.00E+00	5.44E-01
TOTAL FOR PERIOD	2.28E+02	3.02E-01	0.00E+00	2.29E+02	4.43E+02	5.27E+02	0.00E+00	9.69E+02
IODINES								
IODINE-131 CTD.	0.00E+00	0.00E+00	7.86E-04	7.86E-04	0.00E+00	0.00E+00	5.05E-03	5.05E-03
IODINE-133 CTD.	0.00E+00	0.00E+00	1.36E-03	1.36E-03	0.00E+00	0.00E+00	6.03E-04	6.03E-04
IODINE-135 CTD.	0.00E+00	0.00E+00	≤3.16E-05	3.16E-05	0.00E+00	0.00E+00	≤6.04E-05	6.04E-05
TOTAL FOR PERIOD	0.00E+00	0.00E+00	2.18E-03	2.18E-03	0.00E+00	0.00E+00	5.72E-03	5.72E-03
PARTICULATES								
STRONTIUM-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00*
STRONTIUM-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00*
IODINE-131 PRF.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IODINE-133 PRF.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BARIUM-140	0.00E+00	0.00E+00	≤1.59E-05	1.59E-05	0.00E+00	0.00E+00	≤5.73E-05	5.73E-05
CESIUM-137	0.00E+00	0.00E+00	≤7.14E-06	7.14E-06	0.00E+00	0.00E+00	≤2.71E-05	2.71E-05
CESIUM-134	0.00E+00	0.00E+00	≤6.47E-06	6.47E-06	0.00E+00	0.00E+00	≤2.49E-05	2.49E-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	≤4.18E-06	4.18E-06	0.00E+00	0.00E+00	≤1.64E-05	1.64E-05
TOTAL FOR PERIOD	0.00E+00	0.00E+00	3.37E-05	3.37E-05	0.00E+00	0.00E+00	1.26E-04	1.26E-04
ALPHA,TRITIUM & OTHER								
ALPHA	0.00E+00	0.00E+00	7.05E-07	7.05E-07	0.00E+00	0.00E+00	7.17E-06	7.17E-06
TRITIUM	1.65E+00	1.05E-02	0.00E+00	1.66E+00	4.65E-01	8.33E-02	0.00E+00	5.49E-01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	4.79E-06	4.79E-06	0.00E+00	0.00E+00	3.61E-05	3.61E-05

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

PART 2

SECTION II

RADIOACTIVE EFFLUENT RELEASES - LIQUID EFFLUENTS

TECHNICAL SPECIFICATION (5.9.4.a.2)

July 1, 1984 to December 31, 1984

II. Radioactive Effluent Releases

B. LIQUID EFFLUENTS

During the six months a total of 2.72 Curies of radioactive liquid materials less tritium and dissolved noble gases were released to the Missouri River at an average concentration of 7.64E-09 µCi/ml. This represents 7.64% 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 1.92E-07 µCi/ml primarily due to tne inclusion of dissolved noble gases.

Dilution water during the period amounted to 3.35E+11 liters, while radioactive liquid waste volume was 4.41E+07 liters including 145 batch releases and steam generator blowdown.

Additionally, 87.8 Curies of tritium were discharged at an average concentration of 2.77E-07 µCi/ml or 9.2E-3% of MPC (3.0E-03 µCi/ml).

Gross alpha radioactivity released during the reporting period totalled 2.88E-04 Curies and was discharged at an average concentration of 8.6E-13 µCi/ml or 2.86E-03% of MPC (3.0E-08 µCi/ml).

During the two calendar quarters in the reporting period, 2.66 Curies and 5.9E-02 Curies of radioactive liquids were released. This represents 26.6% and 0.59% 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 JULY THRU DEC 84

			3 QUARTER	4 QUARTER
A.	FISSION&ACTIVATION PRODUCTS			
	TOTAL RELEASE (NO TRITIUM,GAS,ALPHA)	CI	2.66E+00	5.90E-02
	AVG DILUTED CONCENTRATION	UCI/ML	1.49E-08	3.79E-10
	PERCENT OF LIMIT TECH SPEC = 3.0E-8	%	4.95E+01	1.26E+00
B.	TRITIUM			
	TOTAL RELEASE	CI	1.20E+01	7.58E+01
	AVG DILUTED CONCENTRATION	UCI/ML	6.70E-08	4.86E-07
	PERCENT OF LIMIT TECH SPEC = 3.0E-3	%	2.23E-03	1.62E-02
C.	DISSOLVED&ENTRAINED GASES			
	TOTAL RELEASE	CI	1.24E-01	3.10E-01
	AVG DILUTED CONCENTRATION	UCI/ML	6.94E-10	1.99E-09
	PERCENT OF LIMIT	%		
D.	GROSS ALPHA RADIOACTIVITY			
	TOTAL RELEASE	CI	2.74E-04	1.44E-05
E.	VOLUME OF WASTE RELEASE			
	PRIOR TO DIL.	LITERS	2.63E+07	1.78E+07
F.	VOLUME OF DILUTION WATER			
	THIS PERIOD	LITERS	1.79E+11	1.56E+11

TABLE 2B

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JULY THRU DEC 84

	3 QUARTER		4 QUARTER	
NUCLIDES IN CURIES	CONT	BATCH	CONT	BATCH
STRONTIUM-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00
STRONTIUM-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COBALT-57	6.50E-03	1.55E-04	8.71E-04	1.78E-04
MOLYBDENUM-99	3.00E-02	6.09E-04	4.47E-03	4.98E-04
TECHNETIUM-99M	3.29E-02	6.70E-04	4.55E-03	5.48E-04
CERIUM-141	1.04E-02	2.42E-04	1.34E-03	2.83E-04
TIN-117M	5.66E-03	1.31E-04	7.39E-04	1.60E-04
CHROMIUM-51	7.92E-02	1.14E-03	6.13E-03	1.12E-03
IODINE-131	7.37E-03	1.71E-03	8.00E-04	8.38E-03
IODINE-133	7.28E-03	1.47E-04	7.89E-04	3.27E-04
BARIUM-140	2.54E-02	4.97E-04	2.41E-03	4.08E-04
RUTHENIUM-103	9.84E-03	1.38E-04	6.77E-04	1.17E-04
CESIUM-137	1.03E+00	7.06E-03	3.00E-03	4.53E-03
ZIRCONIUM-95	3.62E-02	1.46E-04	1.11E-03	1.18E-04
NIOBIUM-95	6.20E-02	9.02E-05	6.71E-04	6.88E-05
CESIUM-134	9.67E-01	5.41E-03	2.48E-03	3.22E-03
COBALT-58	2.39E-01	4.46E-03	1.29E-03	6.99E-04
MANGANESE-54	1.68E-02	1.51E-04	6.69E-04	7.65E-05
CESIUM-136	3.69E-03	7.44E-05	7.91E-04	9.65E-05
IRON-59	7.11E-03	1.05E-04	1.10E-03	9.89E-05
ZINC-65	6.08E-03	1.19E-04	1.21E-03	1.10E-04
COBALT-60	4.76E-02	4.34E-04	1.07E-03	2.95E-04
LANTHANUM-140	1.18E-03	2.82E-05	4.91E-04	4.09E-05
ANTIMONY-124	2.77E-03	6.01E-05	9.49E-04	5.49E-05
TOTAL FOR PERIOD	2.64E+00	2.36E-02	3.76E-02	2.14E-02
DISSOLVED GASES				
ENTRAINED GASES				
XENON-133	2.29E-02	9.26E-02	3.83E-03	2.96E-01
XENON-135	5.79E-03	2.87E-03	7.03E-04	9.14E-03
TOTAL FOR PERIOD	2.87E-02	9.54E-02	4.53E-03	3.05E-01
OTHER, ALPHA & TRITIUM				
ALPHA	1.21E-04	1.53E-04	1.37E-05	6.91E-07
TRITIUM	6.18E-03	1.20E+01	1.86E-02	7.57E+01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	6.30E-03	1.20E+01	1.86E-02	7.57E+01
AVG. CONC. IN UCI/ML				
ALPHA	2.37E-12	8.58E-11	3.54E-13	5.72E-13
TRITIUM	1.06E-10	9.00E-06	2.06E-10	3.55E-05

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

PART 2

SECTION III

RADIOACTIVE EFFLUENT RELEASES - SOLID RADIOACTIVE WASTE

TECHNICAL SPECIFICATION (5.9.4.a.3)

July 1, 1984 to December 31, 1984

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

July, 1984 through December, 1984

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

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

1. Type of Waste	Month Shipped	Number of Shipments	Volume Cu. Meter	Curie Content	Est. Total % Error
a. Spent resins, filter sludges, evaporator bottoms, etc.	July	0	0	0	20%
	August	1	5.3	.796	20%
	September	3	22.2	12.945	20%
	October	2	10.1	1.354	20%
	November	2	17.2	3.937	20%
	December	2	16.2	4.480	20%
Six Month Total (Type A)		10	71.0	23.512	
b. Dry compressable, contaminated equipment, etc.	July	0	0	0	20%
	August	2	21.9	2.664	20%
	September	3	14.6	.839	20%
	October	2	16.2	1.673	20%
	November	2	4.7	.523	20%
	December	2	10.2	.436	20%
Six Month Total (Type B)		11	67.6	6.135	
c. Irradiated components and other categories	July	0	0	0	N/A
	August	0	0	0	N/A
	September	0	0	0	N/A
	October	0	0	0	N/A
	November	0	0	0	N/A
	December	0	0	0	N/A
Six Month Total (Type C)		0	0	0	
d. Other	July	0	0	0	N/A
	August	0	0	0	N/A
	September	0	0	0	N/A
	October	0	0	0	N/A
	November	0	0	0	N/A
	December	0	0	0	N/A
Six Month Total (Type D)		0	0	0	

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

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

1. Percentage of Curies from Represented Isotopes

	Isotope	%	Curies	
a.	Cs-137	51.4%	12.085	
	Cs-134	35.8%	8.417	All other nuclides
	Co-58	5.6%	1.316	constitute less
	H-3	7.2%	1.692	than 1%.
b.	Cs-137	53.0	3.251	All other nuclides
	Cs-134	38.7	2.374	constitute less
	Co-58	6.4	.392	than 1%.
c.	N/A	N/A	N/A	
d.	N/A	N/A	N/A	

C. SOLID WASTE (DISPOSITION)

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

D. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

Number of Shipments	Transportation Mode	Destination
N/A	N/A	N/A

PART 2

SECTION IV

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

(Regulatory Guide 1.21)

July 1, 1984 to December 31, 1984

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

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

TABLE 158 - A

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	3.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.1
NE	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.3
ENE	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.7
E	0.	0.	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.9
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	5.6
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.5
WNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NNW	0.	0.	0.	1.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	4.	2.4
N	0.	0.	0.	2.	1.	1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	6.	2.5
TOTAL	0.	0.	0.	10.	4.	6.	1.	2.	0.	0.	1.	0.	0.	0.	0.	24.	2.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.2

TABLE 158 - B

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	1.	4.	1.	1.	5.	0.	0.	0.	0.	0.	0.	0.	0.	12.	2.3
NE	0.	0.	0.	4.	1.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	9.	2.2
ENE	0.	0.	0.	1.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.4
E	0.	0.	1.	1.	2.	2.	0.	2.	3.	0.	0.	0.	0.	0.	0.	11.	2.9
ESE	0.	0.	0.	1.	1.	3.	1.	0.	2.	1.	0.	0.	0.	0.	0.	9.	3.1
SE	0.	0.	0.	1.	2.	1.	0.	1.	1.	1.	2.	1.	0.	0.	0.	10.	3.9
SSE	0.	0.	0.	1.	0.	2.	0.	1.	1.	1.	2.	1.	0.	0.	0.	9.	4.0
S	0.	0.	0.	1.	0.	2.	1.	1.	0.	1.	4.	4.	0.	0.	0.	14.	4.6
SSW	0.	0.	0.	1.	0.	0.	0.	1.	2.	0.	2.	0.	0.	0.	0.	6.	4.1
SW	0.	0.	0.	0.	3.	1.	1.	1.	0.	1.	0.	1.	1.	0.	0.	9.	3.8
WSW	0.	0.	0.	3.	2.	2.	1.	0.	0.	0.	0.	0.	1.	0.	0.	9.	2.8
W	0.	0.	0.	3.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.9
WNW	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.1
NW	0.	0.	0.	6.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.9
NNW	0.	0.	0.	1.	2.	6.	3.	1.	1.	0.	0.	0.	0.	0.	0.	14.	2.8
N	0.	0.	1.	8.	7.	10.	8.	7.	0.	0.	0.	0.	0.	0.	0.	41.	2.6
TOTAL	0.	0.	3.	36.	27.	37.	23.	15.	10.	5.	10.	7.	2.	0.	0.	175.	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 8.0

TABLE 158 - C

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	4.	2.4
NE	0.	0.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	3.	2.3
ENE	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.6
E	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.7
ESE	0.	0.	0.	1.	0.	4.	4.	1.	2.	0.	2.	0.	0.	0.	0.	14.	3.4
SE	0.	0.	1.	0.	2.	1.	2.	3.	5.	4.	1.	1.	0.	2.	0.	22.	4.2
SSE	0.	0.	0.	0.	1.	5.	4.	5.	7.	3.	2.	0.	8.	1.	0.	36.	4.7
S	0.	0.	0.	0.	4.	2.	2.	3.	8.	2.	1.	5.	4.	1.	0.	32.	4.6
SSW	0.	0.	0.	1.	0.	2.	5.	1.	1.	2.	4.	3.	2.	1.	0.	22.	4.6
SW	0.	0.	0.	0.	0.	2.	2.	2.	2.	1.	2.	3.	1.	0.	0.	15.	4.7
WSW	0.	0.	0.	0.	3.	1.	1.	0.	0.	0.	1.	0.	0.	0.	0.	6.	2.7
W	0.	0.	0.	2.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	2.1
WNW	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.5
NW	0.	0.	0.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.8
NNW	0.	0.	0.	1.	2.	0.	1.	5.	0.	0.	0.	0.	0.	0.	0.	9.	2.9
N	0.	0.	1.	2.	5.	8.	7.	2.	1.	2.	0.	0.	0.	0.	0.	28.	2.9
TOTAL	0.	0.	5.	13.	22.	29.	31.	22.	26.	14.	13.	12.	15.	5.	0.	207.	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.5

TABLE 158 - D

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	2.	8.	4.	5.	2.	0.	0.	1.	0.	0.	0.	0.	0.	22.	2.2
NE	0.	0.	3.	1.	5.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	1.8
ENE	0.	0.	0.	1.	6.	1.	2.	0.	1.	0.	0.	0.	0.	0.	0.	11.	2.4
E	0.	0.	1.	2.	7.	6.	2.	2.	0.	0.	0.	0.	0.	0.	0.	20.	2.5
ESE	0.	0.	0.	2.	5.	6.	2.	8.	2.	3.	3.	0.	1.	0.	0.	32.	3.4
SE	0.	0.	2.	5.	6.	6.	12.	10.	9.	7.	4.	5.	1.	2.	0.	69.	3.8
SSE	0.	0.	1.	2.	4.	10.	12.	11.	15.	4.	20.	5.	9.	2.	0.	95.	4.4
S	0.	0.	2.	1.	10.	9.	8.	22.	12.	12.	15.	14.	10.	1.	0.	116.	4.4
SSW	0.	0.	0.	3.	10.	3.	10.	4.	4.	8.	8.	13.	1.	1.	0.	65.	4.2
SW	0.	0.	0.	3.	2.	1.	3.	4.	0.	3.	2.	1.	1.	0.	0.	20.	3.6
WSW	0.	0.	0.	2.	1.	2.	0.	1.	2.	1.	0.	0.	0.	0.	0.	9.	3.1
W	0.	0.	4.	5.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.7
WNW	0.	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.9
NW	0.	0.	4.	2.	2.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.9
NNW	0.	1.	4.	10.	11.	17.	16.	17.	5.	6.	2.	0.	0.	0.	0.	89.	2.9
N	0.	0.	3.	9.	14.	8.	7.	1.	2.	0.	0.	0.	0.	0.	0.	44.	2.4
TOTAL	0.	1.	26.	57.	90.	81.	77.	80.	52.	45.	54.	38.	23.	6.	0.	630.	3.5

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 29.0

TAELE 158 - E

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	1.	3.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.8
NE	0.	1.	0.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.7
ENE	0.	1.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.2
E	0.	1.	5.	3.	3.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	14.	1.8
ESE	0.	1.	7.	12.	11.	4.	2.	0.	0.	0.	0.	0.	0.	0.	0.	37.	1.9
SE	0.	2.	7.	24.	15.	16.	13.	10.	2.	3.	6.	1.	1.	0.	0.	100.	2.7
SSE	0.	3.	4.	3.	14.	21.	23.	23.	16.	12.	11.	4.	3.	3.	1.	141.	3.7
S	0.	0.	3.	1.	4.	3.	12.	26.	17.	17.	22.	6.	0.	0.	0.	111.	4.1
SSW	0.	1.	3.	2.	2.	2.	4.	7.	4.	8.	18.	5.	1.	0.	0.	57.	4.3
SW	0.	3.	1.	3.	0.	3.	1.	0.	0.	0.	0.	1.	0.	0.	0.	12.	2.0
WSW	0.	2.	4.	2.	1.	2.	2.	0.	0.	2.	0.	0.	0.	0.	0.	15.	2.2
W	0.	5.	7.	1.	1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	16.	1.4
WNW	0.	5.	28.	9.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	43.	1.3
NW	0.	3.	23.	17.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	46.	1.4
NNW	0.	2.	9.	9.	7.	3.	1.	1.	0.	0.	0.	0.	0.	0.	0.	32.	1.8
N	0.	1.	5.	4.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	1.6
TOTAL	0.	31.	109.	97.	68.	57.	60.	68.	39.	43.	57.	17.	5.	3.	1.	655.	2.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 30.1

TABLE 158 - F

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	2.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.4
NE	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.3
ENE	0.	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.4
E	0.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.0
ESE	0.	0.	5.	8.	3.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	20.	1.9
SE	0.	0.	14.	19.	17.	18.	3.	2.	0.	0.	0.	0.	0.	0.	0.	73.	2.1
SSE	0.	4.	6.	1.	10.	7.	10.	3.	2.	0.	0.	0.	0.	0.	0.	43.	2.4
S	0.	7.	4.	2.	0.	6.	5.	6.	1.	2.	0.	0.	0.	0.	0.	33.	2.4
SSW	0.	8.	2.	0.	1.	0.	6.	4.	8.	3.	3.	3.	0.	0.	0.	38.	3.3
SW	0.	4.	2.	1.	0.	0.	0.	0.	0.	6.	2.	0.	0.	0.	0.	15.	3.0
WSW	0.	16.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	19.	0.8
W	0.	13.	17.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	30.	0.9
WNW	0.	7.	34.	6.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	50.	1.2
NW	0.	0.	8.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.3
NNW	0.	0.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.2
N	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.5
TOTAL	0.	63.	103.	46.	34.	32.	27.	16.	11.	11.	5.	3.	0.	0.	0.	351.	1.9

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 16.1

TABLE 158 - G

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.7
NE	0.	1.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.8
ENE	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.9
E	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.2
ESE	0.	1.	8.	3.	6.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	22.	1.8
SE	0.	4.	4.	7.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	18.	1.5
SSE	0.	1.	9.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	1.3
S	0.	5.	3.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	1.1
SSW	0.	9.	2.	1.	0.	0.	1.	0.	1.	0.	1.	0.	0.	0.	0.	15.	1.4
SW	0.	4.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.8
WSW	0.	11.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.9
W	0.	6.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	0.9
WNW	0.	1.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.1
NW	0.	2.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.9
NNW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
N	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.2
TOTAL	0.	47.	45.	22.	9.	4.	4.	0.	1.	0.	1.	0.	0.	0.	0.	133.	1.3

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 6.1

TABLE 158 - ALL

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	3.	5.	18.	9.	11.	9.	0.	0.	1.	0.	0.	0.	0.	0.	56.	2.1
NE	0.	2.	5.	10.	8.	6.	4.	0.	0.	0.	0.	0.	0.	0.	0.	35.	1.9
ENE	0.	2.	5.	6.	9.	3.	4.	0.	1.	0.	0.	0.	0.	0.	0.	30.	2.0
E	0.	2.	14.	10.	14.	9.	2.	4.	3.	1.	0.	0.	0.	0.	0.	59.	2.1
ESE	0.	2.	20.	27.	26.	20.	13.	10.	6.	4.	5.	0.	1.	0.	0.	134.	2.5
SE	0.	6.	28.	56.	43.	44.	30.	26.	17.	15.	13.	8.	2.	4.	0.	292.	2.9
SSE	0.	8.	20.	11.	29.	45.	49.	43.	41.	20.	35.	10.	20.	6.	1.	338.	3.7
S	0.	12.	12.	6.	20.	22.	28.	58.	38.	34.	43.	29.	14.	2.	0.	318.	4.0
SSW	0.	18.	7.	8.	13.	7.	26.	17.	20.	21.	36.	24.	4.	2.	0.	203.	3.9
SW	0.	11.	4.	7.	5.	7.	7.	7.	2.	11.	6.	6.	3.	0.	0.	76.	3.3
WSW	0.	29.	7.	10.	7.	7.	4.	1.	2.	3.	1.	0.	1.	0.	0.	72.	1.8
W	0.	24.	31.	13.	3.	6.	2.	0.	0.	0.	0.	0.	0.	0.	0.	79.	1.3
WNW	0.	13.	68.	18.	6.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	106.	1.2
NW	0.	5.	38.	33.	8.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	90.	1.5
NNW	0.	3.	16.	23.	25.	26.	22.	24.	6.	6.	2.	0.	0.	0.	0.	153.	2.6
N	0.	2.	11.	25.	30.	28.	22.	12.	3.	2.	0.	0.	0.	0.	0.	135.	2.4
TOTAL	0.	142.	291.	281.	255.	246.	223.	203.	139.	118.	141.	77.	45.	14.	1.	2176.	2.9

NUMBER OF INVALID OBSERVATIONS= 32.

PERCENT OF VALID OBSERVATIONS= 98.6

TABLE 159 - A

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.14	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.1
NE	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.3
ENE	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.7
E	0.00	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.9
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	5.6
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.5
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NNW	0.00	0.00	0.00	0.05	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.4
N	0.00	0.00	0.00	0.09	0.05	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.5
TOTAL	0.00	0.00	0.00	0.47	0.19	0.26	0.04	0.09	0.00	0.00	0.05	0.00	0.00	0.00	0.00	1.10	2.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 1.2

TABLE 159 - B

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.05	0.18	0.05	0.04	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	2.3
NE	0.00	0.00	0.00	0.18	0.05	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	2.2
ENE	0.00	0.00	0.00	0.05	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.4
E	0.00	0.00	0.05	0.05	0.09	0.09	0.00	0.09	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.51	2.9
ESE	0.00	0.00	0.00	0.05	0.05	0.14	0.04	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.41	3.1
SE	0.00	0.00	0.00	0.05	0.09	0.05	0.00	0.05	0.05	0.04	0.09	0.04	0.00	0.00	0.00	0.46	3.9
SSE	0.00	0.00	0.00	0.05	0.00	0.09	0.00	0.05	0.05	0.04	0.09	0.04	0.00	0.00	0.00	0.41	4.0
S	0.00	0.00	0.00	0.05	0.00	0.09	0.05	0.05	0.00	0.04	0.18	0.18	0.00	0.00	0.00	0.64	4.6
SSW	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.28	4.1
SW	0.00	0.00	0.00	0.00	0.14	0.05	0.05	0.05	0.00	0.04	0.00	0.04	0.04	0.00	0.00	0.41	3.8
WSW	0.00	0.00	0.00	0.14	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.41	2.8
W	0.00	0.00	0.00	0.14	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.9
WNW	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	2.1
NW	0.00	0.00	0.00	0.28	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.9
NNW	0.00	0.00	0.00	0.05	0.09	0.27	0.14	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.64	2.8
N	0.00	0.00	0.05	0.37	0.32	0.46	0.37	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	2.6
TOTAL	0.00	0.00	0.15	1.69	1.25	1.68	1.07	0.71	0.46	0.20	0.45	0.30	0.08	0.00	0.00	8.04	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 8.0

TABLE 159 - C

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.09	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	2.4
NE	0.00	0.00	0.05	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.3
ENE	0.00	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.6
E	0.00	0.00	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	0.19	1.7
ESE	0.00	0.00	0.00	0.05	0.00	0.18	0.18	0.05	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.64	3.4
SE	0.00	0.00	0.05	0.00	0.09	0.05	0.09	0.14	0.23	0.18	0.05	0.04	0.00	0.09	0.00	1.01	4.2
SSE	0.00	0.00	0.00	0.00	0.05	0.23	0.18	0.23	0.32	0.14	0.09	0.00	0.37	0.05	0.00	1.66	4.7
S	0.00	0.00	0.00	0.00	0.18	0.09	0.09	0.14	0.37	0.09	0.05	0.23	0.18	0.05	0.00	1.47	4.6
SSW	0.00	0.00	0.00	0.05	0.00	0.09	0.23	0.05	0.05	0.09	0.18	0.14	0.09	0.04	0.00	1.01	4.6
SW	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.05	0.09	0.14	0.05	0.00	0.00	0.69	4.7
WSW	0.00	0.00	0.00	0.00	0.14	0.05	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.28	2.7
W	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.1
WNW	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	0.00	0.00	0.09	1.5
NW	0.00	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.8
NNW	0.00	0.00	0.00	0.05	0.09	0.00	0.04	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	2.9
N	0.00	0.00	0.05	0.09	0.23	0.37	0.32	0.09	0.05	0.09	0.00	0.00	0.00	0.00	0.00	1.29	2.9
TOTAL	0.00	0.00	0.25	0.60	1.01	1.34	1.40	1.02	1.20	0.64	0.59	0.55	0.69	0.23	0.00	9.52	3.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.5

TABLE 159 - D

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.09	0.37	0.18	0.23	0.09	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	1.01	2.2
NE	0.00	0.00	0.14	0.05	0.23	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.8
ENE	0.00	0.00	0.00	0.05	0.27	0.05	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.51	2.4
E	0.00	0.00	0.05	0.09	0.32	0.28	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	2.5
ESE	0.00	0.00	0.00	0.09	0.23	0.27	0.09	0.37	0.09	0.14	0.14	0.00	0.05	0.00	0.00	1.47	3.4
SE	0.00	0.00	0.09	0.23	0.28	0.28	0.55	0.46	0.41	0.32	0.18	0.23	0.05	0.09	0.00	3.17	3.8
SSE	0.00	0.00	0.05	0.09	0.19	0.46	0.55	0.51	0.69	0.18	0.92	0.23	0.41	0.09	0.00	4.37	4.4
S	0.00	0.00	0.09	0.05	0.46	0.41	0.37	1.01	0.55	0.55	0.69	0.64	0.46	0.05	0.00	5.33	4.4
SSW	0.00	0.00	0.00	0.14	0.46	0.14	0.46	0.18	0.18	0.37	0.37	0.60	0.05	0.04	0.00	2.99	4.2
SW	0.00	0.00	0.00	0.14	0.09	0.05	0.14	0.18	0.00	0.14	0.09	0.05	0.04	0.00	0.00	0.92	3.6
WSW	0.00	0.00	0.00	0.09	0.05	0.09	0.00	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.41	3.1
W	0.00	0.00	0.18	0.23	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.7
WNW	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	0.00	0.00	0.14	1.9
NW	0.00	0.00	0.18	0.09	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.9
NNW	0.00	0.05	0.18	0.46	0.51	0.78	0.73	0.78	0.23	0.28	0.09	0.00	0.00	0.00	0.00	4.09	2.9
N	0.00	0.00	0.14	0.41	0.64	0.37	0.32	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	2.02	2.4
TOTAL	0.00	0.05	1.19	2.63	4.14	3.73	3.53	3.68	2.38	2.07	2.48	1.75	1.06	0.27	0.00	28.96	3.5

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 29.0

TABLE 159 - E

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.05	0.14	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.8
NE	0.00	0.05	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	0.23	1.7
ENE	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	0.00	0.00	0.23	1.2
E	0.00	0.05	0.23	0.14	0.14	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.64	1.8
ESE	0.00	0.05	0.32	0.55	0.51	0.18	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.9
SE	0.00	0.09	0.32	1.10	0.69	0.73	0.60	0.46	0.09	0.14	0.28	0.05	0.05	0.00	0.00	4.60	2.7
SSE	0.00	0.14	0.18	0.14	0.64	0.96	1.06	1.06	0.73	0.55	0.51	0.18	0.14	0.14	0.05	6.48	3.7
S	0.00	0.00	0.14	0.05	0.18	0.14	0.55	1.19	0.78	0.78	1.01	0.28	0.00	0.00	0.00	5.10	4.1
SSW	0.00	0.05	0.14	0.09	0.09	0.09	0.18	0.32	0.18	0.37	0.83	0.23	0.05	0.00	0.00	2.62	4.3
SW	0.00	0.14	0.05	0.14	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.55	2.0
WSW	0.00	0.09	0.19	0.09	0.05	0.09	0.09	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.69	2.2
W	0.00	0.23	0.32	0.05	0.05	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.4
WNW	0.00	0.23	1.29	0.41	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	1.3
NW	0.00	0.14	1.06	0.78	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	1.4
NNW	0.00	0.09	0.41	0.41	0.32	0.14	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	1.8
N	0.00	0.05	0.23	0.18	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	1.6
TOTAL	0.00	1.45	5.02	4.45	3.13	2.59	2.75	3.13	1.78	1.97	2.63	0.78	0.24	0.14	0.05	30.11	2.9

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 30.1

TABLE 159 - F

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.09	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.4
NE	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	0.00	0.00	0.09	1.3
ENE	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.4
E	0.00	0.04	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	0.18	1.0
ESE	0.00	0.00	0.23	0.37	0.14	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1.9
SE	0.00	0.00	0.65	0.87	0.78	0.83	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.36	2.1
SSE	0.00	0.18	0.28	0.05	0.46	0.32	0.46	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.98	2.4
S	0.00	0.32	0.18	0.09	0.00	0.28	0.23	0.28	0.05	0.09	0.00	0.00	0.00	0.00	0.00	1.52	2.4
SSW	0.00	0.37	0.09	0.00	0.05	0.00	0.27	0.18	0.37	0.14	0.14	0.14	0.00	0.00	0.00	1.75	3.3
SW	0.00	0.18	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.28	0.09	0.00	0.00	0.00	0.00	0.69	3.0
WSW	0.00	0.73	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.8
W	0.00	0.60	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.9
WNW	0.00	0.32	1.56	0.28	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	1.2
NW	0.00	0.00	0.37	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.3
NNW	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.2
N	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.5
TOTAL	0.00	2.88	4.75	2.11	1.57	1.48	1.23	0.73	0.51	0.51	0.23	0.14	0.00	0.00	0.00	16.14	1.9

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 16.1

TABLE 159 - G

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.7
NE	0.00	0.05	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	0.14	1.8
ENE	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	0.9
E	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
ESE	0.00	0.05	0.37	0.14	0.27	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	1.8
SE	0.00	0.19	0.18	0.32	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	1.5
SSE	0.00	0.05	0.41	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	1.3
S	0.00	0.23	0.14	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1.1
SSW	0.00	0.41	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	0.69	1.4
SW	0.00	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.8
WSW	0.00	0.50	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	0.64	0.9
W	0.00	0.27	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.9
WNW	0.00	0.05	0.23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.1
NW	0.00	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.9
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
N	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.2
TOTAL	0.00	2.17	2.07	1.01	0.41	0.18	0.18	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	6.11	1.3

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 6.1

TABLE 159 - ALL

DATA PERIOD 07/01/1984 THROUGH 09/30/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.14	0.23	0.83	0.41	0.50	0.41	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	2.57	2.1
NE	0.00	0.09	0.23	0.46	0.37	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	1.9
ENE	0.00	0.09	0.23	0.28	0.41	0.14	0.18	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.38	2.0
E	0.00	0.09	0.64	0.46	0.64	0.41	0.09	0.19	0.14	0.05	0.00	0.00	0.00	0.00	0.00	2.71	2.1
ESE	0.00	0.09	0.92	1.24	1.19	0.92	0.60	0.46	0.28	0.18	0.23	0.00	0.05	0.00	0.00	6.16	2.5
SE	0.00	0.28	1.29	2.57	1.98	2.02	1.38	1.19	0.78	0.69	0.60	0.37	0.09	0.18	0.00	13.42	2.9
SSE	0.00	0.37	0.92	0.50	1.33	2.07	2.25	1.98	1.88	0.92	1.61	0.46	0.92	0.27	0.05	15.53	3.7
S	0.00	0.55	0.55	0.28	0.92	1.01	1.29	2.66	1.75	1.56	1.98	1.33	0.64	0.09	0.00	14.61	4.0
SSW	0.00	0.83	0.32	0.37	0.60	0.32	1.20	0.78	0.92	0.97	1.65	1.10	0.18	0.09	0.00	9.33	3.9
SW	0.00	0.51	0.18	0.32	0.23	0.32	0.32	0.32	0.09	0.50	0.28	0.28	0.14	0.00	0.00	3.49	3.3
WSW	0.00	1.33	0.32	0.46	0.32	0.32	0.18	0.05	0.09	0.14	0.05	0.00	0.05	0.00	0.00	3.31	1.8
W	0.00	1.10	1.42	0.60	0.14	0.28	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	1.3
WNW	0.00	0.60	3.12	0.83	0.27	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.87	1.2
NW	0.00	0.23	1.75	1.52	0.37	0.23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14	1.5
NNW	0.00	0.14	0.73	1.06	1.15	1.19	1.01	1.10	0.28	0.28	0.09	0.00	0.00	0.00	0.00	7.03	2.6
N	0.00	0.09	0.51	1.15	1.38	1.29	1.01	0.55	0.14	0.09	0.00	0.00	0.00	0.00	0.00	6.21	2.4
TOTAL	0.00	6.53	13.36	12.93	11.71	11.30	10.23	9.33	6.40	5.43	6.49	3.54	2.07	0.63	0.05	100.00	2.9

NUMBER OF INVALID OBSERVATIONS= 32.

PERCENT OF VALID OBSERVATIONS= 98.6

TABLE 158 - A

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.9
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
E	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.9
SSE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
S	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.8
NW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	0.	0.	0.	3.	6.0
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.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.8
TOTAL	0.	1.	0.	0.	0.	3.	1.	0.	0.	0.	1.	2.	0.	0.	0.	8.	3.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.4

TABLE 158 - B

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	2.	4.3
NE	0.	0.	0.	2.	2.	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	7.	2.7
ENE	0.	1.	1.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.9
E	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.1
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	0.	1.	0.	0.	0.	1.	1.	1.	1.	0.	1.	0.	0.	6.	4.4
SSE	0.	0.	0.	0.	1.	0.	0.	1.	0.	1.	0.	2.	0.	0.	0.	5.	4.7
S	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.	2.	0.	0.	6.	5.4
SSW	0.	0.	0.	0.	1.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	3.	3.1
SW	0.	0.	0.	0.	0.	0.	1.	0.	1.	2.	2.	0.	1.	0.	0.	7.	5.1
WSW	0.	0.	1.	3.	2.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	9.	2.2
W	0.	0.	1.	1.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.2
WNW	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	0.	4.	2.8
NW	0.	0.	2.	0.	1.	1.	3.	1.	0.	0.	6.	5.	0.	0.	0.	19.	4.4
NNW	0.	0.	1.	1.	3.	6.	3.	7.	3.	2.	3.	1.	0.	0.	0.	30.	3.4
N	0.	0.	0.	0.	1.	1.	4.	4.	0.	0.	0.	0.	0.	0.	0.	10.	3.2
TOTAL	0.	1.	7.	10.	16.	12.	16.	15.	9.	8.	14.	9.	4.	0.	0.	121.	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 5.6

TABLE 158 - C

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	1.	1.	4.	5.	4.	3.	0.	0.	0.	0.	0.	0.	18.	3.2
NE	0.	1.	1.	1.	0.	3.	3.	2.	0.	0.	0.	0.	0.	0.	0.	11.	2.6
ENE	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.1
E	0.	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.9
ESE	0.	0.	0.	0.	1.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	3.	2.9
SE	0.	0.	0.	0.	0.	1.	2.	0.	0.	2.	3.	3.	1.	0.	0.	12.	5.0
SSE	0.	0.	1.	1.	3.	2.	1.	0.	0.	1.	2.	2.	0.	0.	0.	13.	3.6
S	0.	0.	2.	2.	1.	1.	0.	1.	0.	0.	3.	4.	2.	1.	0.	17.	4.6
SSW	0.	2.	1.	2.	1.	0.	0.	1.	1.	1.	0.	0.	2.	2.	0.	13.	4.0
SW	0.	0.	0.	0.	2.	1.	0.	3.	3.	2.	2.	1.	0.	0.	0.	14.	4.2
WSW	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.4
W	0.	0.	2.	5.	1.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	10.	2.0
WNW	0.	0.	1.	2.	2.	0.	2.	1.	5.	1.	4.	2.	0.	0.	0.	20.	3.9
NW	0.	1.	0.	3.	6.	5.	2.	2.	1.	5.	3.	2.	1.	0.	0.	31.	3.4
NNW	0.	1.	1.	1.	6.	5.	9.	8.	8.	6.	6.	0.	0.	0.	0.	51.	3.5
N	1.	3.	2.	2.	8.	6.	2.	2.	3.	4.	0.	0.	0.	0.	0.	33.	2.6
TOTAL	1.	8.	11.	21.	36.	31.	26.	24.	26.	22.	23.	14.	6.	3.	0.	252.	3.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 11.6

TABLE 158 - D

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	1.	1.	5.	6.	0.	1.	5.	3.	1.	0.	0.	0.	0.	0.	0.	23.	2.2
NE	0.	4.	2.	2.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	10.	1.7
ENE	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	4.	3.2
E	0.	0.	2.	2.	2.	2.	0.	1.	1.	1.	0.	0.	0.	0.	0.	11.	2.5
ESE	0.	3.	2.	7.	4.	3.	6.	2.	3.	1.	3.	0.	0.	0.	0.	34.	2.7
SE	0.	1.	9.	4.	13.	10.	21.	24.	16.	16.	11.	4.	0.	0.	0.	129.	3.5
SSE	2.	1.	2.	3.	8.	4.	17.	16.	21.	12.	27.	18.	7.	4.	2.	144.	4.5
S	0.	1.	1.	4.	5.	4.	3.	12.	5.	11.	17.	22.	14.	1.	1.	101.	5.0
SSW	2.	0.	0.	2.	2.	1.	5.	4.	2.	2.	13.	13.	16.	5.	5.	72.	5.8
SW	3.	4.	1.	3.	1.	3.	2.	3.	1.	1.	3.	5.	2.	1.	1.	34.	3.7
WSW	0.	4.	0.	1.	3.	2.	3.	0.	2.	2.	1.	3.	1.	0.	0.	22.	3.4
W	0.	2.	7.	7.	3.	7.	2.	3.	1.	2.	2.	1.	0.	0.	0.	37.	2.5
WNW	2.	4.	3.	6.	5.	7.	9.	4.	6.	3.	8.	0.	0.	0.	0.	57.	3.0
NW	1.	5.	15.	7.	14.	18.	19.	4.	10.	18.	11.	7.	2.	0.	0.	131.	3.3
NNW	9.	4.	7.	18.	16.	15.	8.	6.	7.	4.	13.	7.	0.	0.	0.	114.	2.9
N	2.	3.	5.	10.	8.	10.	3.	2.	2.	1.	3.	0.	0.	0.	0.	49.	2.3
TOTAL	22.	37.	61.	83.	84.	87.	104.	86.	79.	75.	112.	80.	42.	11.	9.	972.	3.7

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 44.6

TABLE 158 - E

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	4.	3.	0.	1.	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	12.	1.7
NE	0.	3.	1.	1.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	7.	1.8
ENE	1.	6.	4.	1.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	13.	1.1
E	0.	0.	2.	3.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	7.	2.0
ESE	3.	2.	3.	5.	9.	3.	3.	2.	0.	0.	1.	0.	0.	0.	0.	31.	2.0
SE	7.	8.	14.	9.	16.	21.	17.	8.	8.	3.	6.	6.	2.	0.	3.	128.	2.9
SSE	3.	3.	1.	5.	2.	9.	12.	2.	10.	7.	17.	6.	1.	0.	12.	90.	4.8
S	2.	4.	3.	3.	6.	9.	5.	4.	6.	4.	10.	11.	0.	0.	0.	67.	3.7
SSW	2.	1.	3.	4.	3.	3.	1.	0.	2.	2.	6.	3.	1.	0.	0.	31.	3.5
SW	4.	5.	6.	2.	2.	4.	5.	1.	0.	3.	1.	1.	2.	0.	0.	36.	2.5
WSW	4.	4.	1.	1.	0.	3.	2.	3.	1.	0.	0.	0.	1.	0.	0.	20.	2.1
W	6.	4.	9.	2.	5.	2.	1.	0.	1.	1.	1.	2.	0.	0.	0.	34.	1.9
WNW	5.	11.	16.	7.	3.	3.	0.	1.	0.	0.	0.	0.	0.	0.	0.	46.	1.2
NW	4.	11.	18.	12.	5.	3.	3.	1.	0.	0.	0.	0.	0.	0.	0.	57.	1.4
NNW	3.	4.	5.	3.	2.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	19.	1.3
N	0.	3.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	1.2
TOTAL	48.	72.	87.	60.	54.	62.	51.	24.	32.	21.	42.	29.	7.	0.	15.	604.	2.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 27.6

TABLE 158 - F

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
NE	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.7
ENE	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
E	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.1
ESE	0.	4.	4.	0.	1.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	12.	1.5
SE	1.	6.	6.	4.	2.	8.	1.	0.	2.	0.	2.	0.	1.	0.	1.	34.	2.5
SSE	1.	8.	1.	4.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	16.	1.2
S	0.	1.	4.	1.	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	11.	2.3
SSW	1.	1	1.	0.	0.	0.	0.	0.	0.	2.	2.	1.	0.	0.	0.	8.	3.5
SW	0.	2.	1.	0.	0.	0.	3.	0.	0.	0.	2.	0.	0.	0.	0.	8.	2.8
WSW	1.	1.	0.	2.	1.	0.	0.	1.	0.	1.	1.	0.	0.	0.	0.	8.	2.4
W	2.	5.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.8
WNW	4.	10.	6.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	24.	0.9
NW	2.	8.	13.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	27.	1.0
NNW	0.	1.	1.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.5
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
TOTAL	12.	52.	41.	20.	7.	11.	6.	2.	5.	4.	7.	1.	1.	0.	1.	170.	1.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 7.8

TABLE 158 - G

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	3.	4.5
NE	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	2.	3.2
ENE	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.0
E	0.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.0
ESE	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.0
SE	1.	0.	1.	0.	0.	0.	0.	0.	2.	2.	0.	0.	0.	0.	0.	6.	3.1
SSE	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.3
S	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.6
SSW	1.	0.	0.	0.	0.	0.	0.	0.	3.	3.	2.	0.	0.	0.	0.	9.	4.1
SW	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.9
WSW	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.8
W	0.	3.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.8
WNW	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.8
NW	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.4
NNW	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	4.	2.4
N	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	3.	4.3
TOTAL	7.	14.	15.	1.	0.	0.	0.	0.	5.	5.	3.	0.	1.	0.	2.	53.	2.2

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 2.4

TABLE 158 - ALL

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	5.	4.	7.	8.	1.	5.	11.	8.	6.	2.	0.	0.	0.	0.	1.	58.	2.6
NE	0.	12.	4.	6.	2.	4.	5.	4.	2.	1.	1.	0.	0.	0.	0.	41.	2.1
ENE	1.	9.	6	3.	2.	0.	2.	1.	2.	0.	0.	0.	0.	0.	0.	26.	1.5
E	0.	1.	9.	6.	7.	2.	0.	1.	2.	1.	0.	0.	0.	0.	0.	29.	2.0
ESE	3.	11.	10.	12.	15.	8.	10.	4.	5.	1.	4.	0.	0.	0.	0.	83.	2.2
SE	9.	15.	30.	18.	31.	41.	41.	33.	29.	24.	23.	13.	5.	0.	4.	316.	3.2
SSE	7.	12.	5.	13.	15.	15.	30.	19.	32.	21.	46.	28.	8.	4.	14.	269.	4.4
S	3.	7.	11.	10.	13.	15.	9.	18.	12.	17.	31.	38.	18.	2.	1.	205.	4.3
SSW	6.	4.	5.	8.	7.	4.	7.	5.	9.	10.	23.	17.	19.	7.	5.	136.	4.8
SW	7.	13.	9.	5.	5.	8.	11.	7.	5.	8.	10.	7.	5.	1.	1.	102.	3.3
WSW	6.	9.	3.	7.	7.	7.	6.	4.	4.	3.	2.	3.	2.	0.	0.	63.	2.6
W	8.	14.	23.	16.	10.	12.	4.	3.	3.	3.	3.	3.	0.	0.	0.	102.	2.0
WNW	11.	27.	28.	18.	12.	11.	11.	6.	11.	4.	13.	2.	0.	0.	0.	154.	2.2
NW	8.	26.	48.	26.	26.	27.	27.	8.	11.	23.	21.	16.	3.	0.	0.	270.	2.8
NNW	13.	11.	15.	26.	27.	28.	20.	22.	18.	12.	22.	8.	1.	0.	0.	223.	2.9
N	3.	10.	9.	13.	17.	19.	10.	8.	5.	5.	3.	0.	0.	0.	1.	103.	2.5
TOTAL	90.	185.	222.	195.	197.	206.	204.	151.	156.	135.	202.	135.	61.	14.	27.	2180.	3.2

NUMBER OF INVALID OBSERVATIONS= 28.

PERCENT OF VALID OBSERVATIONS= 98.7

TABLE 159 - A

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.9
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.9
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.04	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	0.04	0.8
NW	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	0.00	0.14	6.0
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	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.8
TOTAL	0.00	0.04	0.00	0.00	0.00	0.15	0.04	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.37	3.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.4

TABLE 159 - B

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.09	4.3
NE	0.00	0.00	0.00	0.09	0.09	0.00	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.7
ENE	0.00	0.05	0.05	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.9
E	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.1
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	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.04	0.00	0.04	0.00	0.00	0.28	4.4
SSE	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.04	0.00	0.09	0.00	0.00	0.00	0.23	4.7
S	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.05	0.04	0.09	0.00	0.00	0.28	5.4
SSW	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.14	3.1
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.09	0.09	0.00	0.04	0.00	0.00	0.32	5.1
WSW	0.00	0.00	0.05	0.14	0.09	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.41	2.2
W	0.00	0.00	0.05	0.05	0.04	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.2
WNW	0.00	0.00	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.18	2.8
NW	0.00	0.00	0.09	0.00	0.05	0.05	0.14	0.04	0.00	0.00	0.27	0.23	0.00	0.00	0.00	0.87	4.4
NNW	0.00	0.00	0.05	0.05	0.14	0.27	0.14	0.32	0.14	0.09	0.14	0.04	0.00	0.00	0.00	1.38	3.4
N	0.00	0.00	0.00	0.00	0.05	0.05	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	3.2
TOTAL	0.00	0.05	0.34	0.48	0.74	0.55	0.73	0.69	0.41	0.36	0.63	0.40	0.17	0.00	0.00	5.55	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 5.6

TABLE 159 - C

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.05	0.04	0.18	0.23	0.18	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3.2
NE	0.00	0.05	0.04	0.04	0.00	0.14	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	2.6
ENE	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	2.1
E	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	0.00	0.00	0.14	1.9
ESE	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.9
SE	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.09	0.14	0.14	0.04	0.00	0.00	0.55	5.0
SSE	0.00	0.00	0.05	0.05	0.14	0.09	0.05	0.00	0.00	0.04	0.09	0.09	0.00	0.00	0.00	0.60	3.6
S	0.00	0.00	0.09	0.09	0.05	0.05	0.00	0.05	0.00	0.00	0.14	0.18	0.09	0.04	0.00	0.78	4.6
SSW	0.00	0.09	0.05	0.09	0.05	0.00	0.00	0.05	0.05	0.04	0.00	0.00	0.09	0.09	0.00	0.60	4.0
SW	0.00	0.00	0.00	0.00	0.09	0.05	0.00	0.14	0.14	0.09	0.09	0.04	0.00	0.00	0.00	0.64	4.2
WSW	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	2.4
W	0.00	0.00	0.09	0.23	0.05	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.46	2.0
WNW	0.00	0.00	0.05	0.09	0.09	0.00	0.09	0.05	0.23	0.05	0.18	0.09	0.00	0.00	0.00	0.92	3.9
NW	0.00	0.05	0.00	0.14	0.27	0.23	0.09	0.09	0.05	0.23	0.14	0.09	0.04	0.00	0.00	1.42	3.4
NNW	0.00	0.05	0.05	0.05	0.27	0.23	0.41	0.37	0.37	0.27	0.27	0.00	0.00	0.00	0.00	2.34	3.5
N	0.05	0.14	0.09	0.09	0.37	0.27	0.09	0.09	0.14	0.18	0.00	0.00	0.00	0.00	0.00	1.51	2.6
TOTAL	0.05	0.38	0.51	0.97	1.66	1.43	1.19	1.11	1.20	0.99	1.05	0.63	0.26	0.13	0.00	11.56	3.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 11.6

TABLE 159 - D

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

DT100 = -0.5 TO -1.4 IN 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	0.05	0.23	0.27	0.00	0.05	0.23	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	1.06	2.2
NE	0.00	0.18	0.09	0.09	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.46	1.7
ENE	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.18	3.2
E	0.00	0.00	0.09	0.09	0.09	0.09	0.00	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.50	2.5
ESE	0.00	0.14	0.09	0.32	0.18	0.14	0.27	0.09	0.14	0.05	0.14	0.00	0.00	0.00	0.00	1.56	2.7
SE	0.00	0.05	0.41	0.18	0.60	0.46	0.96	1.10	0.74	0.73	0.51	0.18	0.00	0.00	0.00	5.92	3.5
SSE	0.09	0.05	0.09	0.14	0.37	0.18	0.78	0.74	0.96	0.55	1.24	0.83	0.32	0.18	0.09	6.61	4.5
S	0.00	0.05	0.05	0.18	0.23	0.18	0.14	0.55	0.23	0.50	0.78	1.01	0.64	0.05	0.04	4.63	5.0
SSW	0.09	0.00	0.00	0.09	0.09	0.05	0.23	0.18	0.09	0.09	0.60	0.60	0.73	0.23	0.23	3.30	5.8
SW	0.14	0.18	0.05	0.14	0.05	0.14	0.09	0.14	0.05	0.04	0.14	0.23	0.09	0.04	0.04	1.56	3.7
WSW	0.00	0.18	0.00	0.05	0.14	0.09	0.14	0.00	0.09	0.09	0.05	0.14	0.04	0.00	0.00	1.01	3.4
W	0.00	0.09	0.32	0.32	0.14	0.32	0.09	0.14	0.05	0.09	0.09	0.05	0.00	0.00	0.00	1.70	2.5
WNW	0.09	0.18	0.14	0.28	0.23	0.32	0.41	0.18	0.27	0.14	0.37	0.00	0.00	0.00	0.00	2.61	3.0
NW	0.05	0.23	0.69	0.32	0.64	0.83	0.87	0.18	0.46	0.83	0.50	0.32	0.09	0.00	0.00	6.01	3.3
NNW	0.41	0.18	0.32	0.83	0.73	0.69	0.37	0.28	0.32	0.18	0.60	0.32	0.00	0.00	0.00	5.23	2.9
N	0.09	0.14	0.23	0.46	0.37	0.46	0.14	0.09	0.09	0.04	0.14	0.00	0.00	0.00	0.00	2.25	2.3
TOTAL	1.01	1.70	2.80	3.81	3.86	4.00	4.77	3.95	3.62	3.42	5.16	3.68	1.91	0.50	0.40	44.59	3.7

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 44.6

TABLE 159 - E

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.18	0.14	0.00	0.05	0.00	0.00	0.05	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.55	1.7
NE	0.00	0.14	0.05	0.05	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.8
ENE	0.05	0.27	0.18	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.60	1.1
E	0.00	0.00	0.09	0.14	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.0
ESE	0.14	0.09	0.14	0.23	0.41	0.14	0.14	0.09	0.00	0.00	0.04	0.00	0.00	0.00	0.00	1.42	2.0
SE	0.32	0.37	0.64	0.41	0.73	0.96	0.78	0.37	0.37	0.14	0.28	0.27	0.09	0.00	0.14	5.87	2.9
SSE	0.14	0.14	0.05	0.23	0.09	0.41	0.55	0.09	0.46	0.32	0.78	0.27	0.05	0.00	0.55	4.13	4.8
S	0.09	0.18	0.14	0.14	0.28	0.41	0.23	0.18	0.28	0.18	0.46	0.50	0.00	0.00	0.00	3.07	3.7
SSW	0.09	0.05	0.14	0.18	0.14	0.14	0.05	0.00	0.09	0.09	0.27	0.14	0.04	0.00	0.00	1.42	3.5
SW	0.18	0.23	0.27	0.09	0.09	0.18	0.23	0.05	0.00	0.14	0.05	0.05	0.09	0.00	0.00	1.65	2.5
WSW	0.18	0.18	0.05	0.05	0.00	0.14	0.09	0.14	0.05	0.00	0.00	0.00	0.04	0.00	0.00	0.92	2.1
W	0.27	0.18	0.41	0.09	0.23	0.09	0.05	0.00	0.05	0.05	0.05	0.09	0.00	0.00	0.00	1.56	1.9
WNW	0.23	0.50	0.73	0.32	0.14	0.14	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	1.2
NW	0.18	0.50	0.83	0.55	0.23	0.14	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	1.4
NNW	0.14	0.18	0.23	0.14	0.09	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.3
N	0.00	0.14	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	0.28	1.2
TOTAL	2.19	3.29	4.00	2.77	2.48	2.84	2.35	1.11	1.47	0.96	1.93	1.32	0.31	0.00	0.69	27.71	2.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 27.6

TABLE 159 - F

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	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	0.14	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	0.7
ENE	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	0.7
E	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	0.00	0.00	0.09	1.1
ESE	0.00	0.18	0.18	0.00	0.05	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.5
SE	0.05	0.27	0.27	0.18	0.09	0.37	0.05	0.00	0.09	0.00	0.09	0.00	0.05	0.00	0.05	1.56	2.5
SSE	0.05	0.37	0.05	0.18	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.2
S	0.00	0.05	0.18	0.05	0.00	0.05	0.05	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.50	2.3
SSW	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.04	0.00	0.00	0.00	0.37	3.5
SW	0.00	0.09	0.05	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.37	2.8
WSW	0.05	0.05	0.00	0.09	0.05	0.00	0.00	0.05	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.37	2.4
W	0.09	0.23	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	0.46	0.8
WNW	0.18	0.46	0.28	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.9
NW	0.09	0.37	0.60	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.0
NNW	0.00	0.05	0.05	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.5
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	0.56	2.40	1.89	0.91	0.32	0.51	0.29	0.09	0.21	0.17	0.31	0.04	0.05	0.00	0.05	7.80	1.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 7.8

TABLE 159 - G

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.14	4.5
NE	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.09	3.2
ENE	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.0
E	0.00	0.04	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	0.18	1.0
ESE	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.0
SE	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.27	3.1
SSE	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	0.3
S	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.6
SSW	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.09	0.00	0.00	0.00	0.00	0.41	4.1
SW	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.9
WSW	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	0.00	0.09	0.8
W	0.00	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.8
WNW	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	0.8
NW	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
NNW	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.18	2.4
N	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.14	4.3
TOTAL	0.34	0.65	0.68	0.04	0.00	0.00	0.00	0.00	0.23	0.23	0.13	0.00	0.04	0.00	0.09	2.43	2.2

NUMBER OF INVALID OBSERVATIONS= 1.

PERCENT OF VALID OBSERVATIONS= 2.4

TABLE 159 - ALL

DATA PERIOD 10/01/1984 THROUGH 12/31/1984 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.23	0.18	0.32	0.37	0.05	0.23	0.50	0.37	0.27	0.09	0.00	0.00	0.00	0.00	0.05	2.66	2.6
NE	0.00	0.55	0.18	0.28	0.09	0.18	0.23	0.18	0.09	0.05	0.05	0.00	0.00	0.00	0.00	1.88	2.1
ENE	0.05	0.41	0.27	0.14	0.09	0.00	0.09	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.5
E	0.00	0.05	0.41	0.27	0.32	0.09	0.00	0.05	0.09	0.05	0.00	0.00	0.00	0.00	0.00	1.33	2.0
ESE	0.14	0.50	0.46	0.55	0.69	0.37	0.46	0.18	0.23	0.05	0.18	0.00	0.00	0.00	0.00	3.81	2.2
SE	0.41	0.69	1.38	0.83	1.42	1.88	1.88	1.51	1.33	1.10	1.06	0.60	0.23	0.00	0.18	14.50	3.2
SSE	0.32	0.55	0.23	0.60	0.69	0.69	1.38	0.87	1.47	0.96	2.11	1.28	0.37	0.18	0.64	12.34	4.4
S	0.14	0.32	0.50	0.46	0.60	0.69	0.41	0.83	0.55	0.78	1.42	1.74	0.82	0.09	0.05	9.40	4.3
SSW	0.28	0.18	0.23	0.37	0.32	0.18	0.32	0.23	0.41	0.46	1.06	0.78	0.87	0.32	0.23	6.24	4.8
SW	0.32	0.60	0.41	0.23	0.23	0.37	0.50	0.32	0.23	0.37	0.46	0.32	0.23	0.05	0.04	4.68	3.3
WSW	0.28	0.41	0.14	0.32	0.32	0.32	0.28	0.18	0.18	0.14	0.09	0.14	0.09	0.00	0.00	2.89	2.6
W	0.37	0.64	1.05	0.73	0.46	0.55	0.18	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	4.68	2.0
WNW	0.51	1.24	1.28	0.83	0.55	0.50	0.50	0.28	0.50	0.18	0.60	0.09	0.00	0.00	0.00	7.06	2.2
NW	0.37	1.19	2.20	1.19	1.19	1.24	1.24	0.37	0.51	1.06	0.96	0.73	0.14	0.00	0.00	12.39	2.8
NNW	0.60	0.50	0.69	1.19	1.24	1.28	0.92	1.01	0.82	0.55	1.01	0.37	0.05	0.00	0.00	10.23	2.9
N	0.14	0.46	0.41	0.59	0.78	0.87	0.46	0.37	0.23	0.23	0.14	0.00	0.00	0.00	0.04	4.72	2.5
TOTAL	4.16	8.47	10.16	8.95	9.04	9.44	9.35	6.94	7.14	6.21	9.28	6.19	2.80	0.64	1.23	100.00	3.2

NUMBER OF INVALID OBSERVATIONS= 28.

PERCENT OF VALID OBSERVATIONS= 98.7

RELEASE NUMBER 84035 CONTAINMENT PURGE

STARTING TIME JULY 5,1984 HOUR 16 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	3.9	6.6	-1.1
17	3.3	88.9	-0.4
18	2.2	138.4	0.9
19	1.7	252.3	2.9
20	1.7	197.4	3.8
21	1.8	257.8	4.7
22	1.6	207.3	5.0
23	1.6	239.9	4.6
24	1.7	254.4	5.1
1	2.2	155.4	3.2
2	2.9	130.2	2.4
3	3.9	126.2	0.9
4	6.5	131.0	-0.8
5	8.8	116.0	-1.2
6	10.1	133.4	-1.4
7	11.8	122.8	-1.5
8	13.4	136.6	-1.6
9	12.3	143.0	-1.7
10	12.7	132.9	-1.8
11	14.1	140.9	-1.7
12	12.8	147.9	-1.7
13	13.1	140.3	-1.6
14	12.9	150.4	-1.4
15	12.4	154.1	-1.2
16	12.1	152.8	-0.9
17	9.2	149.9	-0.4
18	9.3	142.3	-0.2
19	10.5	139.4	-0.4
20	11.4	142.7	-0.5
21	13.5	144.7	-0.6
22	12.0	145.2	-0.6
23	13.9	150.2	-0.6
24	10.8	160.9	-0.7
1	3.7	350.3	-0.9
2	3.9	96.6	-0.7
3	7.2	127.5	-0.9
4	11.5	131.9	-1.1
5	8.1	121.6	-1.2
6	8.3	128.9	-1.6
7	7.7	141.0	-1.7
8	7.6	151.7	-1.6
9	8.9	160.4	-1.6
10	8.8	160.2	-1.4
11	9.1	175.7	-1.3
12	12.4	210.5	-1.2
13	11.0	201.9	-1.0
14	9.7	185.4	-0.5

STOP TIME JULY 7,1984 HOUR 13 MINUTE 58

STARTING TIME JULY 7,1984 HOUR 16 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	8.2	154.7	0.6
17	9.2	157.5	0.2
18	10.7	175.4	-0.1
19	7.0	207.6	-0.0
20	7.7	198.9	0.7
21	9.1	204.0	0.4
22	12.6	199.6	0.2
23	14.1	200.1	-0.3
24	10.1	230.6	-0.5
1	13.3	148.2	-0.3
2	12.4	145.8	-0.3
3	14.0	149.9	-0.3
4	13.4	156.6	-0.6
5	6.4	275.7	-0.8
6	3.2	55.8	-0.7
7	5.9	120.1	-0.7
8	10.9	330.9	-0.9
9	9.7	125.2	-1.1
10	8.0	130.7	-1.3
11	8.4	135.8	-1.0
12	7.2	151.0	-1.0
13	9.4	160.6	-1.5
14	9.8	165.7	-1.4
15	9.3	166.2	-1.4
16	10.9	198.5	-1.1
17	11.6	209.2	-1.1
18	10.6	193.5	-0.6
19	8.5	179.1	-0.2
20	7.8	162.9	0.1
21	9.2	156.9	1.3
22	11.3	164.4	1.2
23	8.0	202.4	1.5
24	7.1	203.7	1.8
1	9.2	204.2	0.6
2	11.5	205.9	0.4
3	13.6	198.7	0.1
4	14.9	206.8	-0.4
5	6.1	241.1	1.0
6	5.4	234.5	1.1
7	2.8	224.3	3.0
8	5.0	200.9	3.4

STOP TIME JULY 9,1984 HOUR 7 MINUTE 14

RELEASE NUMBER 84036 CONTAINMENT PURGE

STARTING TIME JULY 12,1984 HOUR 18 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	13.8	168.4	-1.0
19	12.6	166.2	-0.6
20	10.0	158.5	-0.5
21	9.2	151.2	-0.1
22	10.8	161.3	-0.2
23	11.2	165.4	-0.3
24	12.3	169.9	-0.1
1	12.4	169.9	-0.3
2	9.8	161.0	-0.3
3	10.4	165.4	-0.1
4	9.1	164.8	-0.1
5	8.5	167.9	0.1
6	9.1	178.1	0.1
7	9.5	180.0	0.4
8	10.2	182.7	1.1
9	9.1	164.9	-0.1
10	10.5	168.9	-0.8
11	9.8	170.5	-1.1
12	14.2	183.8	-1.3
13	13.8	188.3	-1.1
14	9.3	193.3	-1.1
15	7.9	213.2	-0.9
16	4.9	263.3	-1.3
17	6.2	348.0	-0.8
18	11.3	339.6	-1.2
19	10.0	359.2	-1.6
20	10.7	30.4	-1.4
21	8.8	67.4	-1.0
22	5.3	88.0	-0.8
23	4.0	353.6	-0.9
24	3.9	332.9	-0.7
1	4.9	330.6	-0.6
2	5.1	333.4	-0.6
3	3.8	318.7	-0.3
4	4.0	317.3	-0.2
5	3.1	312.3	-0.2
6	2.7	313.5	0.1
7	2.8	322.9	-0.3
8	3.4	323.2	-0.4
9	4.7	335.5	-0.6
10	4.4	342.1	-1.7
11	4.1	350.1	-2.3
12	5.7	348.2	-1.9
13	5.1	353.4	-1.8
14	5.7	357.6	-1.7
15	6.2	354.4	-1.6
16	5.0	352.5	-1.7
17	5.3	5.2	-1.8
18	4.7	10.7	-1.7

19	5.4	46.1	-1.7
20	4.0	19.4	-1.3
21	3.0	86.9	-0.6
22	1.5	217.6	2.0
23	1.2	225.9	3.9
24	1.1	271.7	4.6
1	1.0	270.1	5.2
2	1.1	272.0	5.3
3	1.2	233.5	5.2
4	2.0	136.4	6.5
5	1.4	206.1	7.2
6	2.4	150.6	6.5
7	1.9	62.0	6.0
8	2.1	67.5	4.5
9	2.2	73.3	0.4
10	3.6	142.9	-0.7
11	9.0	194.6	-1.2
12	11.2	214.5	-1.5
13	11.9	218.5	-1.5
14	13.6	217.0	-1.6
15	11.8	209.3	-1.6
16	13.1	195.0	-1.6
17	14.2	213.3	-1.5
18	14.5	207.5	-1.4
19	15.5	214.2	-1.2
20	10.2	202.9	-0.7
21	8.1	194.5	-0.2
22	7.1	186.7	0.0
23	8.7	137.2	0.3
24	4.5	177.7	0.9
1	3.6	244.6	2.1
2	1.9	265.3	1.0
3	3.0	251.9	1.4
4	4.0	224.2	2.1
5	3.7	256.8	2.2
6	2.6	316.5	0.7
7	2.2	337.3	2.0
8	2.3	323.5	1.7
9	3.3	327.3	-0.4

STOP TIME JULY 16,1984 HOUR 8 MINUTE 10

RELEASE NUMBER 84037 CONTAINMENT PURGE

STARTING TIME JULY 19,1984 HOUR 20 MINUTE 9

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	6.2	98.5	-0.8
21	6.1	100.4	-0.5
22	4.3	135.8	0.4
23	3.5	136.0	1.4
24	3.7	142.0	1.1
1	3.4	144.9	1.0
2	5.2	138.0	1.6
3	5.9	142.0	0.9
4	7.0	151.1	0.8
5	6.8	151.8	0.8
6	6.4	152.0	0.6
7	6.2	148.0	0.8
8	5.9	144.8	1.4
9	6.5	130.7	0.9
10	8.0	161.9	-0.8
11	9.4	181.2	-1.1
12	11.0	174.0	-1.2
13	12.4	177.7	-1.2
14	11.6	167.2	-1.3
15	13.3	169.1	-1.1
16	12.4	173.2	-0.9
17	12.7	172.2	-0.9
18	12.8	164.9	-1.0
19	12.2	164.3	-0.8
20	11.9	166.6	-0.5
21	11.2	162.4	-0.3
22	10.5	153.8	-0.1
23	11.9	156.1	-0.1
24	12.4	165.4	-0.2
1	5.1	140.2	1.6
2	6.3	142.7	1.1
3	6.9	155.2	0.9
4	7.4	154.9	0.8
5	6.6	101.4	0.7
6	6.6	149.8	0.7
7	6.3	147.1	1.4
8	6.9	135.6	1.1
9	8.0	154.9	-0.4
10	9.4	184.5	-1.0
11	10.3	180.3	-1.1
12	12.7	180.6	-1.1
13	12.0	168.4	-1.2
14	14.2	173.5	-1.0
15	12.6	173.4	-0.9
16	14.3	175.3	-0.8
17	13.0	166.6	-1.0
18	12.7	167.6	-0.8
19	13.0	167.6	-0.4
20	11.5	164.5	-0.2

21	-99.0	-99.0	-99.0
22	-99.0	-99.0	-99.0
23	-99.0	-99.0	-99.0
24	-99.0	-99.0	-99.0
1	-99.0	-99.0	-99.0
2	13.7	175.7	-0.2
3	12.4	179.1	-0.2
4	10.2	177.1	-0.1
5	10.5	180.9	-0.1
6	11.1	183.8	0.1
7	13.1	186.2	0.2
8	13.5	189.8	-0.2
9	13.7	193.0	-0.6
10	13.0	194.2	-1.0
11	13.0	192.7	-1.1
12	13.8	195.6	-1.2
13	13.5	193.6	-1.3
14	13.4	195.0	-1.3
15	12.8	186.8	-1.3
16	12.9	196.1	-1.2
17	14.5	194.8	-1.1
18	13.4	197.3	-0.8

STOP TIME JULY 22,1984 HOUR 17 MINUTE 40

RELEASE NUMBER 84038 CONTAINMENT PURGE

STARTING TIME JULY 26,1984 HOUR 21 MINUTE 24

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	2.1	188.3	1.6
22	1.6	248.5	2.4
23	5.1	138.3	1.3
24	4.2	130.0	0.4
1	3.3	139.0	0.9
2	3.0	151.2	0.6
3	2.1	156.0	0.9
4	1.5	302.1	2.2
5	1.1	145.3	1.2
6	1.1	236.1	1.1
7	1.3	85.4	0.8
8	1.6	165.4	0.6
9	3.9	119.1	0.4
10	5.4	120.5	-0.7
11	7.9	129.3	-1.4
12	6.8	130.8	-1.5
13	6.9	120.8	-1.6
14	6.3	121.4	-1.8
15	6.0	127.4	-1.8
16	7.3	121.2	-1.6
17	7.1	106.9	-1.6
18	6.3	109.4	-1.7
19	6.2	94.3	-1.3
20	6.9	105.9	-0.9
21	6.0	107.0	-0.6
22	3.3	132.6	0.6
23	2.9	131.0	1.1
24	3.6	132.7	1.3
1	4.0	132.0	1.0
2	3.7	133.9	1.1
3	4.8	133.1	1.2
4	6.0	143.9	1.0
5	7.5	141.5	1.0
6	7.1	146.4	0.9
7	6.2	138.2	1.3
8	4.0	153.4	1.0
9	3.3	119.3	0.0
10	6.5	132.9	-0.7
11	7.8	146.0	-1.3
12	9.4	163.7	-1.5
13	8.7	160.7	-1.6
14	8.0	157.7	-1.6
15	8.1	146.0	-1.7
16	9.4	126.6	-1.7
17	9.6	133.0	-1.6
18	10.0	136.4	-1.5
19	9.9	134.2	-1.4
20	9.4	136.9	-1.1
21	6.3	129.7	-0.4

22	4.9	130.3	0.8
23	5.5	141.0	1.8
24	6.3	128.0	2.9
1	5.4	132.3	3.4
2	5.9	135.0	4.1
3	6.6	122.4	3.5
4	7.1	147.2	2.4
5	6.5	142.3	3.0
6	6.6	146.7	1.9
7	6.9	150.8	1.8
8	5.3	141.7	2.1
9	5.3	133.7	0.7
10	7.7	149.6	-0.8
11	9.4	164.4	-1.3
12	9.7	164.5	-1.5
13	9.4	152.5	-1.6
14	8.1	154.4	-1.7
15	8.7	163.9	-1.7
16	7.9	160.3	-1.6
17	9.1	149.7	-1.5
18	8.8	154.2	-1.4
19	7.9	158.8	-1.3
20	8.8	138.8	-1.0
21	8.1	139.3	-0.4
22	7.9	143.9	0.3
23	7.3	148.3	0.9
24	7.5	151.9	1.1
1	7.4	154.0	1.4
2	7.7	155.4	1.0
3	8.7	160.8	0.2
4	9.1	163.6	-0.2
5	10.6	170.3	-0.1
6	9.2	180.6	-0.0
7	8.3	171.1	-0.0
8	8.2	165.5	-0.0

STOP TIME JULY 30,1984 HOUR 7 MINUTE 23

RELEASE NUMBER 84039 CONTAINMENT PURGE

STARTING TIME AUG 4,1984 HOUR 0 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	5.8	165.1	1.2
2	5.7	156.6	1.3
3	7.0	175.3	0.7
4	8.6	177.4	0.2
5	9.1	184.9	0.1
6	9.7	191.5	0.3
7	9.3	193.2	0.8
8	9.4	183.1	0.5
9	9.2	181.4	-0.4
10	11.2	194.6	-0.9
11	9.9	201.9	-1.4
12	6.2	217.5	-1.6
13	5.0	199.4	-1.5
14	3.6	174.8	-1.8
15	4.7	182.3	-1.7
16	6.1	177.2	-1.5
17	7.2	197.9	-1.5
18	6.0	188.9	-1.4
19	5.1	191.6	-1.2
20	4.3	180.9	-0.6
21	2.8	168.4	1.0
22	2.7	157.1	3.8
23	5.6	165.5	2.6
24	6.4	185.2	2.1
1	8.1	191.2	1.8
2	8.2	191.7	1.7
3	8.6	191.6	1.5
4	7.9	191.1	1.9
5	6.5	185.9	2.0
6	4.1	92.2	0.9
7	3.9	132.6	1.6
8	3.3	144.6	1.8
9	4.9	123.6	0.2
10	4.3	162.3	-1.2
11	5.5	174.5	-1.4
12	4.5	168.5	-1.6
13	3.3	202.3	-1.6
14	6.3	161.4	-1.6
15	6.8	162.4	-1.5
16	6.3	158.9	-1.4
17	6.9	157.8	-1.4

STOP TIME AUG 5,1984 HOUR 16 MINUTE 59

STARTING TIME AUG 5,1984 HOUR 17 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	6.9	157.8	-1.4
18	6.1	162.8	-1.3
19	4.8	159.9	-1.0
20	3.5	124.7	-0.4
21	2.4	101.3	1.4
22	1.7	148.4	2.2
23	3.5	125.9	2.5
24	3.7	124.7	2.2
1	2.3	89.0	2.9
2	1.5	82.0	3.0
3	1.4	192.2	2.7
4	2.2	168.2	3.4
5	3.3	70.8	3.2
6	4.1	103.8	0.8
7	3.1	110.1	0.4
8	3.5	215.6	-0.5
9	5.2	235.5	-1.1
10	3.6	287.6	-1.7
11	3.8	306.8	-1.4
12	3.6	260.3	-1.3
13	3.0	12.0	-1.8
14	3.9	251.0	-2.0
15	5.1	265.7	-1.9
16	4.6	288.8	-1.5
17	7.0	337.3	-0.7
18	4.2	334.4	-0.8
19	4.1	353.2	-1.3
20	1.8	330.6	-0.7
21	2.1	281.7	0.4
22	1.6	289.2	1.0
23	2.3	219.4	1.9
24	2.7	210.4	1.8
1	2.4	293.0	1.3
2	2.8	337.3	1.6
3	3.1	348.8	0.5
4	3.6	338.2	0.8
5	2.0	47.6	0.8
6	2.4	319.3	-0.3
7	3.5	326.2	-1.6

STOP TIME AUG 7,1984 HOUR 6 MINUTE 45

RELEASE NUMBER 84040 CONTAINMENT PURGE

STARTING TIME AUG 9,1984 HOUR 16 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	1.0	164.9	5.1
17	2.3	285.7	2.9
18	1.4	239.7	2.4
19	2.3	293.6	3.1
20	1.5	179.2	3.3
21	3.5	111.6	0.3
22	5.0	118.3	-1.4
23	3.9	130.7	-1.8
24	5.5	163.1	-1.6
1	6.6	180.4	-1.7
2	5.7	181.7	-1.7
3	5.8	165.7	-1.7
4	5.6	168.2	-1.6
5	5.4	130.5	-1.6
6	5.1	120.0	-1.4
7	5.4	105.4	-1.0
8	3.9	111.3	-0.0
9	2.7	132.7	2.0
10	4.0	131.1	1.9
11	4.5	120.4	1.3
12	5.3	127.7	1.1
13	5.2	128.0	1.3
14	4.4	125.5	1.4
15	4.2	131.1	1.6
16	3.0	119.4	2.2
17	3.5	115.1	1.6
18	3.9	133.2	0.1
19	4.4	111.6	-1.4
20	6.0	117.5	-1.6
21	7.6	137.9	-1.5
22	8.1	134.7	-1.4
23	7.3	137.2	-1.0
24	3.5	133.4	0.6
1	3.8	126.4	2.1
2	3.3	122.8	3.8
3	4.5	117.2	3.2
4	3.5	129.2	2.6
5	3.0	124.3	2.8
6	2.4	117.1	2.7
7	2.2	98.2	1.9
8	2.7	104.2	1.3
9	4.1	106.0	-0.0
10	5.6	155.7	-1.3
11	4.7	177.4	-1.4
12	6.0	168.0	-1.5
13	7.2	181.6	-1.6
14	6.6	188.4	-1.6
15	6.8	163.3	-1.6
16	6.7	142.7	-1.5

17	6.5	134.9	-1.4
18	5.3	137.6	-1.1
19	4.1	144.7	0.1
20	2.9	146.3	1.8
21	3.1	132.0	3.8
22	3.2	130.5	4.4
23	4.1	116.3	4.9
24	4.3	117.3	5.3
1	4.9	130.4	3.5
2	5.3	148.9	2.0
3	5.1	149.7	2.3
4	4.5	164.4	2.7
5	4.0	130.9	3.4
6	3.7	136.9	2.9
7	4.7	138.7	1.2
8	8.2	168.2	-1.1
9	7.7	163.2	-1.4
10	9.4	155.3	-1.5
11	9.9	171.6	-1.5
12	10.1	162.0	-1.5
13	9.8	175.3	-1.5
14	9.0	175.0	-1.4
15	7.7	177.4	-1.3
16	8.5	153.7	-1.1
17	9.3	136.6	-0.8
18	7.1	141.8	0.3
19	5.3	133.3	1.6
20	5.8	132.7	2.4
21	7.5	149.5	2.4
22	7.5	158.3	2.1
23	6.7	162.6	2.1
24	8.5	170.9	1.2
1	4.2	127.3	3.8
2	4.7	127.4	3.7
3	4.5	165.3	3.0
4	3.6	296.9	2.8
5	3	125.5	3.1
6	3.3	112.4	2.2
7	2.7	21.4	1.9
8	4.6	117.9	0.7

STOP TIME AUG 13,1984 HOUR 7 MINUTE 27

RELEASE NUMBER 84041 CONTAINMENT PURGE

STARTING TIME AUG 17,1984 HOUR 2 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
2	10.0	169.2	0.4
3	9.9	175.0	0.3
4	8.5	177.7	0.1
5	8.8	185.7	0.1
6	9.2	182.3	0.3
7	8.3	282.1	0.2
8	3.5	32.1	0.8
9	4.8	170.0	-0.2
10	6.1	131.9	-0.8
11	4.9	136.7	-1.0
12	4.4	297.4	-1.1
13	4.1	32.6	-1.4
14	4.3	191.4	-1.3
15	4.3	65.8	-1.2
16	4.8	94.1	-1.1
17	5.1	73.5	-1.2
18	5.4	51.3	-1.3
19	6.6	76.5	-1.0
20	7.0	92.4	-0.8
21	3.6	76.9	-0.3
22	3.8	27.2	-0.4
23	3.9	22.9	-0.7
24	4.5	34.5	-0.9
1	4.5	40.7	-0.7
2	3.9	26.6	-0.7
3	4.5	52.6	-0.7
4	4.6	33.5	-0.6
5	3.9	21.0	-0.6
6	4.6	37.2	-0.8
7	4.9	37.8	-0.8
8	5.9	23.4	-0.8
9	6.4	28.8	-1.4
10	6.7	31.6	-1.6
11	7.3	45.5	-1.5
12	6.9	53.0	-1.7
13	6.6	49.5	-1.7
14	5.9	63.8	-1.7
15	5.2	76.8	-1.5
16	5.7	334.7	-1.7
17	6.7	60.5	-1.8
18	6.1	43.9	-1.0
19	5.2	78.5	-1.1
20	2.7	91.4	-0.2
21	2.5	83.4	0.9
22	2.0	273.8	0.2
23	2.0	312.5	0.9
24	2.4	302.3	1.4
1	2.1	188.9	4.5
2	2.7	165.3	5.6

3	1.3	251.9	0.6
4	1.8	248.9	6.3
5	1.9	252.4	6.8
6	3.0	237.8	4.3
7	2.3	296.0	[illegible]
8	3.4	315.4	1.5
9	5.4	330.8	-0.6
10	5.9	351.4	-1.5
11	6.1	352.9	-1.8
12	6.8	350.1	-1.8
13	7.3	346.5	-1.8
14	7.6	351.1	-1.9
15	7.9	349.4	-1.8
16	7.9	356.9	-1.8
17	7.7	6.6	-1.7
18	6.3	3.6	-1.5
19	5.5	354.0	-1.0
20	5.1	343.4	-0.2
21	3.4	343.9	3.1
22	3.0	272.5	3.9
23	3.1	285.3	4.0
24	2.7	285.0	4.9
1	2.4	316.1	0.6
2	3.7	299.0	0.9
3	3.6	302.6	0.8
4	2.9	295.3	1.1
5	2.7	271.4	1.0
6	2.4	286.7	1.9
7	2.8	287.3	2.0
8	2.6	276.5	1.9

STOP TIME AUG 20,1984 HOUR 7 MINUTE 40

RELEASE NUMBER 84042 CONTAINMENT PURGE

STARTING TIME AUG 24,1984 HOUR 13 MINUTE 53

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
13	3.5	322.2	-1.8
14	3.7	318.3	-1.8
15	3.7	54.8	-1.9
16	3.7	274.7	-1.5
17	3.7	203.5	-1.2
18	4.4	191.6	-0.6
19	2.2	142.9	1.6
20	2.3	151.4	4.9
21	1.5	139.2	6.3
22	2.5	112.5	7.2
23	4.2	157.7	6.6
24	5.7	118.1	6.0
1	3.4	167.8	5.9
2	3.5	53.1	6.5
3	3.7	280.7	5.5
4	3.2	244.1	5.2
5	2.9	234.8	6.1
6	2.2	195.1	6.8
7	2.7	352.2	7.5
8	1.9	210.3	6.5
9	1.8	255.0	3.0
10	2.7	178.9	0.2
11	3.8	29.5	-1.2
12	3.8	263.9	-1.7
13	5.8	190.9	-1.4
14	6.7	185.4	-1.4
15	7.0	195.6	-1.5
16	7.3	221.0	-1.5
17	7.5	197.4	-1.2

STOP TIME AUG 25,1984 HOUR 16 MINUTE 58

STARTING TIME AUG 25,1984 HOUR 22 MINUTE 23

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	3.1	137.0	6.7
23	4.4	169.8	5.9
24	3.0	92.1	7.8
1	9.6	156.6	0.3

STOP TIME AUG 26,1984 HOUR 0 MINUTE 35

STARTING TIME AUG 26,1984 HOUR 9 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	13.6	181.3	-0.8
10	15.1	186.1	-1.1
11	15.1	190.3	-1.1
12	15.5	185.0	-1.5
13	15.3	188.4	-1.5
14	15.4	183.1	-1.6
15	16.0	186.5	-1.5
16	14.6	186.1	-1.3
17	14.2	192.8	-1.2
18	15.2	193.2	-0.9
19	11.3	-99.0	-0.5
20	8.6	186.0	-0.1
21	7.3	188.2	0.2
22	5.8	183.7	3.4
23	6.7	277.1	0.5
24	7.8	106.4	3.2
1	10.9	191.4	0.8
2	11.8	193.7	0.7
3	12.9	206.2	0.9
4	12.6	210.2	1.1
5	8.0	206.0	0.9
6	5.5	234.3	0.5
7	3.7	224.4	0.9
8	3.7	242.2	1.2
9	2.4	347.4	-0.4
10	2.4	280.4	-1.2
11	4.3	255.8	-1.5
12	4.1	313.4	-1.6
13	3.5	322.2	-1.8
14	3.7	318.3	-1.8
15	3.7	54.8	-1.9
16	3.7	274.7	-1.5
17	3.7	203.5	-1.2
18	4.4	191.6	-0.6
19	2.2	142.9	1.6

20	2.3	151.4	4.9
21	1.5	139.2	6.3
22	2.5	112.5	7.2
23	4.2	157.7	6.6
24	5.7	118.1	6.0
1	3.1	123.6	9.2
2	2.7	112.8	10.2
3	3.2	110.2	9.4
4	2.8	150.9	8.8
5	5.1	105.7	6.9
6	4.8	104.9	5.9
7	6.6	118.0	5.6
8	6.0	129.2	3.3

STOP TIME AUG 28,1984 HOUR 7 MINUTE 42

RELEASE NUMBER 84043 CONTAINMENT PURGE

STARTING TIME AUG 31,1984 HOUR 16 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	12.5	162.3	-1.4
17	14.0	176.1	-1.1
18	10.2	176.3	-0.7
19	10.2	170.4	-0.2
20	10.5	169.0	0.5
21	12.6	158.8	0.6
22	11.0	185.2	0.2
23	12.5	192.7	0.4
24	13.0	201.2	0.2
1	11.7	206.4	-0.3
2	10.6	208.3	-0.0
3	8.6	203.6	0.8
4	10.2	201.7	0.3
5	12.7	187.3	-0.0
6	13.4	210.4	-0.9
7	14.7	206.9	-1.3
8	16.4	212.0	-1.5
9	17.6	221.7	-1.7
10	17.1	232.9	-1.8
11	16.3	236.6	-1.7
12	11.4	244.0	-1.6
13	6.1	261.1	-1.1
14	6.6	332.3	-0.7
15	7.6	332.9	-0.3
16	5.2	48.4	-0.4
17	5.7	131.5	-0.6
18	2.3	192.6	-0.3
19	3.3	197.2	-0.2
20	2.7	274.3	-0.5
21	2.6	318.1	-0.5
22	2.6	4.9	-0.4
23	2.4	329.1	-0.1
24	3.6	325.0	-0.1
1	4.6	325.2	-0.2
2	4.9	331.2	-0.5
3	6.2	335.7	-0.9
4	7.0	334.0	-1.2
5	7.8	339.6	-1.6

STOP TIME SEPT 2,1984 HOUR 4 MINUTE 42

STARTING TIME SEPT 2,1984 HOUR 6 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
6	7.6	340.1	-1.7
7	7.7	355.1	-2.1
8	7.7	353.7	-2.0
9	6.8	348.9	-2.0
10	7.4	350.1	-1.6
11	6.0	359.3	-1.4
12	4.3	346.5	-0.6
13	3.3	306.9	1.0
14	1.9	254.3	2.1
15	1.1	195.3	2.3
16	2.5	145.2	2.1
17	2.3	76.3	0.0
18	2.9	281.7	1.1
19	2.6	270.8	1.6
20	2.4	297.9	2.0
21	2.2	307.7	2.6
22	2.8	310.1	2.1
23	2.6	290.2	1.8
24	2.4	314.1	-0.1
1	3.6	9.0	-1.6
2	4.1	5.6	-1.9
3	3.9	0.9	-1.8
4	4.1	33.2	-2.0
5	4.8	84.5	-2.1
6	5.4	95.7	-2.0
7	5.0	99.5	-1.9
8	4.6	91.2	-1.7

STOP TIME SEPT 3,1984 HOUR 7 MINUTE 36

RELEASE NUMBER 84044 CONTAINMENT PURGE

STARTING TIME SEPT 6,1984 HOUR 17 MINUTE 22

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	16.9	209.0	-1.7
18	14.1	207.9	-1.6
19	8.8	236.4	-1.2
20	9.1	333.7	-1.4
21	9.9	336.4	-1.0
22	8.5	345.5	-1.1
23	4.9	338.9	-0.6
24	2.9	96.6	-0.1
1	5.9	131.0	0.2
2	7.4	146.0	0.6
3	8.8	147.0	2.6
4	15.6	165.7	1.1
5	14.0	174.4	-0.1
6	13.1	178.9	-0.4
7	11.0	182.9	-0.5
8	7.3	172.9	-0.3
9	5.9	167.0	-0.1
10	5.0	151.2	-0.3
11	5.0	163.6	-0.1
12	6.6	228.0	-1.2
13	5.5	331.0	-1.8
14	6.3	348.2	-1.8
15	4.3	356.2	-2.0
16	4.5	50.1	-2.0
17	5.2	59.1	-1.9
18	6.7	241.4	-1.8
19	8.5	232.6	-1.5
20	7.2	200.5	-1.1
21	7.6	187.1	0.2
22	9.0	193.2	2.0
23	10.2	192.6	2.6
24	10.5	194.1	3.2
1	9.1	195.6	2.9
2	4.2	179.0	3.1
3	2.6	348.7	2.6
4	2.1	319.5	4.3
5	2.2	291.0	3.4
6	2.3	294.7	2.6
7	2.6	149.6	3.7
8	3.9	115.5	3.5
9	2.7	128.6	2.8
10	3.0	69.2	2.0
11	2.5	223.6	0.3
12	7.5	124.2	-1.3
13	10.4	128.8	-1.9
14	9.5	155.1	-1.9
15	8.3	217.2	-1.7
16	6.9	231.2	-1.9
17	5.6	275.0	-2.1

18	5.6	270.2	-1.7
19	4.5	333.7	-1.5
20	3.1	336.0	-0.6
21	1.7	233.5	2.1
22	1.5	226.9	4.3
23	2.3	278.2	5.1
24	3.9	130.1	4.9
1	3.9	126.4	6.7
2	2.8	119.0	6.6
3	2.7	90.3	6.2
4	10.9	197.3	3.2
5	6.7	211.8	2.5
6	5.3	109.3	1.4
7	4.4	15.9	0.1
8	1.7	65.9	-0.4
9	3.2	107.3	-0.2
10	4.4	99.9	-0.7
11	6.1	100.1	-1.0
12	4.3	62.5	-0.6
13	3.9	88.8	-0.6
14	3.4	64.0	-0.8
15	4.7	74.2	-1.1
16	6.0	100.5	-0.8
17	4.9	97.3	-0.9
18	4.3	93.8	-1.2
19	5.1	79.6	-1.3
20	4.9	93.2	-1.0
21	2.5	352.0	0.1
22	3.7	15.4	0.3
23	3.5	55.0	0.1
24	2.6	1.3	0.0
1	2.0	310.7	0.0
2	3.1	323.7	0.3
3	3.4	296.4	0.9
4	2.6	296.5	1.1
5	3.5	77.3	0.8
6	4.0	313.9	0.1
7	2.7	316.2	0.5
8	2.6	91.5	0.7

STOP TIME SEPT 10,1984 HOUR 7 MINUTE 10

RELEASE NUMBER 84045 CONTAINMENT PURGE

STARTING TIME SEPT 13,1984 HOUR 16 MINUTE 31

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	7.7	344.5	-1.4
17	8.0	346.1	-1.2
18	7.7	346.2	-1.3
19	6.1	346.6	-0.8
20	5.5	338.2	-0.2
21	3.3	303.6	1.8
22	3.0	290.9	2.3
23	2.1	276.0	2.5
24	1.5	266.6	2.9
1	1.8	274.5	2.1
2	1.9	288.0	2.0
3	1.9	273.4	1.7
4	2.2	284.7	1.3
5	2.0	281.2	1.9
6	2.4	280.4	1.2
7	3.1	287.1	1.8
8	2.5	298.8	2.2
9	2.8	306.6	0.2
10	3.3	28.0	-1.4
11	2.8	40.8	-1.7
12	4.3	72.2	-1.8
13	4.4	181.6	-1.7
14	3.2	281.2	-1.9
15	4.1	245.2	-1.8
16	3.9	149.7	-1.4
17	3.2	334.5	-1.5
18	2.6	42.3	-1.5
19	2.7	175.6	-1.0
20	1.5	241.3	2.5
21	1.3	208.1	4.2
22	1.7	131.8	5.4
23	3.0	148.8	6.3
24	1.9	102.9	6.1
1	2.4	122.2	6.0
2	4.0	192.8	5.0
3	6.2	173.7	3.9
4	4.3	141.5	5.1
5	7.6	192.4	3.8
6	7.8	204.8	3.9
7	7.5	201.9	3.8
8	6.3	173.9	3.6
9	6.1	156.6	-0.3
10	7.5	169.8	-1.2

STOP TIME SEPT 15,1984 HOUR 9 MINUTE 15

RELEASE NUMBER 84046 CONTAINMENT PURGE

STARTING TIME SEPT 15,1984 HOUR 12 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	12.3	152.7	-1.8
13	13.6	148.5	-1.9
14	10.3	160.9	-2.0
15	11.5	169.6	-1.9
16	11.5	168.2	-1.8
17	11.1	158.7	-1.5
18	10.2	165.4	-1.4
19	7.1	167.4	-0.5
20	5.9	162.6	0.4
21	5.3	136.6	1.5
22	5.1	129.3	1.7

STOP TIME SEPT 15,1984 HOUR 21 MINUTE 52

STARTING TIME SEPT 16,1984 HOUR 5 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
5	10.0	158.9	-0.2
6	6.8	147.7	-0.2
7	7.0	144.3	0.8
8	7.4	148.7	0.6
9	7.7	150.4	-0.2
10	12.0	164.2	-1.2
11	13.3	172.8	-1.6
12	13.3	183.5	-1.8
13	13.5	190.0	-1.9
14	13.8	188.5	-1.8
15	12.6	188.0	-2.0
16	11.2	196.6	-1.8
17	11.2	192.4	-1.6
18	10.1	197.4	-1.4
19	9.0	178.9	-0.9
20	7.0	162.5	-0.2
21	6.8	163.7	0.0
22	8.0	178.6	-0.1
23	10.0	184.7	-0.2
24	9.9	178.7	-0.3
1	8.2	177.7	-0.3
2	7.9	175.3	-0.3
3	8.1	182.0	-0.4
4	10.6	195.3	-0.1
5	7.3	172.2	-0.2
6	7.9	176.6	-0.0
7	8.2	181.3	-0.2
8	8.5	169.5	-0.4

9	7.8	175.6	-1.1
10	8.4	179.0	-1.4
11	8.6	190.3	-1.8

STOP TIME SEPT 17,1984 HOUR 10 MINUTE 20

RELEASE NUMBER 84047 CONTAINMENT PURGE

STARTING TIME SEPT 21,1984 HOUR 16 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	3.8	347.4	-1.3
17	3.5	336.6	-1.1
18	2.5	355.9	-0.9
19	2.7	3.8	-0.6
20	6.4	329.1	-0.9
21	2.9	319.5	-0.7
22	2.8	312.6	-0.4
23	3.0	297.4	0.1
24	2.8	306.0	0.5
1	2.1	305.8	-0.2
2	2.3	304.7	-0.0
3	3.3	311.7	-0.5
4	2.1	305.6	-0.0
5	1.9	265.1	0.4
6	2.3	146.0	0.6
7	3.7	124.2	0.2
8	4.8	108.8	-0.4
9	7.9	103.7	-0.9
10	11.2	114.3	-1.2
11	12.4	122.2	-1.6
12	15.0	131.2	-1.3
13	16.2	121.8	-1.2
14	19.2	131.2	-1.4
15	18.9	138.9	-1.6
16	19.2	147.3	-1.5
17	17.6	149.0	-1.3
18	15.4	144.6	-1.1
19	15.7	147.0	-0.7
20	14.8	145.8	-0.5
21	16.4	158.3	-0.6
22	17.7	167.6	-0.3
23	19.9	161.6	0.6
24	15.9	139.0	0.9
1	2.4	284.9	0.0
2	2.5	294.9	0.6
3	3.8	313.0	0.2
4	2.5	305.6	0.2
5	2.3	283.9	-0.4
6	2.3	171.1	-1.0
7	4.1	125.5	-1.0
8	4.5	115.3	-1.2
9	7.7	105.5	-1.3
10	10.9	115.3	-1.4
11	12.7	122.9	-1.4
12	15.2	129.8	-1.4
13	16.0	128.5	-1.1
14	18.9	130.1	-1.3
15	19.1	138.5	-1.5
16	19.2	147.4	-1.4

17	19.2	150.1	-1.3
18	17.6	147.3	-1.1
19	15.6	148.4	-0.8
20	16.4	147.9	-0.5
21	15.5	151.6	-0.4
22	17.3	166.8	-0.4
23	18.9	166.7	-0.2
24	19.3	164.3	1.1
1	14.8	138.8	0.7
2	11.7	142.9	0.3
3	9.2	136.6	0.7
4	9.7	150.3	0.3
5	7.1	227.2	0.4
6	7.5	337.0	-0.6
7	5.6	328.4	-0.8
8	5.5	325.8	-1.0

STOP TIME SEPT 24,1984 HOUR 7 MINUTE 30

RELEASE NUMBER 84048 CONTAINMENT PURGE

STARTING TIME SEPT 27,1984 HOUR 16 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	4.8	164.6	-1.2
17	4.8	179.6	-1.1
18	2.9	154.1	-1.1
19	3.8	151.4	-0.9
20	4.7	170.9	-0.5
21	3.7	150.7	-0.2
22	3.3	221.4	-0.2
23	4.7	309.3	-0.5
24	6.9	333.2	-0.6
1	7.0	337.3	-0.6
2	7.9	346.2	-0.7
3	7.9	344.7	-0.8
4	7.1	344.1	-0.8
5	6.4	339.8	-0.8
6	5.0	332.4	-0.6
7	5.3	334.3	-0.2
8	3.1	327.0	-0.1
9	5.7	331.7	-0.5
10	7.2	344.7	-1.3
11	7.4	351.0	-1.6
12	10.5	357.9	-1.5
13	9.2	342.2	-1.3
14	8.8	349.0	-1.4
15	8.2	345.1	-1.3
16	8.9	350.1	-1.2
17	7.7	343.2	-1.1
18	7.3	340.8	-1.0
19	4.4	352.5	-0.7
20	2.2	290.6	1.0
21	1.1	256.6	2.8
22	1.0	277.4	3.7
23	1.0	249.8	4.0
24	1.0	268.0	4.7
1	1.0	301.2	5.2
2	1.0	315.2	5.5
3	1.0	186.7	5.6
4	1.1	204.8	6.0
5	1.0	193.1	5.7

STOP TIME SEPT 29,1984 HOUR 4 MINUTE 57

STARTING TIME SEPT 29,1984 HOUR 5 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
5	1.0	193.1	5.7
6	1.0	177.9	5.7
7	1.0	206.1	4.5
8	1.0	276.9	4.2
9	1.4	293.9	3.0
10	2.9	311.5	-1.1
11	2.9	303.7	-1.6
12	4.3	305.8	-1.7
13	4.8	294.8	-1.9
14	5.4	314.4	-1.8
15	5.7	313.4	-1.8
16	5.3	335.6	-1.7
17	4.4	304.4	-1.5
18	3.6	329.2	-1.3
19	2.4	291.3	-0.4
20	1.8	212.2	3.0
21	1.8	170.8	4.6
22	1.7	318.9	5.8
23	2.2	316.5	5.6
24	2.5	278.2	4.4
1	-99.0	-99.0	-99.0
2	-99.0	-99.0	-99.0
3	-99.0	-99.0	-99.0
4	2.8	175.5	2.6
5	1.6	177.2	4.0
6	1.6	349.9	1.5
7	1.4	233.4	1.2
8	1.7	157.5	0.9
9	3.8	110.3	0.8
10	4.7	195.4	-0.8
11	10.2	222.8	-1.2
12	10.0	221.7	-1.4
13	10.4	231.2	-1.6
14	9.9	220.0	-1.7
15	9.0	223.5	-1.6
16	8.7	218.2	-1.5
17	8.6	218.5	-1.3
18	7.1	212.0	-1.1
19	6.0	179.1	-0.1
20	5.8	178.1	2.1
21	5.0	182.9	4.6
22	9.1	192.2	3.4
23	11.5	194.8	4.4
24	-99.0	-99.0	-99.0
1	11.7	195.5	4.3
2	11.4	198.0	4.5
3	10.6	198.7	4.3
4	10.5	197.7	4.1
5	9.1	198.5	4.2

6	9.1	196.9	4.4
7	9.5	198.6	4.6

STOP TIME OCT 1,1984 HOUR 6 MINUTE 16

RELEASE NUMBER 84049 CONTAINMENT PURGE

STARTING TIME OCT 4,1984 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	9.5	103.0	-0.6
19	7.8	108.4	-0.2
20	6.4	140.1	-0.2
21	7.1	128.7	-0.4
22	6.7	104.8	-0.4
23	5.0	215.7	-0.1
24	3.7	94.9	0.7
1	3.3	138.0	0.9
2	6.8	149.3	1.0
3	5.7	166.2	0.9
4	5.2	201.9	0.8
5	6.0	146.2	0.4
6	5.3	130.4	0.2
7	6.1	141.5	0.4
8	5.1	123.9	0.1
9	6.0	126.1	-0.3
10	10.2	130.7	-0.8
11	10.6	142.2	-0.7
12	12.5	130.1	-0.9
13	13.0	133.0	-0.9
14	14.5	151.1	-0.9
15	12.2	132.9	-0.8
16	14.4	136.6	-0.8
17	12.1	131.0	-0.7
18	13.1	123.1	-0.8
19	12.5	127.7	-0.7
20	9.6	119.9	-0.6
21	11.4	124.6	-0.4
22	9.3	110.7	-0.7
23	7.8	98.3	-0.6
24	5.7	90.6	-0.6
1	7.0	101.5	-0.5
2	10.2	129.4	-0.3
3	9.8	130.2	-0.3
4	10.3	130.5	-0.5
5	10.3	137.4	-0.6
6	9.2	142.8	-0.6
7	8.1	140.8	-0.6
8	7.5	132.0	-0.6
9	8.1	132.4	-0.5
10	8.9	134.6	-0.7
11	8.1	140.4	-0.8
12	8.9	149.2	-0.9
13	8.0	155.7	-1.1
14	9.0	127.5	-1.0
15	6.4	117.3	-1.0
16	7.4	139.0	-0.9
17	6.8	153.9	-0.9
18	3.5	100.2	-0.7

19	4.2	291.1	-0.5
20	2.7	332.6	-0.4
21	2.3	239.0	-0.1
22	1.9	237.4	0.7
23	2.8	232.0	1.0
24	5.6	242.1	-0.1
1	5.9	253.5	-0.4
2	3.9	261.1	-0.4
3	7.3	258.2	-0.5
4	4.7	297.9	-0.4
5	4.2	280.6	-0.5
6	5.5	277.6	-0.7
7	4.9	313.3	-0.5
8	4.1	310.1	-0.4
9	4.8	311.5	-0.6
10	5.6	325.0	-0.7
11	6.5	324.6	-1.0
12	6.7	325.5	-1.3
13	7.9	332.6	-1.6
14	7.9	342.9	-1.7
15	6.1	322.2	-1.7
16	6.2	326.7	-1.5
17	5.5	316.1	-1.2
18	5.2	283.3	-0.3
19	5.3	248.5	1.9
20	4.9	316.8	0.7
21	3.1	288.7	0.8
22	2.4	300.6	1.7
23	3.0	321.3	1.7
24	3.6	323.8	1.4
1	2.2	295.4	0.5
2	2.3	307.6	0.6

STOP TIME OCT 8,1984 HOUR 1 MINUTE 40

RELEASE NUMBER 84050 CONTAINMENT PURGE

STARTING TIME OCT 11,1984 HOUR 16 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	10.0	142.6	-1.2
17	9.8	146.1	-1.2
18	8.0	157.8	-0.8
19	6.1	154.6	-0.3
20	4.8	139.0	1.1
21	5.3	136.9	1.5
22	5.7	137.2	1.6
23	7.2	134.6	1.3
24	8.6	137.0	0.9
1	9.6	140.0	0.6
2	9.1	134.8	0.6
3	9.1	134.7	0.6
4	8.4	136.1	0.7
5	9.6	141.3	0.8
6	10.6	142.7	0.2
7	9.5	145.9	-0.1
8	9.4	153.9	-0.3
9	8.9	149.2	-0.4
10	8.8	149.6	-0.8
11	10.0	145.3	-1.1
12	10.6	140.7	-1.3
13	12.3	152.2	-1.3
14	13.9	164.4	-1.3
15	13.2	158.0	-1.2
16	12.6	153.6	-1.1
17	11.9	158.5	-1.0
18	11.6	154.4	-0.8
19	9.0	173.8	-0.4
20	6.9	184.2	0.5
21	4.9	191.6	1.5
22	3.7	158.7	3.8
23	5.9	133.8	3.5
24	6.8	145.1	1.7
1	7.2	152.8	1.0
2	7.5	148.2	0.6
3	5.9	140.6	1.3
4	4.6	137.6	1.9
5	5.9	139.8	1.4
6	6.6	141.3	1.2
7	4.9	121.0	0.8
8	5.4	121.6	0.4
9	6.2	133.6	-0.2
10	7.4	129.0	-0.6
11	11.1	141.6	-1.0
12	11.3	130.2	-1.2
13	10.4	123.4	-1.3
14	10.4	138.8	-1.1
15	8.9	162.1	-1.1
16	9.3	140.5	-1.0

17	8.4	160.1	-1.1
18	6.5	158.3	-0.8
19	5.3	154.8	-0.7
20	2.8	132.4	-0.4
21	2.8	131.4	0.2
22	5.4	129.9	0.6
23	6.2	140.8	0.2
24	7.0	138.2	0.3
1	7.3	129.9	-0.1
2	5.9	127.7	-0.1
3	4.5	125.3	-0.3
4	6.7	139.2	-0.1
5	7.3	145.5	-0.1
6	5.5	124.9	-0.4
7	5.2	127.1	-0.1
8	5.1	121.3	-0.3
9	6.3	123.4	-0.1
10	6.7	127.6	-0.5
11	8.1	136.7	-0.7
12	8.0	138.5	-0.9
13	9.9	172.2	-0.9
14	8.6	144.9	-1.1
15	8.5	137.2	-0.9
16	7.2	133.5	-1.0
17	10.8	141.9	-1.1
18	8.2	145.7	-0.9
19	7.9	151.6	-0.6
20	4.8	274.2	-0.6
21	4.5	324.5	-0.9
22	4.3	331.0	-0.7
23	5.1	333.7	-0.6
24	4.9	328.8	-0.8
1	5.1	324.6	-0.7
2	5.2	321.5	-0.7
3	5.2	323.7	-0.6
4	5.3	326.4	-0.9
5	5.6	331.6	-0.8
6	7.7	334.6	-0.9
7	7.4	307.7	-0.8
8	8.3	306.1	-0.7

STOP TIME OCT 15,1984 HOUR 7 MINUTE 18

RELEASE NUMBER 84051 CONTAINMENT PURGE

STARTING TIME OCT 18,1984 HOUR 17 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	9.0	147.0	-0.4
18	14.6	245.6	-0.6
19	15.6	243.2	-0.4
20	13.8	258.2	-0.5
21	14.9	259.8	-0.6
22	16.4	254.9	-0.6
23	8.3	260.5	-0.5
24	2.9	261.1	-0.3
1	13.9	266.1	-0.3
2	13.5	275.5	-0.3
3	11.6	280.1	-0.4
4	10.4	273.6	-0.3
5	7.4	278.6	-0.1
6	8.0	257.1	-0.1
7	5.6	268.0	-0.1
8	9.4	276.3	-0.1
9	10.6	265.3	-1.1
10	9.9	275.2	-1.1
11	11.1	291.8	-1.2
12	10.5	296.2	-1.5
13	9.5	286.1	-1.3
14	9.5	278.3	-1.5
15	11.0	281.7	-1.4
16	11.3	268.9	-1.3
17	11.8	264.4	-1.0
18	9.5	264.0	-0.7
19	6.7	250.0	0.4
20	6.5	219.4	1.7
21	7.5	221.6	1.7
22	10.0	225.4	0.7
23	11.1	226.4	0.9
24	11.8	230.1	2.0
1	11.1	236.5	2.2
2	7.7	250.7	1.6
3	5.6	260.9	1.1
4	6.1	256.1	1.2
5	4.0	231.7	1.4
6	6.9	222.9	2.2
7	4.1	340.5	1.5
8	2.6	273.1	3.2
9	3.4	318.7	1.9
10	4.6	330.6	-0.1
11	4.2	336.0	-0.6
12	6.6	16.2	-1.3
13	7.0	18.1	-1.4
14	6.6	19.2	-1.4
15	5.6	9.2	-1.3
16	5.6	0.1	-1.3
17	6.1	0.7	-0.9

18	4.7	3.9	-0.7
19	3.3	9.6	1.0
20	2.4	323.7	1.5
21	3.2	294.1	0.3
22	6.3	352.0	-0.1
23	5.0	341.7	-0.0
24	5.0	324.9	0.4
1	5.4	330.1	0.5
2	2.5	322.1	0.8
3	3.4	332.2	1.1
4	1.7	316.0	1.6
5	1.1	317.6	1.7
6	0.8	299.5	1.3
7	0.8	264.8	1.3
8	2.4	313.7	-0.0
9	4.2	337.4	-1.2
10	4.0	0.6	-1.5
11	6.2	336.9	-1.6
12	6.1	320.4	-1.7
13	6.9	314.1	-1.8
14	6.0	322.3	-1.6
15	5.3	316.3	-1.6
16	4.7	332.6	-1.2
17	2.5	343.8	-1.0
18	2.6	327.4	-0.3
19	1.7	216.0	0.7
20	1.5	271.9	0.5
21	2.9	268.1	-0.2
22	2.8	308.1	-0.4
23	2.8	318.4	-0.4
24	3.6	322.7	-0.1
1	2.4	306.6	-0.3
2	1.9	306.0	-0.1
3	1.4	297.4	-0.0
4	2.1	310.0	-0.3
5	1.5	269.3	-0.1
6	2.1	197.1	0.3
7	3.3	248.7	0.5
8	2.9	269.0	-0.3

STOP TIME OCT 22,1984 HOUR 7 MINUTE 47

RELEASE NUMBER 84052 CONTAINMENT PURGE

STARTING TIME OCT 25,1984 HOUR 18 MINUTE 1

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	6.9	170.0	-0.6
19	5.4	152.9	0.1
20	5.7	165.3	1.1
21	5.8	196.0	0.8
22	4.6	189.9	0.6
23	6.3	186.8	1.8
24	7.7	184.3	1.4
1	9.0	188.0	1.1
2	10.8	192.5	0.8
3	13.4	191.1	0.7
4	14.8	191.2	0.8
5	13.7	186.0	0.4
6	11.3	186.1	0.3
7	13.6	181.1	0.1
8	12.9	171.4	-0.2
9	13.0	181.8	-0.9
10	15.6	182.3	-1.0
11	15.7	185.6	-1.1
12	16.4	182.2	-1.2
13	20.9	198.6	-1.2
14	20.7	195.3	-1.2
15	20.6	192.9	-1.0
16	20.3	194.6	-0.8
17	16.5	187.8	-0.8
18	14.4	189.2	-0.4
19	10.9	192.0	-0.3
20	12.3	185.6	-0.3
21	12.9	189.0	-0.5
22	12.1	194.0	-0.5
23	17.2	193.2	-0.5
24	19.9	195.8	-0.5
1	20.3	194.4	-0.6
2	19.6	192.9	-0.7
3	17.5	190.1	-0.6
4	17.5	195.9	-0.6
5	17.2	196.4	-0.6
6	15.3	192.7	-0.5
7	16.7	185.9	-0.6
8	13.9	199.2	-0.7
9	15.4	202.2	-0.7
10	16.4	206.7	-0.8
11	16.3	212.2	-1.0
12	17.8	233.3	-1.0
13	14.6	241.1	-0.9
14	10.6	244.7	-0.9
15	5.6	275.7	-0.8
16	9.2	332.7	-0.9
17	13.4	331.6	-0.9
18	13.9	334.8	-0.8

19	13.4	335.3	-0.6
20	12.6	337.6	-0.7
21	10.1	341.2	-0.6
22	8.2	340.7	-0.6
23	3.3	344.5	-0.6
24	1.7	343.6	-0.7
1	3.7	341.1	-0.8
2	6.0	341.4	-0.9
3	5.2	343.4	-0.9
4	3.4	343.4	-0.9
5	1.9	346.1	-0.9
6	1.2	350.7	-0.9
7	0.7	345.3	-0.9
8	0.7	345.6	-0.9
9	0.7	345.4	-1.0
10	3.7	13.6	-1.4
11	3.7	16.9	-1.3
12	4.0	51.5	-1.5
13	3.6	85.0	-1.7
14	3.3	173.8	-1.4
15	2.9	124.4	-1.4
16	4.6	170.2	-1.3
17	4.8	150.1	-1.1
18	2.3	188.6	0.2
19	1.9	154.1	1.7
20	2.3	160.0	2.8
21	2.2	114.8	3.2
22	2.9	132.3	3.4
23	2.2	103.6	2.3
24	1.7	142.9	2.3
1	2.0	110.8	0.8
2	3.9	172.1	1.0
3	2.1	187.9	1.8
4	1.1	137.6	0.9
5	0.8	142.7	0.6
6	1.4	180.7	0.5
7	1.4	180.2	0.4
8	4.5	174.6	-0.1

STOP TIME OCT 29,1984 HOUR 7 MINUTE 43

RELEASE NUMBER 84053 CONTAINMENT PURGE

STARTING TIME NOV 1,1984 HOUR 17 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
17	2.7	20.1	-1.2
18	0.7	25.7	-0.5
19	0.6	339.3	-0.2
20	0.7	320.8	0.7
21	0.7	294.0	0.7
22	0.7	291.7	0.7
23	0.6	290.7	0.6
24	0.6	269.5	0.2
1	0.6	226.4	0.7
2	0.7	268.1	1.4
3	0.6	189.6	1.2
4	0.7	141.5	0.7
5	0.7	151.7	0.2
6	0.7	142.3	0.5
7	0.7	135.9	0.7
8	0.8	142.3	-0.1
9	0.8	153.1	-0.9
10	0.8	153.9	-1.1
11	3.0	153.9	-1.1
12	16.5	163.9	-1.2
13	20.0	173.8	-1.2
14	19.4	162.6	-1.2
15	19.8	162.9	-1.0
16	20.3	164.2	-1.0
17	17.7	161.9	-0.8
18	15.2	163.1	-0.5
19	13.8	165.1	-0.5
20	12.3	164.6	-0.4
21	7.2	160.5	-0.4
22	7.0	164.0	-0.4
23	6.0	167.2	-0.5
24	6.5	165.4	-0.4
1	6.0	171.2	-0.5
2	13.1	174.6	-0.5
3	14.8	169.0	-0.4
4	14.7	165.1	-0.4
5	12.3	164.5	-0.4
6	13.2	159.3	-0.4
7	13.0	159.3	-0.4
8	14.6	158.4	-0.4
9	17.1	163.0	-0.7
10	17.8	175.1	-0.9
11	16.7	177.7	-0.9
12	14.1	179.8	-0.9
13	14.9	185.3	-0.9
14	18.9	195.6	-1.1
15	17.2	202.4	-1.1
16	16.8	205.8	-1.0
17	12.8	205.9	-0.6

18	12.2	206.8	0.3
19	13.6	211.6	1.6
20	12.4	222.0	2.5
21	10.0	238.0	3.7
22	3.9	290.6	3.7
23	4.4	302.2	1.8
24	2.9	318.6	2.2
1	2.8	311.4	2.0
2	3.1	329.6	2.6
3	4.0	332.6	2.0
4	3.4	313.8	1.7
5	2.8	300.9	1.8
6	3.1	307.7	1.9
7	2.7	321.2	2.5
8	2.5	331.0	1.3
9	2.8	311.5	-0.6
10	3.6	307.4	-1.4
11	4.6	295.1	-1.4
12	4.7	289.3	-1.4
13	7.4	302.2	-1.7
14	10.7	313.8	-1.4
15	12.1	328.3	-1.3
16	10.8	341.7	-1.1
17	6.4	323.9	-0.2
18	3.8	309.4	1.3
19	2.2	304.8	2.9
20	3.6	304.5	2.7
21	4.9	294.6	1.7
22	5.4	296.5	1.3
23	5.0	321.8	0.9
24	2.4	306.6	1.7
1	3.4	314.5	2.1
2	2.1	314.1	2.6
3	2.7	318.6	2.6
4	2.3	312.8	2.4
5	1.2	300.1	1.7
6	0.9	310.9	2.1
7	0.8	314.5	2.0
8	1.9	329.2	0.7

STOP TIME NOV 5,1984 HOUR 7 MINUTE 30

RELEASE NUMBER 84054 CONTAINMENT PURGE

STARTING TIME NOV 8,1984 HOUR 16 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	3.2	80.2	0.3
17	2.7	344.4	0.5
18	2.0	282.0	0.9
19	2.2	305.7	1.3
20	1.8	344.3	1.3
21	1.5	342.4	1.0
22	1.4	233.7	0.7
23	1.8	347.7	0.4
24	2.1	8.7	1.1
1	2.5	68.8	0.1
2	1.6	141.0	0.4
3	2.6	37.4	0.9
4	4.4	93.5	-0.0
5	7.0	110.5	-0.6
6	5.4	105.3	-0.8
7	6.1	94.7	-0.6
8	9.7	97.1	-0.3
9	9.2	66.5	-0.2
10	6.4	4.5	-0.6
11	8.0	330.8	-0.5
12	8.0	321.1	-0.5
13	6.5	319.2	-1.0
14	6.4	289.4	-0.4
15	15.6	342.9	5.8
16	4.8	316.8	-1.5
17	5.7	350.4	-1.5
18	7.3	341.6	-1.5
19	8.2	336.4	-1.4
20	8.9	328.6	-1.5
21	11.5	332.9	-1.4
22	12.7	329.4	-1.4
23	11.9	324.9	-1.4
24	12.9	324.1	-1.1
1	12.6	321.9	-1.1
2	12.2	325.3	-1.0
3	13.4	326.0	-1.0
4	14.0	325.7	-0.7
5	14.1	327.0	-1.1
6	14.2	329.7	-1.2
7	13.7	327.7	-1.3
8	11.8	331.7	-1.4
9	11.1	331.6	-1.6
10	12.4	329.3	-1.6
11	11.4	331.6	-1.6
12	10.2	333.7	-1.6
13	10.2	332.1	-1.6
14	10.2	327.3	-1.5
15	10.1	324.9	-1.5
16	7.8	327.1	-1.5

17	6.4	336.9	-1.6
18	6.9	333.4	-1.6
19	6.9	349.6	-1.6
20	5.5	323.5	-1.5
21	5.1	317.1	-1.5
22	4.6	328.4	-1.5
23	4.6	339.7	-1.5
24	3.9	324.1	-1.6
1	3.4	331.3	-1.5
2	2.9	339.6	-1.5
3	3.3	348.8	-1.6
4	2.9	1.0	-1.6
5	2.0	351.4	-1.6
6	1.1	352.1	-1.6
7	1.5	344.0	-1.6
8	1.7	42.1	-1.6
9	1.7	199.4	-1.6
10	2.0	207.1	-1.6
11	3.1	150.9	-1.6
12	3.4	153.8	-1.6
13	4.1	172.6	-1.7
14	4.8	183.8	-1.7
15	5.4	166.0	-1.7
16	5.0	168.7	-1.7
17	2.9	190.2	-1.5
18	0.5	201.0	-0.6
19	0.4	166.6	0.4
20	0.2	138.0	0.1
21	0.2	223.7	0.4
22	0.3	218.8	0.8
23	0.6	130.9	0.8
24	0.6	113.1	1.1
1	0.5	146.3	0.5
2	0.2	253.1	0.9
3	0.3	205.3	0.8
4	0.3	177.4	0.3

STOP TIME NOV 12,1984 HOUR 3 MINUTE 40

RELEASE NUMBER 84055 CONTAINMENT PURGE

STARTING TIME NOV 15,1984 HOUR 14 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	13.0	291.1	-1.7
15	14.6	299.7	-1.5
16	14.9	307.3	-1.3
17	9.8	303.1	-1.0
18	7.4	299.2	-0.5
19	7.2	297.5	-0.5
20	8.2	301.6	-0.7
21	7.1	300.9	-0.8
22	8.8	308.2	-0.8
23	9.3	306.7	-1.0
24	6.5	307.6	-0.8
1	5.2	299.6	-0.6
2	5.4	297.9	-0.6
3	4.0	293.6	-0.3
4	3.4	294.4	0.1
5	2.3	293.4	0.6
6	1.3	270.5	1.7
7	1.4	220.3	1.4
8	3.9	238.2	1.6
9	3.0	233.2	-0.5
10	4.2	248.8	-1.7
11	9.8	232.0	-1.8
12	11.6	225.7	-1.9
13	10.9	225.4	-1.9
14	9.6	212.8	-1.8
15	9.6	208.1	-1.7
16	7.6	190.8	-1.4
17	5.0	170.0	-1.0
18	6.7	176.4	0.2
19	7.8	173.1	0.7
20	8.3	171.3	0.6
21	10.5	164.5	-0.1
22	11.3	166.2	-0.8
23	11.4	168.7	-0.9
24	12.9	180.8	-0.9
1	15.7	174.4	-0.8
2	13.5	167.7	-1.0
3	11.7	166.4	-1.2
4	11.8	162.6	-1.2
5	9.7	162.1	-1.3
6	11.2	153.9	-1.3
7	14.8	154.4	-1.2
8	11.2	169.9	-1.3
9	11.2	164.2	-1.3
10	10.2	171.4	-1.4
11	12.9	172.6	-1.5
12	14.3	177.1	-1.6
13	11.5	171.4	-1.7
14	7.9	175.4	-1.7

15	6.0	165.7	-1.7
16	9.1	122.7	-1.6
17	7.1	130.5	-1.3
18	4.6	140.3	-0.9
19	2.9	129.1	-0.6
20	1.3	75.6	-0.1
21	0.6	247.3	0.3
22	0.3	13.0	-0.2

STOP TIME NOV 17,1984 HOUR 21 MINUTE 32

RELEASE NUMBER 84056 CONTAINMENT PURGE

STARTING TIME NOV 18,1984 HOUR 20 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	1.2	61.7	0.9
21	0.7	13.2	0.1
22	1.1	4.4	-0.2

STOP TIME NOV 18,1984 HOUR 21 MINUTE 1

RELEASE NUMBER 84057 CONTAINMENT PURGE

STARTING TIME NOV 20,1984 HOUR 18 MINUTE 22

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	5.7	143.0	-0.4
19	5.2	130.8	0.2
20	6.5	126.7	0.6
21	8.3	137.9	-0.1
22	8.3	139.4	-0.5
23	8.1	140.3	-0.5
24	10.4	145.0	-1.1
1	8.9	145.5	-0.7
2	9.1	141.0	-0.7
3	8.5	141.0	-0.9
4	7.6	135.2	-0.6
5	8.6	139.5	-0.6
6	9.9	152.3	-1.0
7	9.8	153.1	-1.0
8	12.1	148.8	-1.0
9	12.6	163.0	-1.3
10	12.5	168.3	-1.6
11	14.0	172.8	-1.7
12	16.2	173.1	-1.8
13	15.7	175.6	-1.8
14	14.7	161.8	-1.8
15	14.5	159.1	-1.6
16	13.6	162.0	-1.4
17	11.5	156.9	-1.3
18	9.4	153.1	-0.8
19	11.8	153.3	-0.8
20	13.4	158.6	-1.0
21	14.1	159.3	-0.9
22	14.9	165.8	-1.0
23	13.9	164.8	-1.1
24	13.2	175.9	-1.1
1	16.1	191.3	-1.3
2	12.7	195.5	-1.3
3	11.6	194.6	-1.3
4	12.4	191.6	-1.3
5	15.4	179.1	-1.3
6	17.3	181.4	-1.3
7	17.0	174.4	-1.2
8	6.7	197.6	-1.3
9	7.9	188.9	-1.3
10	12.3	195.5	-1.4
11	10.5	205.2	-1.7
12	12.0	220.4	-1.7
13	13.2	225.9	-1.7
14	9.5	223.0	-1.6
15	9.4	239.3	-1.7
16	6.2	258.1	-1.4
17	2.8	318.7	-1.0
18	2.7	318.3	-0.6

19	1.6	293.2	-0.0
20	0.5	254.8	0.5

STOP TIME NOV 22,1984 HOUR 19 MINUTE 43

STARTING TIME NOV 23,1984 HOUR 11 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	1.3	120.7	-0.8
12	1.9	42.4	-1.5
13	1.4	75.2	-2.0
14	4.3	189.6	-1.9
15	5.5	171.9	-1.6
16	6.3	160.9	-1.5
17	3.1	144.2	-1.0

STOP TIME NOV 23,1984 HOUR 16 MINUTE 2

STARTING TIME NOV 23,1984 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	1.6	163.8	1.7
19	2.6	130.7	3.4
20	6.2	143.7	1.2
21	8.7	170.4	0.1
22	6.8	170.0	-0.3
23	11.3	175.2	0.0
24	7.7	180.5	-0.7
1	5.9	177.6	-0.7
2	3.2	132.0	-0.3

STOP TIME NOV 24,1984 HOUR 1 MINUTE 3

RELEASE NUMBER 84060 CONTAINMENT PURGE

STARTING TIME NOV 26,1984 HOUR 21 MINUTE 58

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	4.8	321.3	-1.2
22	6.0	311.4	-1.2
23	5.3	308.5	-1.2
24	6.0	302.7	-1.2
1	6.2	309.3	-1.3
2	6.5	308.3	-1.3
3	7.0	314.2	-1.4
4	5.5	301.6	-1.3
5	7.4	302.3	-1.4
6	8.4	309.7	-1.4
7	9.0	313.1	-1.3
8	9.1	305.1	-1.4
9	10.0	319.0	-1.4
10	8.8	301.9	-1.5
11	9.3	299.4	-1.5
12	9.6	297.4	-1.4
13	9.4	291.0	-1.5
14	7.6	281.5	-1.3
15	8.9	282.3	-1.3
16	11.7	290.7	-1.3
17	7.8	285.3	-1.4
18	5.7	278.3	-1.4

STOP TIME NOV 27,1984 HOUR 17 MINUTE 51

RELEASE NUMBER 84061 CONTAINMENT PURGE

STARTING TIME NOV 29,1984 HOUR 20 MINUTE 23

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	3.6	348.0	-1.3
21	3.0	344.1	-1.3
22	3.6	327.7	-1.1
23	1.8	317.3	-0.7
24	0.7	280.6	-0.1
1	1.7	285.3	0.5
2	2.2	305.5	1.1
3	2.6	290.8	0.2
4	2.8	295.2	0.2
5	1.5	308.9	-0.1
6	1.5	294.3	0.1
7	2.7	302.7	-0.3
8	2.8	293.4	-0.0
9	3.6	294.2	-1.1
10	3.3	310.5	-1.5
11	5.4	326.3	-1.7
12	7.5	323.7	-1.8
13	6.6	318.0	-1.7
14	5.2	332.8	-1.7
15	6.1	339.0	-1.8
16	4.3	333.4	-1.5
17	3.8	353.4	-1.4
18	4.4	11.1	-1.4
19	3.9	23.5	-1.4
20	2.7	7.7	-1.3
21	2.8	23.3	-1.2
22	1.8	54.2	-1.2
23	1.7	-99.0	-0.9
24	3.2	110.6	-1.1
1	2.6	131.2	-0.9
2	2.2	130.2	-1.1
3	2.1	182.8	-0.8
4	2.4	137.1	-0.3
5	3.1	133.9	-0.5
6	2.8	130.9	-0.3
7	3.0	130.8	-0.2
8	2.5	133.7	-0.4
9	6.8	127.9	-1.2

STOP TIME DEC 1,1984 HOUR 8 MINUTE 44

STARTING TIME DEC 1,1984 HOUR 10 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
10	10.1	126.3	-1.5
11	12.0	130.7	-1.5
12	13.5	131.6	-1.6
13	15.9	135.3	-1.7

STOP TIME DEC 1,1984 HOUR 12 MINUTE 44

STARTING TIME DEC 3,1984 HOUR 1 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
1	6.3	316.2	-1.2
2	4.0	304.3	-1.0
3	5.9	317.5	-1.1
4	4.4	303.7	-1.2
5	1.4	284.1	-1.0
6	3.7	276.9	-1.0

STOP TIME DEC 3,1984 HOUR 5 MINUTE 25

STARTING TIME DEC 3,1984 HOUR 9 MINUTE 27

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	3.6	279.0	-1.6
10	6.2	299.6	-1.9
11	8.0	307.3	-1.9
12	6.8	313.1	1.3
13	5.6	327.3	2.4
14	3.8	332.4	-1.9
15	3.0	324.1	-1.8
16	2.3	302.5	-1.7
17	1.7	253.4	-1.3
18	1.6	197.9	-0.1
19	0.5	207.2	1.5
20	1.0	158.9	1.6
21	0.9	123.0	1.7
22	1.7	145.4	1.8
23	1.6	118.7	1.6
24	1.7	154.7	2.8
1	2.9	318.8	0.7
2	3.8	299.9	1.0
3	3.5	301.0	0.4

4	3.7	308.1	0.4
5	2.9	318.3	-0.0
6	2.4	312.8	-0.5
7	1.7	294.9	-0.6

STOP TIME DEC 4,1984 HOUR 6 MINUTE 25

RELEASE NUMBER 84062 CONTAINMENT PURGE

STARTING TIME DEC 6,1984 HOUR 14 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	13.6	189.1	-1.9
15	12.4	187.0	-1.8
16	13.6	183.7	-1.6
17	9.7	174.8	-1.3
18	9.1	176.2	-1.1
19	8.8	167.7	-1.0
20	9.6	165.2	-1.0
21	15.3	181.8	-1.1
22	15.7	197.6	-0.9
23	8.3	170.7	-1.0
24	4.0	128.5	-1.2
1	4.3	220.2	-0.6
2	4.6	215.7	-0.3
3	3.1	216.4	0.2
4	1.4	61.6	2.1
5	1.7	68.5	3.3
6	2.2	63.7	4.1
7	2.0	29.9	4.4
8	3.7	258.6	2.6
9	1.9	55.5	2.2
10	1.4	23.1	1.3
11	4.7	246.8	-1.1
12	5.9	231.4	-1.5
13	5.8	216.5	-1.6
14	4.7	203.0	-1.8

STOP TIME DEC 7,1984 HOUR 13 MINUTE 29

STARTING TIME DEC 7,1984 HOUR 16 MINUTE 56

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	3.0	144.9	-1.3
17	2.4	143.5	1.4
18	2.7	177.6	3.6
19	1.7	281.4	2.1
20	2.6	277.7	3.9
21	2.9	349.8	4.8
22	1.2	320.8	5.1
23	2.1	289.9	4.2
24	3.1	280.2	3.9
1	2.3	293.9	2.8
2	2.8	284.6	1.5
3	1.8	296.1	1.5
4	1.8	283.6	2.1
5	1.6	293.9	2.4

6	1.7	293.1	3.2
7	2.0	292.0	2.8
8	1.3	300.1	3.2
9	1.3	117.7	3.9
10	0.9	67.1	1.0
11	1.9	173.1	-0.7
12	3.3	215.8	-1.5
13	2.7	198.7	-1.7
14	3.8	203.7	-1.7
15	4.2	187.6	-1.6
16	3.1	147.7	-1.2
17	5.3	178.3	0.2
18	2.6	143.1	4.0
19	3.7	153.6	3.8
20	3.2	137.2	3.4
21	2.0	110.2	4.4
22	2.6	110.3	3.2
23	2.1	88.8	3.3
24	1.1	54.4	3.8
1	2.6	85.5	4.6
2	5.5	118.4	2.4
3	5.6	125.3	-0.1
4	4.8	126.9	-0.2
5	7.4	127.8	-0.3
6	11.7	111.5	-0.2
7	7.6	234.7	-0.5
8	2.6	272.8	0.2
9	1.2	309.2	0.7
10	1.5	302.6	0.5
11	3.7	313.3	-0.7
12	3.8	331.4	-0.7
13	4.2	315.8	-1.2
14	4.8	322.3	-1.2
15	4.0	326.9	-1.0
16	6.2	320.3	-0.6
17	6.3	325.3	-0.4
18	2.6	280.9	0.8
19	2.2	285.2	1.5
20	3.6	298.5	2.3
21	4.8	305.5	1.3
22	5.0	321.1	1.2
23	3.7	315.8	1.0
24	1.8	315.7	0.9
1	3.7	297.6	0.8
2	2.8	297.1	0.9
3	1.7	303.8	0.7
4	1.8	307.4	1.1
5	2.5	303.4	0.9
6	1.7	308.6	0.8
7	1.1	303.5	1.8
8	0.6	294.8	2.0
9	0.7	125.0	2.1
10	0.5	106.2	0.2

STOP TIME DEC 10,1984 HOUR 9 MINUTE 45

RELEASE NUMBER 84063 CONTAINMENT PURGE

STARTING TIME DEC 13,1984 HOUR 16 MINUTE 46

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	7.5	25.0	-1.3
17	6.6	24.1	-1.3
18	8.7	30.2	-1.3
19	10.3	36.0	-0.9
20	9.0	36.2	-0.4
21	8.1	27.6	-0.3
22	9.9	25.5	0.1
23	9.1	25.3	-0.5
24	8.5	15.7	-0.5
1	7.3	11.6	-0.3
2	6.2	357.9	-0.9
3	6.5	350.2	-0.9
4	5.9	345.9	-1.2
5	6.1	339.9	-1.1
6	7.2	327.8	-1.1
7	5.1	321.2	-0.8
8	7.0	322.3	-0.7
9	6.4	336.5	-1.2
10	4.9	326.4	-1.1
11	4.0	350.1	-1.4
12	1.5	303.8	-1.4
13	3.5	229.1	-1.4
14	3.8	273.6	-1.5
15	3.9	285.1	-1.4
16	4.6	296.4	-1.3
17	2.5	311.4	-0.9
18	1.0	235.4	-0.7
19	1.5	214.4	-0.6
20	1.9	189.3	-0.2
21	2.9	195.1	-0.1
22	4.6	181.3	-0.1
23	4.5	183.3	-0.1
24	4.0	163.1	-0.8
1	2.6	151.5	-1.1
2	4.0	121.0	-0.9
3	2.0	129.0	-1.1
4	5.2	150.7	-1.3
5	8.3	138.5	-1.2
6	8.6	134.9	-1.3
7	5.7	130.6	-1.2
8	4.9	116.9	-1.0
9	3.1	270.4	-0.9
10	5.0	134.6	-0.9
11	9.6	144.7	-0.8
12	4.5	159.2	-1.0
13	7.1	128.7	0.0
14	9.2	137.1	0.5
15	11.6	134.4	2.6
16	12.3	135.7	2.5

17	9.2	137.4	2.3
18	10.0	134.1	4.2
19	9.5	142.3	4.3
20	10.0	132.8	5.9
21	-99.0	130.5	5.3
22	9.2	127.9	4.5
23	9.2	127.3	2.0
24	8.1	144.4	0.9
1	9.4	189.0	-0.2
2	6.9	225.4	-0.1
3	7.0	207.1	0.2
4	9.6	192.2	-0.1
5	10.1	214.0	-0.2
6	14.0	224.8	-0.7
7	15.3	217.4	-1.0
8	15.2	223.2	-0.9
9	11.4	246.7	-1.0
10	10.7	290.1	-1.2
11	11.4	295.4	-1.4
12	9.2	282.2	-1.6
13	11.1	287.2	-1.5
14	9.8	290.1	-1.5
15	7.8	295.0	-1.6
16	6.5	283.3	-1.6
17	6.3	286.5	-1.4
18	5.9	313.6	-1.4
19	5.4	318.2	-1.4
20	5.5	341.3	-1.3
21	5.6	353.1	-1.4
22	5.6	10.6	-1.4
23	4.3	10.8	-1.4
24	-99.0	-99.0	-99.0
1	5.3	8.9	-1.5
2	5.8	16.8	-1.6
3	6.3	14.8	-1.6
4	5.1	354.5	-1.7
5	5.2	334.8	-1.4
6	7.5	326.3	-1.4
7	9.1	324.3	-1.5
8	10.1	325.4	-1.5
9	10.1	325.3	-1.6

STOP TIME DEC 17,1984 HOUR 8 MINUTE 58

RELEASE NUMBER 84064 CONTAINMENT PURGE

STARTING TIME DEC 20,1984 HOUR 18 MINUTE 47

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	9.6	154.0	-1.2
19	9.8	160.9	-1.3
20	8.4	148.9	-1.2
21	6.6	148.0	-1.2
22	6.8	151.9	-1.1
23	6.4	137.6	-3.1
24	8.2	137.8	-1.0
1	3.8	135.7	-1.0
2	2.6	116.0	-0.9
3	5.0	119.0	-0.9

STOP TIME DEC 21,1984 HOUR 2 MINUTE 5

STARTING TIME DEC 22,1984 HOUR 13 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
13	7.9	227.9	-1.4

STOP TIME DEC 22,1984 HOUR 5 MINUTE 44

STARTING TIME DEC 22,1984 HOUR 7 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
7	3.1	221.6	0.6
8	2.5	196.8	0.7
9	4.3	125.9	0.3
10	4.9	136.9	-0.7
11	6.8	193.9	-1.3
12	7.9	211.9	-1.4
13	7.9	227.9	-1.4
14	6.4	231.0	-1.4
15	10.3	219.8	-1.4
16	9.0	198.9	-1.3
17	9.6	205.6	-0.9
18	11.3	207.5	0.1
19	13.1	206.6	0.4
20	15.0	209.6	-0.4
21	16.1	213.9	-0.3
22	15.8	215.9	0.2
23	14.4	218.5	-0.2
24	14.7	210.5	-0.2

1	14.9	209.2	-0.1
2	16.7	211.2	-1.7
3	17.0	219.5	-1.7
4	18.7	212.6	-1.7
5	15.6	213.6	-1.6
6	15.3	222.2	-1.6
7	11.5	225.9	-1.7
8	6.1	263.7	-1.7
9	5.5	249.5	-1.6
10	5.1	272.4	-1.7
11	5.1	318.1	-1.7
12	6.1	328.6	-1.7
13	6.6	327.7	-1.4
14	5.6	337.8	-1.5
15	6.3	356.8	-1.6
16	6.0	49.1	-1.6
17	6.0	40.2	-1.5
18	6.2	28.9	-1.5
19	7.4	26.0	-1.5
20	8.5	31.0	-1.6
21	8.5	27.6	-1.6
22	7.9	36.2	-1.6
23	9.2	28.2	-1.6
24	9.8	29.8	-1.6
1	8.6	21.4	-1.5
2	9.0	12.5	-1.6
3	9.4	5.8	-1.6
4	9.9	351.4	-1.5
5	10.0	351.4	-1.5
6	10.3	353.4	-1.5
7	9.9	353.2	-1.5
8	9.6	351.6	-1.5

STOP TIME DEC 24,1984 HOUR 7 MINUTE 41

RELEASE NUMBER 84065 CONTAINMENT PURGE

STARTING TIME DEC 27,1984 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	14.1	187.9	-0.6
19	14.3	186.0	-0.4
20	13.7	191.7	-0.5
21	14.6	186.5	-0.5
22	16.1	193.8	-0.6
23	15.6	196.7	-0.7
24	16.4	197.7	-0.7
1	14.5	203.7	-0.8
2	13.7	205.9	-0.8
3	16.9	196.4	-0.7
4	18.2	192.2	-0.7
5	18.3	194.7	-0.8
6	17.0	200.4	-0.8
7	16.9	199.6	-0.8
8	15.5	202.6	-0.8
9	14.9	200.9	-0.8
10	13.6	200.6	-0.8
11	12.1	201.3	-0.9
12	15.0	207.7	-1.0
13	17.5	218.3	-1.0
14	20.7	229.5	-1.1
15	16.6	234.0	-1.0
16	14.8	229.9	-0.9
17	8.8	242.7	-0.7
18	2.0	301.8	0.4
19	6.6	321.3	-0.2
20	9.2	334.2	-1.2
21	11.3	335.5	-1.4
22	14.2	329.6	-1.7
23	11.3	335.5	-1.0
24	11.1	338.8	-1.7
1	11.5	337.0	-1.7
2	11.0	338.1	-1.7
3	11.5	334.0	-1.6
4	10.2	338.8	-1.7
5	9.9	330.6	-1.6
6	9.9	334.8	-1.7
7	9.3	336.4	-1.6
8	9.7	339.1	-1.5
9	7.8	348.3	-1.7
10	7.9	345.1	-1.7
11	8.9	346.3	-1.9
12	8.1	350.4	-1.9
13	7.0	351.4	-2.0
14	8.0	348.1	-1.9
15	7.6	0.8	-1.9
16	7.8	354.9	-1.8
17	6.7	340.9	-1.5
18	6.8	347.7	-1.6

19	6.4	359.2	-1.4
20	5.2	1.7	-1.5
21	4.8	350.7	-1.4
22	4.6	5.2	-1.3
23	3.8	12.5	-1.2
24	3.0	335.4	-1.3
1	3.5	315.8	-1.5
2	2.7	305.9	-1.4
3	2.2	295.9	-1.4
4	2.1	313.8	-1.1
5	1.9	301.6	-2.3
6	2.7	319.4	-1.2
7	2.1	358.9	-1.3
8	1.4	4.5	-1.1
9	3.5	12.0	-1.4
10	4.8	61.8	-1.6
11	4.6	83.4	-1.6
12	4.2	76.4	-1.8
13	4.8	68.2	-1.9
14	5.0	44.6	-1.9
15	4.7	44.6	-1.9
16	4.1	50.4	-1.8
17	2.6	52.1	-1.5
18	3.4	14.8	-1.2
19	5.7	30.6	-0.9
20	7.0	46.3	-1.5
21	7.3	39.4	-1.5
22	8.1	25.6	-1.4
23	7.0	15.2	-1.5
24	6.6	16.4	-1.6
1	8.0	5.5	-1.4
2	8.9	2.1	-1.5
3	8.9	3.0	-1.0
4	7.9	359.1	-1.7
5	7.4	356.4	-1.7
6	8.3	349.6	-1.6
7	8.8	343.6	-1.9
8	8.3	345.6	-1.6

STOP TIME DEC 31,1984 HOUR 7 MINUTE 32

RELEASE NUMBER 84011 DECAY TANK PURGE

STARTING TIME JULY 11,1984 HOUR 2 MINUTE 44

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
2	9.7	210.4	3.0
3	10.2	217.5	3.0
4	10.6	216.0	2.6
5	10.5	215.9	2.6
6	10.7	219.0	2.6

STOP TIME JULY 11,1984 HOUR 5 MINUTE 59

RELEASE NUMBER 84012 DECAY TANK PURGE

STARTING TIME JULY 11,1984 HOUR 18 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	7.1	191.5	-1.4
19	7.6	181.1	-1.3
20	7.9	171.6	-0.9
21	6.3	168.4	-0.2

STOP TIME JULY 11,1984 HOUR 20 MINUTE 10

STARTING TIME JULY 11,1984 HOUR 21 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	6.3	168.4	-0.2
22	5.6	164.5	1.3
23	7.5	160.1	1.6
24	7.7	158.4	1.7
1	8.5	168.2	1.4
2	9.6	172.9	0.9
3	8.9	176.2	0.6
4	5.6	167.2	0.2
5	5.5	155.2	0.4

STOP TIME JULY 12,1984 HOUR 4 MINUTE 56

RELEASE NUMBER 84013 DECAY TANK PURGE

STARTING TIME AUG 28,1984 HOUR 14 MINUTE 36

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	17.4	168.0	-1.6
15	15.7	167.8	-1.5
16	12.5	162.3	-1.4
17	14.0	176.1	-1.1
18	10.2	176.3	-0.7
19	10.2	170.4	-0.2
20	10.5	169.0	0.5
21	12.6	168.8	0.6
22	11.0	185.2	0.2

STOP TIME AUG 28,1984 HOUR 21 MINUTE 39

RELEASE NUMBER 84014 DECAY TANK PURGE

STARTING TIME OCT 22,1984 HOUR 16 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
16	6.3	323.9	-1.2
17	5.9	343.8	-0.9
18	3.8	339.6	-0.4
19	2.5	300.6	0.5
20	3.1	307.2	1.7
21	2.6	275.8	0.8
22	2.5	292.8	1.0
23	1.1	241.4	2.5
24	0.9	267.1	3.1

STOP TIME OCT 22,1984 HOUR 23 MINUTE 4

RELEASE NUMBER 84015 DECAY TANK PURGE

STARTING TIME NOV 24,1984 HOUR 11 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
11	11.9	180.6	-1.6
12	13.5	182.0	-1.7

STOP TIME NOV 24,1984 HOUR 11 MINUTE 26

STARTING TIME NOV 24,1984 HOUR 14 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	18.2	189.3	-1.6
15	18.6	192.9	-1.5
16	15.4	190.6	-1.3
17	14.9	181.9	-1.0
18	12.4	180.5	-0.9
19	13.7	179.0	-1.1
20	12.8	174.1	-1.2
21	11.3	177.3	-1.1

STOP TIME NOV 24,1984 HOUR 20 MINUTE 0

STARTING TIME NOV 24,1984 HOUR 20 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
20	12.8	174.1	-1.2
21	11.3	177.3	-1.1
22	12.3	181.6	-1.2
23	11.5	170.0	-1.2
24	10.8	167.5	-1.1
1	9.7	167.2	-0.9
2	9.8	150.4	-0.8
3	9.9	147.6	-0.7
4	8.2	129.4	0.7
5	8.0	120.8	0.7
6	8.7	117.8	1.9
7	7.5	124.7	1.1
8	10.4	130.3	0.4
9	12.4	139.1	-0.4
10	13.6	124.7	-1.0
11	14.9	134.7	-1.5
12	15.0	142.6	-1.6
13	13.8	160.4	-1.7
14	13.1	149.0	-1.6

15	14.0	152.3	-1.6
16	12.5	151.3	-1.4
17	11.6	137.9	-1
18	13.3	148.6	-
19	10.9	135.5	
20	9.0	130.2	
21	4.5	122.6	-1.1
22	7.9	146.9	-1.0
23	8.0	145.3	-0.9
24	10.5	161.7	-0.9
1	7.7	167.7	-0.8
2	6.5	182.1	-0.9
3	6.7	193.4	-0.7
4	8.0	201.1	-1.1
5	7.6	200.9	-0.7

STOP TIME NOV 26,1984 HOUR 4 MINUTE 45

RELEASE NUMBER 84016 DECAY TANK PURGE

STARTING TIME NOV 26,1984 HOUR 9 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
9	4.0	282.3	-1.4
10	3.6	275.8	-1.5
11	3.9	295.7	-1.6

STOP TIME NOV 26,1984 HOUR 10 MINUTE 9

RELEASE NUMBER 84018 DECAY TANK PURGE

STARTING TIME NOV 26,1984 HOUR 10 MINUTE 17

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
10	3.6	275.8	-1.5
11	3.9	295.7	-1.6
12	2.7	287.8	-1.6
13	3.7	259.5	-1.7
14	2.9	267.0	-1.7

STOP TIME NOV 26,1984 HOUR 13 MINUTE 58

STARTING TIME NOV 26,1984 HOUR 14 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
14	2.9	267.0	-1.7
15	2.5	266.5	-1.6
16	3.2	278.3	-1.5
17	2.1	279.4	-1.2
18	2.1	306.3	-1.0
19	2.3	292.9	-0.4

STOP TIME NOV 26,1984 HOUR 18 MINUTE 15

RELEASE NUMBER 84017 DECAY TANK PURGE

STARTING TIME NOV 27,1984 HOUR 18 MINUTE 16

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
18	5.7	278.3	-1.4
19	3.5	272.1	-1.2
20	1.5	298.3	-1.0

STOP TIME NOV 27,1984 HOUR 19 MINUTE 46

STARTING TIME NOV 27,1984 HOUR 22 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	1.7	225.4	-0.6
23	6.5	270.6	-1.1
24	8.1	266.8	-1.2
1	7.9	265.4	-1.0
2	6.9	268.5	-0.7
3	5.8	270.3	-0.7
4	7.0	254.3	-0.4
5	8.6	243.2	-0.0
6	8.9	239.9	0.1
7	6.9	234.6	0.3
8	8.3	236.7	1.0
9	7.5	229.6	0.7

STOP TIME NOV 28,1984 HOUR 8 MINUTE 38

RELEASE NUMBER 84019 DECAY TANK PURGE

STARTING TIME NOV 28,1984 HOUR 12 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	4.7	164.0	-1.6
13	6.7	158.2	-1.6
14	7.8	130.7	-1.4
15	7.9	141.0	-1.4
16	6.2	131.5	-0.8
17	4.1	122.7	-0.1
18	5.1	135.7	-0.0
19	3.2	153.2	0.5

STOP TIME NOV 28,1984 HOUR 18 MINUTE 43

STARTING TIME NOV 28,1984 HOUR 21 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	4.0	195.4	-0.5
22	3.2	153.2	0.2
23	5.3	156.7	0.2
24	6.8	162.3	0.9
1	5.6	171.8	0.3
2	6.0	170.1	1.0
3	3.7	133.4	0.2
4	3.1	99.2	-0.8
5	3.7	113.9	-0.8
6	4.1	115.2	-0.5
7	0.9	236.8	0.0

STOP TIME NOV 29,1984 HOUR 6 MINUTE 50

STARTING TIME NOV 29,1984 HOUR 10 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
10	3.8	311.1	-0.4
11	4.9	323.7	-1.5
12	5.2	335.7	-1.8
13	5.4	337.4	-1.9
14	6.6	345.0	-1.9
15	6.0	346.1	-1.8
16	5.7	1.2	-1.6
17	5.0	345.1	-1.5
18	5.8	332.9	-1.5
19	3.6	329.8	-1.3

STOP TIME NOV 29,1984 HOUR 18 MINUTE 41

RELEASE NUMBER 84016 DECAY TANK PURGE

STARTING TIME DEC 1,1984 HOUR 22 MINUTE 51

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
22	6.5	307.2	-0.7
23	10.1	309.7	-1.1
24	7.6	309.0	-1.0
1	9.9	311.3	-1.2
2	11.2	316.2	-1.3
3	10.6	310.9	-1.3
4	9.6	312.5	-1.2

STOP TIME DEC 2,1984 HOUR 3 MINUTE 36

STARTING TIME DEC 2,1984 HOUR 3 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
3	10.6	310.9	-1.3
4	9.6	312.5	-1.2
5	11.6	308.1	-1.4
6	10.9	309.0	-1.4
7	10.3	314.0	-1.4
8	12.7	310.0	-1.4
9	13.7	311.4	-1.5
10	14.8	323.3	-1.7
11	13.3	325.3	-1.8
12	13.7	320.8	-1.9
13	13.3	323.4	-2.0
14	11.5	318.9	-2.0
15	12.0	320.1	-1.8
16	10.8	317.1	-1.6
17	10.1	324.7	-1.4
18	10.3	319.2	-1.3
19	9.6	323.1	-1.4
20	7.1	335.6	-1.6
21	6.4	334.5	-1.5
22	7.3	331.3	-1.6
23	6.0	329.1	-1.3
24	7.3	321.4	-1.1
1	6.3	316.2	-1.2

STOP TIME DEC 3,1984 HOUR 0 MINUTE 45

RELEASE NUMBER 84020 DECAY TANK PURGE

STARTING TIME DEC 1,1984 HOUR 12 MINUTE 54

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
12	13.5	131.6	-1.6
13	15.9	135.3	-1.7
14	16.1	135.1	-1.6
15	13.5	130.1	-1.6
16	9.5	130.1	-1.3
17	7.4	150.0	-0.9
18	5.5	147.1	-0.3
19	3.4	317.0	0.8
20	4.3	131.5	0.2
21	3.1	78.5	-0.2

STOP TIME DEC 1,1984 HOUR 20 MINUTE 33

STARTING TIME DEC 1,1984 HOUR 21 MINUTE 2

TIME HOUR	WS10 MPH	WD10 DEG	DT100 DEG C
21	3.1	78.5	-0.2
22	6.5	307.2	-0.7
23	10.1	309.7	-1.1

STOP TIME DEC 1,1984 HOUR 22 MINUTE 8

PART 2

SECTION V

ENVIRONMENTAL MONITORING

TECHNICAL SPECIFICATION (5.9.4.b)

July 1, 1984 to December 31, 1984

5.9.4 Continued

b. Environmental Monitoring

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

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

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

(1) the total number of analyses;

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

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

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

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

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

Table 1. Sample collection program.

Sample Class	Collection Frequency	Sample Locations	Number of Samples Collected This Period
Background Radiation (TLD)	Quarterly	Eleven (11) Four (4)[a]	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	Weekly and 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 July - December, 1984

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Background Radiation (TLD) (mR/week)	Gamma 21[f]	0.5	1.2 (19/20) (0.5-1.8)	0-4, Electric Bldg., Omaha 22 mi @ 152°	1.8 (2/2) (1.7-1.9)	1.8 (2/2) (1.7-1.9)	0
Background Radiation G-M Survey (mrem/hr)	Beta-Gamma 30	0.059	<LLD	-	-	<LLD	0
Airborne Particulates (pCi/m^3)	GB 126	0.02	0.037 (98/100) (0.020-0.078)	0-1a, 1000' NW of Reactor 0.2 mi @ 294°	0.039 (24/24) (0.026-0.078)	0.036 (26/26) (0.022-0.075)	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-131 126	0.2	<LLD	-	-	<LLD	0
Precipitation	GB 1	0.5	4.7 (1/1) -	0-30, AgriCo Plant, 1.8 mi @ 325°	4.7 (1/1) -	None	0
Well Water (pCi/l)	GB 10	0.5	8.4 (10/10) (2.6-18.0)	0-16, Smith Farm 1.9 mi @ 133°	17.7 (2/2) (17.4-18.0)	None	0
	H-3 10	200	280 (4/10) (210-440)	0-16, Smith Farm 1.9 mi @ 133°	340 (2/2) (240-440)	None	0

Table 2. (continued)

Name of facility Fort Calhoun Nuclear Power Station - Unit 1

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Milk, Fresh (pCi/l)	I-131 52	0.5	<LLD	-	-	<LLD	0
	GS 8						
	K-40	150	1260 (4/4) (1120-1340)	0-44, Mohr Dairy 2.7 mi @ 187°	1330 (2/2) (1330-1330)	1320 (4/4) (1290-1330)	0
	Cs-134	2	<LLD	-	-	<LLD	0
	Cs-137	2	<LLD	-	-	<LLD	0
	Other gammas	2	<LLD	-	-	<LLD	0
Milk, Preserved (pCi/l)	GB 8	6	1090 (4/4) (880-1190)	0-27, Flynn Dairy 3.4 mi @ 310°	1140 (2/2) (1110-1180)	1050 (4/4) (860-1160)	0
	Sr-90 8	1	2.1 (1/4) -	0-26, Japp Dairy 6.3 mi @ 219°	2.9 (1/2) -	2.8 (2/2) (2.7-2.9)	0
Surface Water (pCi/l)	GB 30	0.5	6.7 (24/24) (4.7-9.4)	0-9, Met. Utilities 17 mi @ 156°	7.0 (6/6) (6.1-9.41)	7.8 (6/6) (5.3-9.3)	0
	H-3 30	200	260 (3/24) (220-280)	0-6, Downstream 0.5 mi @ 106°	280 (1/6) -	<LLD	0
Cattlefeed (pCi/g wet)	Sr-90 12	0.03	<LLD	-	-	<LLD	0
	GS 12						
	Cs-134	0.2	<LLD	-	-	<LLD	0
	Cs-137	0.2	<LLD	-	-	<LLD	0
	Other gammas	0.2	<LLD	-	-	<LLD	0
Vegetation (pCi/g wet)	Sr-90 6	0.03	0.08 (1/6) -	0-33, Beck Farm 2.6 mi @ 283°	0.08 (1/1) -	None	0
	GS 6						
	Cs-134	0.2	<LLD	-	-	None	0
	Cs-137	0.2	<LLD	-	-	None	0
	Other Gammas	0.2	<LLD	-	-	None	0

Table 2. (continued)

Name of facility Fort Calhoun Nuclear Power Station - Unit 1

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Soil Surface (pCi/g dry)	Sr-90 4	0.008	0.114 (2/2) (0.090-0.137)	0-42, Miller Farm 0.8 mi @ 206°	0.137 (1/1) -	0.113 (2/2) (0.112-0.114)	0
	GS 4						
	Cs-134	0.1	<LLD	-	-	<LLD	0
	Cs-137	0.1	0.56 (2/2) (0.26-0.86)	0-42, Miller Farm 0.8 mi @ 206°	0.86 (1/1) -	0.40 (2/2) (0.39-0.41)	0
	Other gammas	0.1	<LLD	-	-	<LLD	0
Soil Core (pCi/g dry)	Sr-90 4	0.008	0.094 (2/2) (0.036-0.151)	0-42, Miller Farm 0.8 mi @ 206°	0.151 (1/1) -	0.124 (2/2) (0.115-0.132)	0
	GS 4						
	Cs-134	0.1	<LLD	-	-	<LLD	0
	Cs-137	0.1	0.45 (1/2) -	0-42, Miller Farm 0.8 mi @ 206°	0.45 (1/1) -	0.36 (2/2) (0.28-0.45)	0
	Other gammas	0.1	<LLD	-	-	<LLD	0
Fish (pCi/g wet)	Sr-90 11	0.02	0.16 (7/7) (0.05-0.30)	0-43, Upstream	0.20 (4/4) (0.03-0.42)	0.20 (4/4) (0.03-0.42)	0
	GS 11						
	Mn-54	0.1	<LLD	-	-	<LLD	0
	Co-58	0.1	<LLD	-	-	<LLD	0
	Co-60	0.1	<LLD	-	-	<LLD	0
	Zn-65	0.1	<LLD	-	-	<LLD	0
	Cs-134	0.035	<LLD	-	-	<LLD	0
	Cs-137	0.035	<LLD	-	-	<LLD	0
	Other gammas	0.1	<LLD	-	-	<LLD	0

Table 2. (continued)

Name of facility Fort Calhoun Nuclear Power Station - Unit 1

Sample Type (Units)	Type and Number of Analyses[a]	LLD[b]	Indicator Locations Mean(F)[c] Range[c]	Location with Highest Annual Mean		Control Locations Mean(F) Range	Number of Non-routine Results[e]
				Location[d]	Mean(F) Range		
Mud and Silt (pCi/g dry)	Sr-90 3	0.008	<LLD	-	-	<LLD	0
	GS 3						
	Cs-134	0.1	<LLD	-	-	<LLD	0
	Cs-137	0.1	<LLD	-	-	<LLD	0
	Other gammas	0.1	<LLD	-	-	<LLD	0
Wildlife (pCi/g wet)	Sr-90 1	3.0	<LLD	-	-	None	0
	GS 1						
	Cs-134	0.035	<LLD	-	-	None	0
	Cs-137	0.035	<LLD	-	-	None	0
	Other gammas	0.035	<LLD	-	-	None	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.

PART 2

SECTION VI

POTENTIAL DOSES TO INDIVIDUALS AND POPULATIONS

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

July 1, 1984 to December 31, 1984

VI. POTENTIAL DOSES TO INDIVIDUALS AND POPULATIONS

A. Potential Semiannual Doses to Individuals from Gaseous Releases.

Total body, skin and organ doses from ground releases were calculated in millirem (mrem) to an average adult, teenager, child and infant using the annual configuration of GASPAR program. Results to each receptor are shown in Tables VI-A-1 through VI-A-16. 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 1982 were as follows:

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

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

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

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

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

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

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

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

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

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

B. Potential Semiannual Doses to Population from Gaseous Releases.

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

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

(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 doses for liquid releases were calculated for all significant liquid pathways using the annual configuration of the LADTAP program. Results are shown in Tables VI-C-1 through VI-C-11.

The inputs to LADTAP for the semiannual period from January through June 1982 were as follows:

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

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

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

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

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

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

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

D. Potential Semiannual Doses to Population from Liquid Releases.

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

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

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

E. Direct Radiation Doses to Individuals and Population.

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

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

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 1 BEEF
AT 1.86 MILES N

SEMI-ANNUAL BETA AIR DOSE = 4.83E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.67E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.88E-03	1.04E-02	2.88E-02
MEAT								
ADULT	3.75E-05	2.93E-05	9.99E-06	4.25E-05	4.03E-05	1.98E-03	2.79E-05	2.69E-05
TEEN	2.18E-05	1.75E-05	8.22E-06	2.86E-05	2.69E-05	1.43E-03	1.70E-05	1.60E-05
CHILD	2.48E-05	2.03E-05	1.50E-05	3.57E-05	3.31E-05	2.15E-03	2.05E-05	1.94E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 2 BEEF,RES
AT 1.86 MILES NNE

SEMI-ANNUAL BETA AIR DOSE = 4.26E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.46E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.61E-03	8.61E-03	8.61E-03	8.61E-03	8.61E-03	8.61E-03	9.03E-03	2.52E-02
GROUND	5.86E-05	5.86E-05	5.86E-05	5.86E-05	5.86E-05	5.86E-05	5.86E-05	6.86E-05
MEAT								
ADULT	3.08E-05	2.55E-05	6.48E-06	3.41E-05	3.26E-05	1.29E-03	2.46E-05	2.39E-05
TEEN	1.80E-05	1.52E-05	5.33E-06	2.24E-05	2.13E-05	9.30E-04	1.49E-05	1.42E-05
CHILD	2.08E-05	1.78E-05	9.76E-06	2.78E-05	2.61E-05	1.40E-03	1.79E-05	1.72E-05
INHAL								
ADULT	9.69E-05	9.42E-05	5.80E-06	1.01E-04	1.05E-04	2.31E-03	9.55E-05	9.21E-05
TEEN	9.84E-05	9.50E-05	8.13E-06	1.04E-04	1.10E-04	2.83E-03	9.81E-05	9.26E-05
CHILD	8.75E-05	8.30E-05	1.10E-05	9.32E-05	9.82E-05	3.16E-03	8.66E-05	8.19E-05
INFANT	5.10E-05	4.75E-05	8.43E-06	5.72E-05	5.78E-05	2.86E-03	5.14E-05	4.71E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 3 RES
AT 1.47 MILES NE

SEMI-ANNUAL BETA AIR DOSE = 4.84E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.66E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.80E-03	9.80E-03	9.80E-03	9.80E-03	9.80E-03	9.80E-03	1.03E-02	2.87E-02
GROUND	5.64E-05	5.64E-05	5.64E-05	5.64E-05	5.64E-05	5.64E-05	5.64E-05	6.60E-05
INHAL								
ADULT	1.10E-04	1.07E-04	6.65E-06	1.14E-04	1.19E-04	2.64E-03	1.08E-04	1.04E-04
TEEN	1.12E-04	1.08E-04	9.33E-06	1.18E-04	1.25E-04	3.24E-03	1.11E-04	1.05E-04
CHILD	9.93E-05	9.42E-05	1.26E-05	1.06E-04	1.12E-04	3.61E-03	9.84E-05	9.29E-05
INFANT	5.79E-05	5.39E-05	9.67E-06	6.50E-05	6.57E-05	3.27E-03	5.84E-05	5.34E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 4 VEG,RES
AT 4.76 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 5.99E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.02E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.25E-03	3.51E-03
GROUND	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	3.38E-06
VEGET								
ADULT	2.69E-05	2.44E-05	2.87E-06	2.84E-05	2.75E-05	5.33E-04	2.41E-05	2.38E-05
TEEN	2.99E-05	2.77E-05	3.80E-06	3.33E-05	3.13E-05	4.50E-04	2.78E-05	2.73E-05
CHILD	4.47E-05	4.25E-05	8.32E-06	5.17E-05	4.78E-05	6.83E-04	4.31E-05	4.22E-05
INHAL								
ADULT	1.38E-05	1.35E-05	7.77E-07	1.43E-05	1.49E-05	3.13E-04	1.36E-05	1.32E-05
TEEN	1.40E-05	1.36E-05	1.09E-06	1.48E-05	1.56E-05	3.84E-04	1.40E-05	1.33E-05
CHILD	1.25E-05	1.19E-05	1.48E-06	1.32E-05	1.39E-05	4.27E-04	1.23E-05	1.17E-05
INFANT	7.27E-06	6.80E-06	1.13E-06	8.10E-06	8.19E-06	3.87E-04	7.30E-06	6.75E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 5 MILK
AT 4.93 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 5.62E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.89E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.11E-03	1.17E-03	3.28E-03
COw MILK ADULT	1.03E-05	8.24E-06	2.73E-06	1.18E-05	1.23E-05	8.04E-04	7.75E-06	7.55E-06
TEEN	1.34E-05	1.08E-05	4.91E-06	1.73E-05	1.83E-05	1.27E-03	1.02E-05	9.83E-06
CHILD	2.08E-05	1.63E-05	1.18E-05	2.83E-05	2.96E-05	2.51E-03	1.61E-05	1.55E-05
INFANT	3.25E-05	2.43E-05	2.26E-05	5.19E-05	4.77E-05	6.07E-03	2.46E-05	2.36E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 6 BEEF
AT 4.96 MILES ENE

SEMI-ANNUAL BETA AIR DOSE = 5.58E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.88E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.16E-03	3.26E-03
MEAT								
ADULT	3.51E-06	3.26E-06	2.95E-07	3.65E-06	3.59E-06	6.04E-05	3.22E-06	3.19E-06
TEEN	2.08E-06	1.95E-06	2.43E-07	2.28E-06	2.22E-06	4.33E-05	1.93E-06	1.90E-06
CHILD	2.46E-06	2.33E-06	4.44E-07	2.78E-06	2.70E-06	6.49E-05	2.33E-06	2.30E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 7 VEG,RES
AT 4.66 MILES E

SEMI-ANNUAL BETA AIR DOSE = 8.47E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.86E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.76E-03	4.96E-03
GROUND	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06	4.66E-06
VEGET								
ADULT	3.79E-05	3.44E-05	3.96E-06	3.99E-05	3.86E-05	7.37E-04	3.40E-05	3.36E-05
TEEN	4.21E-05	3.90E-05	5.23E-06	4.68E-05	4.40E-05	6.22E-04	3.92E-05	3.84E-05
CHILD	6.29E-05	5.99E-05	1.15E-05	7.26E-05	6.72E-05	9.43E-04	6.07E-05	5.95E-05
INHAL								
ADULT	1.95E-05	1.90E-05	1.10E-06	2.02E-05	2.10E-05	4.43E-04	1.92E-05	1.86E-05
TEEN	1.98E-05	1.91E-05	1.54E-06	2.09E-05	2.20E-05	5.43E-04	1.97E-05	1.87E-05
CHILD	1.76E-05	1.67E-05	2.09E-06	1.87E-05	1.96E-05	6.04E-04	1.74E-05	1.65E-05
INFANT	1.03E-05	9.59E-06	1.60E-06	1.14E-05	1.16E-05	5.47E-04	1.03E-05	9.51E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 8 RES
AT 4.24 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 1.30E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.40E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.72E-03	7.63E-03
GROUND	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	8.12E-06
INHAL ADULT	2.98E-05	2.90E-05	1.69E-06	3.08E-05	3.20E-05	6.81E-04	2.93E-05	2.83E-05
TEEN	3.02E-05	2.92E-05	2.37E-06	3.19E-05	3.36E-05	8.34E-04	3.00E-05	2.85E-05
CHILD	2.68E-05	2.55E-05	3.22E-06	2.85E-05	3.00E-05	9.29E-04	2.65E-05	2.52E-05
INFANT	1.56E-05	1.46E-05	2.46E-06	1.74E-05	1.76E-05	8.41E-04	1.57E-05	1.45E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 9 BEEF
AT 5.03 MILES ESE

SEMI-ANNUAL BETA AIR DOSE = 9.52E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.22E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.89E-03	1.98E-03	5.58E-03
MEAT								
ADULT	6.01E-06	5.56E-06	5.54E-07	6.29E-06	6.16E-06	1.13E-04	5.48E-06	5.42E-06
TEEN	3.55E-06	3.32E-06	4.56E-07	3.93E-06	3.83E-06	8.12E-05	3.29E-06	3.23E-06
CHILD	4.21E-06	3.95E-06	8.34E-07	4.81E-06	4.66E-06	1.22E-04	3.97E-06	3.91E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 10 VEG
AT 3.71 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 1.38E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.71E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.91E-03	8.15E-03
VEGET								
ADULT	6.71E-05	5.67E-05	1.17E-05	7.30E-05	6.93E-05	2.13E-03	5.57E-05	5.43E-05
TEEN	7.30E-05	6.40E-05	1.54E-05	8.69E-05	7.86E-05	1.79E-03	6.46E-05	6.22E-05
CHILD	1.06E-04	9.75E-05	3.38E-05	1.35E-04	1.19E-04	2.71E-03	9.98E-05	9.63E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 11 RES
AT 1.62 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 7.55E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.60E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.53E-02	1.53E-02	1.53E-02	1.53E-02	1.53E-02	1.53E-02	1.61E-02	4.48E-02
GROUND	8.23E-05	8.23E-05	8.23E-05	8.23E-05	8.23E-05	8.23E-05	8.23E-05	9.63E-05
INHAL								
ADULT	1.72E-04	1.67E-04	1.03E-05	1.78E-04	1.86E-04	4.11E-03	1.69E-04	1.63E-04
TEEN	1.74E-04	1.68E-04	1.45E-05	1.85E-04	1.95E-04	5.04E-03	1.74E-04	1.64E-04
CHILD	1.55E-04	1.47E-04	1.96E-05	1.65E-04	1.74E-04	5.62E-03	1.53E-04	1.45E-04
INFANT	9.02E-05	8.41E-05	1.50E-05	1.01E-04	1.02E-04	5.09E-03	9.09E-05	8.33E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 12 PORK
AT 3.84 MILES SE

SEMI-ANNUAL BETA AIR DOSE = 1.38E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.71E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.91E-03	8.15E-03
MEAT								
ADULT	9.17E-06	8.12E-06	1.28E-06	9.81E-06	9.52E-06	2.57E-04	7.94E-06	7.81E-06
TEEN	5.40E-06	4.85E-06	1.05E-06	6.27E-06	6.05E-06	1.85E-04	4.78E-06	4.66E-06
CHILD	6.33E-06	5.74E-06	1.93E-06	7.72E-06	7.38E-06	2.78E-04	5.77E-06	5.63E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 13 VEG,RES
AT 0.89 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 1.55E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.39E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.18E-02	3.18E-02	3.18E-02	3.18E-02	3.18E-02	3.18E-02	3.33E-02	9.27E-02
GROUND	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.34E-04	3.91E-04
VEGET ADULT	9.63E-04	6.70E-04	3.32E-04	1.13E-03	1.03E-03	6.00E-02	6.39E-04	6.01E-04
TEEN	9.96E-04	7.40E-04	4.39E-04	1.39E-03	1.16E-03	5.00E-02	7.55E-04	6.88E-04
CHILD	1.35E-03	1.10E-03	9.61E-04	2.16E-03	1.71E-03	7.58E-02	1.16E-03	1.07E-03
INHAL ADULT	3.51E-04	3.41E-04	2.17E-03	3.64E-04	3.80E-04	8.59E-03	3.46E-04	3.33E-04
TEEN	3.56E-04	3.44E-04	3.04E-05	3.78E-04	4.00E-04	1.05E-02	3.56E-04	3.35E-04
CHILD	3.17E-04	3.00E-04	4.12E-05	3.38E-04	3.57E-04	1.17E-02	3.14E-04	2.96E-04
INFANT	1.85E-04	1.72E-04	3.15E-05	2.08E-04	2.10E-04	1.06E-02	1.87E-04	1.70E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 14 PORK
AT 1.10 MILES SSE

SEMI-ANNUAL BETA AIR DOSE = 1.26E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.38E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.59E-02	2.59E-02	2.59E-02	2.59E-02	2.59E-02	2.59E-02	2.71E-02	7.54E-02
MEAT								
ADULT	9.96E-05	7.69E-05	2.78E-05	1.14E-04	1.07E-04	5.49E-03	7.30E-05	7.00E-05
TEEN	5.79E-05	4.60E-05	2.28E-05	7.67E-05	7.20E-05	3.97E-03	4.45E-05	4.18E-05
CHILD	6.57E-05	5.30E-05	4.18E-05	9.58E-05	8.86E-05	5.98E-03	5.36E-05	5.05E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 15 VEG,RES
AT 0.78 MILES S

SEMI-ANNUAL BETA AIR DOSE = 1.45E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.04E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.97E-02	2.97E-02	2.97E-02	2.97E-02	2.97E-02	2.97E-02	3.12E-02	8.66E-02
GROUND	3.79E-04	3.79E-04	3.79E-04	3.79E-04	3.79E-04	3.79E-04	3.79E-04	4.43E-04
VEGET ADULT	9.71E-04	6.38E-04	3.77E-04	1.16E-03	1.05E-03	6.81E-02	6.03E-04	5.59E-04
TEEN	9.91E-04	7.00E-04	4.99E-04	1.44E-03	1.17E-03	5.66E-02	7.17E-04	6.40E-04
CHILD	1.32E-03	1.03E-03	1.09E-03	2.24E-03	1.73E-03	8.59E-02	1.10E-03	9.92E-04
INHAL ADULT	3.27E-04	3.18E-04	2.02E-05	3.39E-04	3.54E-04	8.01E-03	3.22E-04	3.10E-04
TEEN	3.32E-04	3.20E-04	2.84E-05	3.52E-04	3.72E-04	9.83E-03	3.31E-04	3.12E-04
CHILD	2.95E-04	2.79E-04	3.84E-05	3.15E-04	3.33E-04	1.10E-02	2.92E-04	2.76E-04
INFANT	1.72E-04	1.60E-04	2.94E-05	1.94E-04	1.96E-04	9.93E-03	1.74E-04	1.59E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 16 BEEF
AT 1.98 MILES S

SEMI-ANNUAL BETA AIR DOSE = 1.63E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.62E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.32E-03	3.32E-03	3.32E-03	3.32E-03	3.32E-03	3.32E-03	3.48E-03	9.69E-03
MEAT								
ADULT	1.34E-05	1.01E-05	4.05E-06	1.54E-05	1.45E-05	7.99E-04	9.53E-06	9.09E-06
TEEN	7.77E-06	6.03E-06	3.33E-06	1.05E-05	9.83E-06	5.78E-04	5.82E-06	5.42E-06
CHILD	8.77E-06	6.92E-06	6.10E-06	1.32E-05	1.21E-05	8.70E-04	7.01E-06	6.55E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 1 COW
AT 2.75 MILES S

SEMI-ANNUAL BETA AIR DOSE = 7.80E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.68E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.66E-03	4.63E-03
COW MILK ADULT	2.78E-05	1.47E-05	1.75E-05	3.75E-05	4.10E-05	5.15E-03	1.15E-05	1.02E-05
TEEN	3.65E-05	1.93E-05	3.16E-05	6.12E-05	6.80E-05	8.14E-03	1.59E-05	1.33E-05
CHILD	5.47E-05	2.58E-05	7.59E-05	1.03E-04	1.12E-04	1.61E-02	2.49E-05	2.11E-05
INFANT	8.96E-05	3.66E-05	1.45E-04	2.14E-04	1.87E-04	3.90E-02	3.87E-05	3.20E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 2 VEG,RES
AT 0.62 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 1.80E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 6.24E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.69E-02	3.69E-02	3.69E-02	3.69E-02	3.69E-02	3.69E-02	3.87E-02	1.07E-01
GROUND	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	3.30E-04
VEGET								
ADULT	1.00E-03	7.53E-04	2.81E-04	1.14E-03	1.06E-03	5.10E-02	7.27E-04	6.95E-04
TEEN	1.06E-03	8.40E-04	3.71E-04	1.39E-03	1.19E-03	4.25E-02	8.53E-04	7.96E-04
CHILD	1.47E-03	1.26E-03	8.13E-04	2.16E-03	1.78E-03	6.44E-02	1.32E-03	1.23E-03
INHAL								
ADULT	4.07E-04	3.95E-04	2.54E-05	4.22E-04	4.40E-04	1.00E-02	4.01E-04	3.85E-04
TEEN	4.13E-04	3.98E-04	3.56E-05	4.38E-04	4.64E-04	1.23E-02	4.12E-04	3.87E-04
CHILD	3.67E-04	3.47E-04	4.82E-05	3.92E-04	4.14E-04	1.37E-02	3.64E-04	3.43E-04
INFANT	2.14E-04	1.99E-04	3.69E-05	2.41E-04	2.44E-04	1.24E-02	2.16E-04	1.97E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 3 MILK
AT 0.67 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 1.56E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.42E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.20E-02	3.20E-02	3.20E-02	3.20E-02	3.20E-02	3.20E-02	3.35E-02	9.31E-02
COW MILK								
ADULT	4.54E-04	2.67E-04	2.51E-04	5.93E-04	6.44E-04	7.40E-02	2.21E-04	2.03E-04
TEEN	5.96E-04	3.50E-04	4.53E-04	9.51E-04	1.05E-03	1.17E-01	3.00E-04	2.64E-04
CHILD	9.00E-04	4.85E-04	1.09E-03	1.59E-03	1.72E-03	2.31E-01	4.72E-04	4.17E-04
INFANT	1.46E-03	6.99E-04	2.08E-03	3.24E-03	2.87E-03	5.61E-01	7.30E-04	6.33E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 4 BEEF
AT 2.01 MILES SSW

SEMI-ANNUAL BETA AIR DOSE = 1.32E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 4.53E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.80E-03	7.82E-03
MEAT								
ADULT	9.41E-06	7.86E-06	1.89E-06	1.04E-05	9.93E-06	3.75E-04	7.60E-06	7.39E-06
TEEN	5.51E-06	4.69E-06	1.55E-06	6.79E-06	6.46E-06	2.71E-04	4.60E-06	4.41E-06
CHILD	6.36E-06	5.50E-06	2.84E-06	8.41E-06	7.92E-06	4.08E-04	5.54E-06	5.33E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 5 VEG,RES
AT 0.79 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 7.08E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.46E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.52E-02	4.23E-02
GROUND	1.15E-04	1.15E-04	1.15E-04	1.15E-04	1.15E-04	1.15E-04	1.15E-04	1.34E-04
VEGET ADULT	3.98E-04	2.97E-04	1.14E-04	4.56E-04	4.21E-04	2.07E-02	2.86E-04	2.73E-04
TEEN	4.19E-04	3.31E-04	1.51E-04	5.55E-04	4.74E-04	1.73E-02	3.36E-04	3.13E-04
CHILD	5.83E-04	4.96E-04	3.31E-04	8.62E-04	7.08E-04	2.62E-02	5.19E-04	4.84E-04
INHAL ADULT	1.60E-04	1.55E-04	9.89E-06	1.66E-04	1.73E-04	3.91E-03	1.57E-04	1.51E-04
TEEN	1.62E-04	1.56E-04	1.39E-05	1.71E-04	1.82E-04	4.80E-03	1.62E-04	1.52E-04
CHILD	1.44E-04	1.37E-04	1.88E-05	1.54E-04	1.62E-04	5.35E-03	1.43E-04	1.35E-04
INFANT	8.40E-05	7.82E-05	1.44E-05	9.46E-05	9.57E-05	4.85E-03	8.49E-05	7.74E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 6 BEEF
AT 0.81 MILES SW

SEMI-ANNUAL BETA AIR DOSE = 7.08E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 2.46E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.45E-02	1.52E-02	4.23E-02
MEAT								
ADULT	5.28E-05	4.24E-05	1.27E-05	5.92E-05	5.64E-05	2.52E-03	4.06E-05	3.93E-05
TEEN	3.08E-05	2.53E-05	1.05E-05	3.94E-05	3.73E-05	1.82E-03	2.47E-05	2.34E-05
CHILD	3.53E-05	2.94E-05	1.92E-05	4.91E-05	4.58E-05	2.75E-03	2.97E-05	2.83E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 7 VEG,RES
AT 1.01 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 4.37E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.51E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.93E-03	8.93E-03	8.93E-03	8.93E-03	8.93E-03	8.93E-03	9.37E-03	2.61E-02
GROUND	4.88E-05	4.88E-05	4.88E-05	4.88E-05	4.88E-05	4.88E-05	4.88E-05	5.71E-05
VEGET								
ADULT	2.22E-04	1.79E-04	4.86E-05	2.47E-04	2.32E-04	8.85E-03	1.75E-04	1.69E-04
TEEN	2.39E-04	2.02E-04	6.42E-05	2.97E-04	2.62E-04	7.40E-03	2.04E-04	1.94E-04
CHILD	3.42E-04	3.05E-04	1.41E-04	4.61E-04	3.95E-04	1.12E-02	3.15E-04	3.00E-04
INHAL								
ADULT	9.90E-05	9.61E-05	6.10E-06	1.03E-04	1.07E-04	2.42E-03	9.75E-05	9.38E-05
TEEN	1.00E-04	9.69E-05	8.55E-06	1.07E-04	1.13E-04	2.96E-03	1.00E-04	9.44E-05
CHILD	8.93E-05	8.46E-05	1.16E-05	9.53E-05	1.01E-04	3.30E-03	8.85E-05	8.35E-05
INFANT	5.21E-05	4.84E-05	8.86E-06	5.86E-05	5.93E-05	2.99E-03	5.26E-05	4.80E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 8 BEEF,PORK
AT 4.71 MILES WSW

SEMI-ANNUAL BETA AIR DOSE = 1.72E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.84E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.43E-04	3.43E-04	3.43E-04	3.43E-04	3.43E-04	3.43E-04	3.61E-04	1.01E-03
MEAT								
ADULT	1.12E-06	1.01E-06	1.32E-07	1.18E-06	1.15E-06	2.67E-05	9.90E-07	9.76E-07
TEEN	6.59E-07	6.02E-07	1.09E-07	7.49E-07	7.26E-07	1.92E-05	5.95E-07	5.82E-07
CHILD	7.76E-07	7.15E-07	1.99E-07	9.19E-07	8.84E-07	2.88E-05	7.18E-07	7.03E-07

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 9 VEG,RES
AT 1.17 MILES W

SEMI-ANNUAL BETA AIR DOSE = 3.32E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.16E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.83E-03	6.83E-03	6.83E-03	6.83E-03	6.83E-03	6.83E-03	7.16E-03	1.99E-02
GROUND	4.87E-05	4.87E-05	4.87E-05	4.87E-05	4.87E-05	4.87E-05	4.87E-05	5.70E-05
VEGET								
ADULT	1.81E-04	1.38E-04	4.86E-05	2.06E-04	1.91E-04	8.81E-03	1.34E-04	1.28E-04
TEEN	1.92E-04	1.54E-04	6.41E-05	2.49E-04	2.15E-04	7.35E-03	1.57E-04	1.47E-04
CHILD	2.69E-04	2.32E-04	1.40E-04	3.88E-04	3.22E-04	1.11E-02	2.42E-04	2.27E-04
INHAL								
ADULT	7.48E-05	7.27E-05	4.57E-06	7.77E-05	8.10E-05	1.81E-03	7.37E-05	7.10E-05
TEEN	7.60E-05	7.33E-05	6.41E-06	8.06E-05	8.52E-05	2.23E-03	7.58E-05	7.14E-05
CHILD	6.75E-05	6.40E-05	8.68E-06	7.21E-05	7.60E-05	2.48E-03	6.69E-05	6.32E-05
INFANT	3.94E-05	3.67E-05	6.65E-06	4.43E-05	4.48E-05	2.25E-03	3.97E-05	3.63E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 10 BEEF
AT 1.94 MILES W

SEMI-ANNUAL BETA AIR DOSE = 1.11E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 3.84E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.27E-03	2.27E-03	2.27E-03	2.27E-03	2.27E-03	2.27E-03	2.38E-03	6.62E-03
MEAT								
ADULT	7.83E-06	6.58E-06	1.53E-06	8.60E-06	8.26E-06	3.05E-04	6.36E-06	6.20E-06
TEEN	4.59E-06	3.93E-06	1.26E-06	5.63E-06	5.37E-06	2.20E-04	3.85E-06	3.70E-06
CHILD	5.31E-06	4.61E-06	2.31E-06	6.97E-06	6.57E-06	3.31E-04	4.64E-06	4.47E-06

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 11 MILK
AT 3.65 MILES W

SEMI-ANNUAL BETA AIR DOSE = 2.89E-03 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 9.90E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	5.83E-04	6.12E-04	1.71E-03
COW MILK ADULT	6.72E-06	4.54E-06	2.92E-06	8.33E-06	8.92E-06	8.60E-04	4.01E-06	3.80E-06
TEEN	8.80E-06	5.94E-06	5.26E-06	1.29E-05	1.40E-05	1.36E-03	5.37E-06	4.95E-06
CHILD	1.34E-05	8.59E-06	1.27E-05	2.15E-05	2.29E-05	2.68E-03	8.45E-06	7.81E-06
INFANT	2.15E-05	1.26E-05	2.42E-05	4.22E-05	3.78E-05	6.51E-03	1.30E-05	1.19E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 12 RES,BEEF
AT 1.91 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 3.26E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.13E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.64E-03	6.64E-03	6.64E-03	6.64E-03	6.64E-03	6.64E-03	6.96E-03	1.94E-02
GROUND	3.28E-05	3.28E-05	3.28E-05	3.28E-05	3.28E-05	3.28E-05	3.28E-05	3.84E-05
MEAT								
ADULT	2.21E-05	1.91E-05	3.63E-06	2.39E-05	2.31E-05	7.27E-04	1.86E-05	1.82E-05
TEEN	1.30E-05	1.14E-05	2.99E-06	1.54E-05	1.48E-05	5.24E-04	1.12E-05	1.09E-05
CHILD	1.51E-05	1.34E-05	5.47E-06	1.91E-05	1.81E-05	7.88E-04	1.35E-05	1.31E-05
INHAL								
ADULT	7.39E-05	7.19E-05	4.42E-06	7.66E-05	7.99E-05	1.76E-03	7.28E-05	7.02E-05
TEEN	7.50E-05	7.24E-05	6.20E-06	7.95E-05	8.39E-05	2.16E-03	7.48E-05	7.06E-05
CHILD	6.67E-05	6.33E-05	8.40E-06	7.11E-05	7.49E-05	2.41E-03	6.60E-05	6.25E-05
INFANT	3.89E-05	3.62E-05	6.43E-06	4.36E-05	4.41E-05	2.18E-03	3.91E-05	3.59E-05

PORT CALHOUN : RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 13 VEG
AT 1.93 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 3.21E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.11E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.53E-03	6.53E-03	6.53E-03	6.53E-03	6.53E-03	6.53E-03	6.85E-03	1.91E-02
VEGET								
ADULT	1.60E-04	1.31E-04	3.23E-05	1.76E-04	1.66E-04	5.89E-03	1.28E-04	1.25E-04
TEEN	1.73E-04	1.48E-04	4.26E-05	2.11E-04	1.88E-04	4.93E-03	1.49E-04	1.43E-04
CHILD	2.49E-04	2.24E-04	9.34E-05	3.28E-04	2.84E-04	7.47E-03	2.31E-04	2.21E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 14 MILK
AT 2.78 MILES WNW

SEMI-ANNUAL BETA AIR DOSE = 1.49E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.11E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.16E-03	8.83E-03
COW MILK								
ADULT	3.38E-05	2.32E-05	1.41E-05	4.16E-05	4.45E-05	4.17E-03	2.07E-05	1.96E-05
TEEN	4.43E-05	3.04E-05	2.55E-05	6.43E-05	6.97E-05	6.59E-03	2.76E-05	2.56E-05
CHILD	6.75E-05	4.42E-05	6.13E-05	1.07E-04	1.13E-04	1.30E-02	4.35E-05	4.04E-05
INFANT	1.08E-04	6.50E-05	1.17E-04	2.08E-04	1.87E-04	3.16E-02	6.68E-05	6.13E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION = 15 RES
AT 2.40 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 4.66E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.62E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.53E-03	9.53E-03	9.53E-03	9.53E-03	9.53E-03	9.53E-03	1.00E-02	2.78E-02
GROUND	5.82E-05	5.82E-05	5.82E-05	5.82E-05	5.82E-05	5.82E-05	5.82E-05	6.82E-05
INHAL								
ADULT	1.05E-04	1.02E-04	6.25E-06	1.09E-04	1.14E-04	2.49E-03	1.04E-04	1.00E-04
TEEN	1.07E-04	1.03E-04	8.76E-06	1.13E-04	1.19E-04	3.06E-03	1.06E-04	1.01E-04
CHILD	9.50E-05	9.02E-05	1.19E-05	1.01E-04	1.07E-04	3.41E-03	9.40E-05	8.90E-05
INFANT	5.54E-05	5.16E-05	9.09E-06	6.21E-05	6.28E-05	3.09E-03	5.57E-05	5.12E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 16 VEG
AT 2.32 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 4.75E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.64E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.70E-03	9.70E-03	9.70E-03	9.70E-03	9.70E-03	9.70E-03	1.02E-02	2.83E-02
VEGET								
ADULT	2.49E-04	1.96E-04	6.02E-05	2.80E-04	2.61E-04	1.09E-02	1.91E-04	1.84E-04
TEEN	2.66E-04	2.20E-04	7.95E-05	3.38E-04	2.95E-04	9.14E-03	2.23E-04	2.10E-04
CHILD	3.77E-04	3.32E-04	1.74E-04	5.25E-04	4.43E-04	1.39E-02	3.44E-04	3.26E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 1 MILK,PORK
AT 3.47 MILES NW

SEMI-ANNUAL BETA AIR DOSE = 2.25E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 7.71E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.54E-03	4.54E-03	4.54E-03	4.54E-03	4.54E-03	4.54E-03	4.77E-03	1.33E-02
MEAT								
ADULT	1.56E-05	1.33E-05	2.72E-06	1.69E-05	1.63E-05	5.42E-04	1.29E-05	1.27E-05
TEEN	9.12E-06	7.96E-06	2.24E-06	1.10E-05	1.05E-05	3.91E-04	7.81E-06	7.55E-06
CHILD	1.06E-05	9.36E-06	4.09E-06	1.36E-05	1.28E-05	5.88E-04	9.42E-06	9.12E-06
COW MILK								
ADULT	5.47E-05	3.61E-05	2.50E-05	6.85E-05	7.35E-05	7.35E-03	3.15E-05	2.97E-05
TEEN	7.17E-05	4.72E-05	4.50E-05	1.07E-04	1.17E-04	1.16E-02	4.23E-05	3.87E-05
CHILD	1.09E-04	6.78E-05	1.08E-04	1.78E-04	1.90E-04	2.29E-02	6.66E-05	6.12E-05
INFANT	1.75E-04	9.93E-05	2.07E-04	3.52E-04	3.14E-04	5.57E-02	1.02E-04	9.28E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 2 BEEF
AT 1.06 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 2.13E-01 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 7.40E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.37E-02	4.37E-02	4.37E-02	4.37E-02	4.37E-02	4.37E-02	4.58E-02	1.27E-01
MEAT								
ADULT	1.73E-04	1.31E-04	5.14E-05	1.99E-04	1.87E-04	1.02E-02	1.24E-04	1.18E-04
TEEN	1.00E-04	7.81E-05	4.23E-05	1.35E-04	1.26E-04	7.34E-03	7.54E-05	7.04E-05
CHILD	1.13E-04	8.97E-05	7.73E-05	1.69E-04	1.56E-04	1.11E-02	9.08E-05	8.51E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 3 VEG,RES
AT 2.01 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 5.16E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 1.79E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.11E-02	3.08E-02
GROUND	9.02E-05	9.02E-05	9.02E-05	9.02E-05	9.02E-05	9.02E-05	9.02E-05	1.06E-04
VEGET								
ADULT	2.98E-04	2.18E-04	8.99E-05	3.43E-04	3.16E-04	1.63E-02	2.10E-04	2.00E-04
TEEN	3.12E-04	2.43E-04	1.19E-04	4.19E-04	3.55E-04	1.36E-02	2.47E-04	2.29E-04
CHILD	4.31E-04	3.63E-04	2.60E-04	6.51E-04	5.30E-04	2.06E-02	3.81E-04	3.54E-04
INHAL								
ADULT	1.17E-04	1.13E-04	6.99E-06	1.21E-04	1.26E-04	2.78E-03	1.15E-04	1.11E-04
TEEN	1.18E-04	1.14E-04	9.81E-06	1.25E-04	1.32E-04	3.42E-03	1.18E-04	1.11E-04
CHILD	1.05E-04	9.98E-05	1.33E-05	1.12E-04	1.18E-04	3.81E-03	1.04E-04	9.85E-05
INFANT	6.13E-05	5.71E-05	1.02E-05	6.88E-05	6.96E-05	3.45E-03	6.17E-05	5.66E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 02-19-85
SPECIAL LOCATION # 4 PORK
AT 3.70 MILES NNW

SEMI-ANNUAL BETA AIR DOSE = 1.48E-02 MILLRADS
SEMI-ANNUAL GAMMA AIR DOSE = 5.08E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	3.14E-03	8.78E-03
MEAT								
ADULT	1.08E-05	8.90E-06	2.30E-06	1.19E-05	1.14E-05	4.57E-04	8.58E-06	8.34E-06
TEEN	6.31E-06	5.32E-06	1.89E-06	7.87E-06	7.47E-06	3.30E-04	5.20E-06	4.97E-06
CHILD	7.27E-06	6.21E-06	3.46E-06	9.76E-06	9.16E-06	4.96E-04	6.27E-06	6.01E-06

FORT CALHOUN 1 SEMI-ANNUAL 7/84- 12/84 TRI-EX TOWER DATA 02-21-85
SEMI-ANNUAL ALARA INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.72E-02	6.72E-02	6.72E-02	6.72E-02	6.72E-02	6.72E-02	7.21E-02	2.44E-01
	93.82%	94.67%	97.62%	92.84%	92.69%	18.83%	95.14%	98.53%
GROUND	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.68E-04
	0.56%	0.56%	0.58%	0.55%	0.55%	0.11%	0.53%	0.19%
INHAL	1.14E-03	1.10E-03	7.10E-05	1.18E-03	1.23E-03	2.63E-02	1.12E-03	1.09E-03
	1.59%	1.56%	0.10%	1.63%	1.69%	7.37%	1.48%	0.44%
VEGET	1.96E-03	1.57E-03	7.64E-04	2.42E-03	2.48E-03	1.74E-01	1.48E-03	1.43E-03
	2.74%	2.22%	1.11%	3.34%	3.42%	48.65%	1.96%	0.58%
COW MILK	5.44E-04	3.68E-04	3.30E-04	7.55E-04	7.80E-04	7.55E-02	3.47E-04	3.24E-04
	0.76%	0.52%	0.48%	1.04%	1.08%	21.16%	0.46%	0.13%
MEAT	3.88E-04	3.37E-04	7.62E-05	4.32E-04	4.16E-04	1.39E-02	3.30E-04	3.23E-04
	0.54%	0.48%	0.11%	0.60%	0.57%	3.89%	0.44%	0.13%
TOTAL	7.17E-02	7.10E-02	6.89E-02	7.24E-02	7.25E-02	3.57E-01	7.57E-02	2.48E-01

FT. CALHOUN 1 SEMI-ANNUAL RELEASES FOR JUL 1984 TO DEC 1984 02-22-85

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 7/84-12/84

NO RECONCENTRATION OF NUCLIDES

* * * ADULT DOSE FACTORS * * *

			INGESTION DOSE FACTORS (MREM/PCI INTAKE)							SHORELINE (MREM/HR)/(PCI/M**2)		
NUCLIDE		CURIE/.5YR	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SKIN	TOTAL BODY	RECON
27CO	57	7.70E-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	3.56E-02	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	3.87E-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	1.23E-02	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	8.76E-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	1.83E-02	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	8.54E-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	2.87E-02	2.03E-05	2.55E-08	1.34E-06	0.00E+00	8.68E-09	1.46E-08	4.18E-05	2.40E-09	2.10E-09	1.00E+00
44RU	103	1.08E-02	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	1.05E+00	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	3.76E-02	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	6.28E-02	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	9.78E-01	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	2.45E-01	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	1.77E-02	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	4.65E-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	8.41E-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	7.52E-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	4.94E-02	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	1.74E-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	3.83E-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	8.77E+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

* * * TEENAGER 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
58CE 141	1.23E-02	1.26E-08	8.46E-09	9.70E-10	0.00E+00	2.94E-09	0.00E+00	2.29E-05			
53I 131	1.83E-02	5.57E-06	7.87E-06	4.69E-06	2.27E-03	1.02E-05	0.00E+00	1.49E-06			
53I 133	8.54E-03	2.03E-06	3.44E-06	1.06E-06	6.25E-04	4.33E-06	0.00E+00	2.50E-06			
56BA 140	2.87E-02	2.83E-05	3.48E-08	1.82E-06	0.00E+00	8.68E-09	2.33E-08	4.14E-06			
44RU 103	1.08E-02	2.37E-07	0.00E+00	1.06E-07	0.00E+00	7.07E-07	0.00E+00	1.85E-05			
55CS 137	1.05E+00	1.07E-04	1.44E-04	5.05E-05	0.00E+00	3.71E-05	1.91E-05	1.92E-06			
40ZR 95	3.76E-02	3.72E-08	1.24E-08	8.66E-09	0.00E+00	1.54E-08	0.00E+00	2.68E-05			
41NB 95	6.28E-02	7.24E-09	4.36E-09	2.46E-09	0.00E+00	3.43E-09	0.00E+00	1.78E-05			
55CS 134	9.78E-01	8.05E-05	1.94E-04	9.06E-05	0.00E+00	4.80E-05	2.35E-05	2.24E-06			
27CO 58	2.45E-01	0.00E+00	9.92E-07	2.26E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05			
27CO 60	4.94E-02	0.00E+00	2.76E-06	6.30E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-05			
57LA 140	1.74E-03	3.48E-09	1.72E-09	4.55E-10	0.00E+00	0.00E+00	0.00E+00	9.48E-05			
1H 3	8.77E+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 * * *

		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
58CE 141	1.23E-02	3.76E-08	1.88E-08	2.80E-09	0.00E+00	2.94E-09	0.00E+00	2.36E-05			
53I 131	1.83E-02	1.63E-05	1.67E-05	1.26E-05	5.43E-03	1.02E-05	0.00E+00	1.43E-06			
53I 133	8.54E-03	5.98E-06	7.38E-06	2.90E-06	1.78E-03	4.33E-06	0.00E+00	2.99E-06			
56BA 140	2.87E-02	8.26E-05	7.25E-08	4.85E-06	0.00E+00	8.68E-09	4.32E-08	4.21E-06			
44RU 103	1.08E-02	6.78E-07	0.00E+00	2.74E-07	0.00E+00	7.07E-07	0.00E+00	1.78E-05			
55CS 137	1.05E+00	3.12E-04	3.02E-04	4.50E-05	0.00E+00	3.71E-05	3.54E-05	1.84E-06			
40ZR 95	3.76E-02	1.04E-07	2.42E-08	2.20E-08	0.00E+00	1.54E-08	0.00E+00	2.50E-05			
41NB 95	6.28E-02	1.95E-08	8.32E-09	6.11E-09	0.00E+00	3.43E-09	0.00E+00	1.44E-05			
55CS 134	9.78E-01	2.24E-04	3.77E-04	8.02E-05	0.00E+00	4.80E-05	4.19E-05	2.04E-06			
27CO 58	2.45E-01	0.00E+00	1.85E-06	5.58E-06	0.00E+00	0.00E+00	0.00E+00	1.10E-05			
27CO 60	4.94E-02	0.00E+00	5.17E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	2.86E-05			
57LA 140	1.74E-03	1.01E-08	3.52E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	1.00E-04			
1H 3	8.77E+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 * * *

		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
58CE 141	1.23E-02	8.00E-08	4.91E-08	5.75E-09	0.00E+00	2.94E-09	0.00E+00	2.38E-05			
53I 131	1.83E-02	3.42E-05	4.07E-05	2.38E-05	1.31E-02	1.02E-05	0.00E+00	1.53E-06			
53I 133	8.54E-03	1.26E-05	1.84E-05	5.58E-06	4.35E-03	4.33E-06	0.00E+00	3.27E-06			
56BA 140	2.87E-02	1.74E-04	1.75E-07	8.99E-06	0.00E+00	8.68E-09	1.07E-07	4.43E-06			
44RU 103	1.08E-02	1.41E-06	0.00E+00	4.85E-07	0.00E+00	7.07E-07	0.00E+00	1.76E-05			
55CS 137	1.05E+00	6.53E-04	7.31E-04	4.20E-05	0.00E+00	3.71E-05	8.81E-05	1.89E-06			
40ZR 95	3.76E-02	2.11E-07	5.32E-08	3.78E-08	0.00E+00	1.54E-08	0.00E+00	2.38E-05			
41NB 95	6.28E-02	3.89E-08	1.75E-08	1.03E-08	0.00E+00	3.43E-09	0.00E+00	1.40E-05			
55CS 134	9.78E-01	4.58E-04	8.24E-04	6.97E-05	0.00E+00	4.80E-05	9.42E-05	1.96E-06			
27CO 58	2.45E-01	0.00E+00	3.78E-06	9.26E-06	0.00E+00	0.00E+00	0.00E+00	9.79E-06			
27CO 60	4.94E-02	0.00E+00	1.07E-05	2.56E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-05			
57LA 140	1.74E-03	2.12E-08	8.37E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-04			
1H 3	8.77E+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 9.0430E+01

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

ADULT DOSES

DOSE (MREM PER .SVR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		1.16E+00	2.08E+00	1.55E+00	2.12E-03	6.89E-01	2.28E-01	1.96E-01
DRINKING		4.79E-03	8.97E-03	6.80E-03	1.56E-03	3.24E-03	1.33E-03	9.16E-04
SHORELINE	1.28E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03
SWIMMING	0.00E+00	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05
BOATING	0.00E+00	5.58E-06	5.58E-06	5.58E-06	5.58E-06	5.58E-06	5.58E-06	5.58E-06
TOTAL	1.28E-03	1.16E+00	2.09E+00	1.56E+00	4.80E-03	6.93E-01	2.30E-01	1.98E-01

	USAGE (KG/YR,MR/YR)	DILUTION	TIME(HR)	SHOREWIDTH FACTOR=0.2
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 57%	CS 137 44%	CS 137 38%	I 131 92%	CS 137 45%	CS 137 45%	CS 137 8%
		CS 134 42%	CS 134 55%	CS 134 61%	I 133 5%	CS 134 54%	CS 134 54%	NB 95 79%
					M 3 2%			CS 134 10%
DRINKING		CS 137 57%	CS 137 41%	CS 137 36%	I 131 70%	CS 137 39%	CS 137 31%	MO 99 1%
		CS 134 41%	CS 134 53%	CS 134 57%	I 133 4%	CS 134 47%	CS 134 38%	CE 141 1%
			M 3 4%	M 3 5%	M 3 24%	M 3 11%	M 3 29%	BA 140 4%
								CS 137 7%
								ZR 95 4%
								NB 95 4%
								CS 134 9%
								CO 58 13%
								FE 59 1%
								CO 60 7%
								SB 124 1%
								M 3 42%
SHORELINE	CS 137 57%	CS 137 57%						
	CS 134 35%	CS 134 35%						
	CO 60 5%	CO 60 5%						
SWIM M f		CS 137 21%						
		ZR 95 1%						
		NB 95 1%						
		CS 134 58%						
		CO 58 9%						
		CO 60 4%						

• • • AS LOW AS REASONABLY ACHIEVABLE • • •

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

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		1.17E+00	2.08E+00	8.65E-01	1.88E-03	5.25E-01	2.63E-01	1.28E-01
DRINKING		4.42E-03	8.10E-03	3.51E-03	1.18E-03	2.27E-03	1.21E-03	5.21E-04
SHORELINE	7.17E-03	6.15E-03	6.15E-03	6.15E-03	6.15E-03	6.15E-03	6.15E-03	6.15E-03
SWIMMING	0.00E+00	6.23E-05	6.23E-05	6.23E-05	6.23E-05	6.23E-05	6.23E-05	6.23E-05
BOATING	0.00E+00	3.12E-05	3.12E-05	3.12E-05	3.12E-05	3.12E-05	3.12E-05	3.12E-05
TOTAL	7.17E-03	1.18E+00	2.10E+00	8.75E-01	9.30E-03	5.33E-01	2.70E-01	1.35E-01

	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 58%	CS 137 44%	CS 137 37%	I 131 92%	CS 137 45%	CS 137 46%	CS 137 9%
		CS 134 41%	CS 134 55%	CS 134 62%	I 133 5%	CS 134 54%	CS 134 53%	NB 95 78%
					H 3 1%			CS 134 10%
DRINKING		CS 137 58%	CS 137 42%	CS 137 34%	I 131 76%	CS 137 39%	CS 137 38%	MO 99 1%
		CS 134 41%	CS 134 54%	CS 134 58%	I 133 5%	CS 134 47%	CS 134 43%	CE 141 1%
			H 3 2%	H 3 6%	H 3 18%	H 3 11%	H 3 17%	CS 137 8%
								ZR 95 4%
								NB 95 4%
								CS 134 9%
								CO 58 14%
								MN 54 1%
								FE 59 1%
								CO 60 7%
								SB 124 1%
								H 3 41%
SHORELINE	CS 137 57%	CS 137 57%						
	CS 134 35%	CS 134 35%						
	CO 60 5%	CO 60 5%						
SWIM M f		CS 137 21%						
		ZR 95 1%						
		NB 95 1%						
		CS 134 58%						
		CO 58 9%						
		CO 60 4%						

• • • 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		1.44E+00	1.80E+00	3.31E-01	1.96E-03	2.26E-01	2.06E-01	4.61E-02
DRINKING		1.27E-02	1.63E-02	3.37E-03	2.74E-03	2.27E-03	2.21E-03	6.86E-04
SHORELINE	1.50E-03	1.28E-03	1.28E-03	1.28E-03	1.28E-03	1.28E-03	1.26E-03	1.28E-03
SWIMMING	0.00E+00	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05
BOATING	0.00E+00	6.51E-06	6.51E-06	6.51E-06	6.51E-06	6.51E-06	6.51E-06	6.51E-06
TOTAL	1.50E-03	1.45E+00	1.82E+00	3.36E-01	6.00E-03	2.30E-01	2.09E-01	4.81E-02

	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 59%	CS 137 46%	CS 137 37%	I 131 92%	CS 137 45%	CS 137 47%	CS 137 10%
		CS 134 40%	CS 134 53%	CS 134 62%	I 133 6%	CS 134 54%	CS 134 52%	NB 95 76%
					H 3 1%			CS 134 11%
DRINKING		CS 137 59%	CS 137 44%	CS 137 32%	I 131 78%	CS 137 39%	CS 137 38%	CS 137 6%
		CS 134 39%	CS 134 52%	CS 134 53%	I 133 6%	CS 134 47%	CS 134 42%	ZR 95 3%
			H 3 2%	H 3 12%	H 3 14%	H 3 11%	H 3 18%	NB 95 3%
								CS 134 6%
								CO 58 9%
								CO 60 4%
								SB 124 1%
								H 3 59%
SHORELINE	CS 137 57%	CS 137 57%						
	CS 134 35%	CS 134 35%						
	CO 60 5%	CO 60 5%						
SWIM M f		CS 137 21%						
		ZR 95 1%						
		NB 95 1%						
		CS 134 58%						
		CO 58 9%						
		CO 60 4%						

* * * 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		1.70E-02	2.39E-02	2.14E-03	4.05E-03	1.47E-03	3.16E-03	5.73E-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	1.70E-02	2.39E-02	2.14E-03	4.05E-03	1.47E-03	3.16E-03	5.73E-04

	USAGE (KG/YR,HR/YR)	DILUTION	TIME(HR)	SHOREWIDTH FACTOR=0.2
FISH	0.0	7.3	24.00	
DRINKING	330.0	30.8	18.60	

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING		CS 137 60%	CS 137 47%	CS 137 30%	I 131 82%	CS 137 39%	CS 137 43%	CS 137 5%
		CS 134 39%	CS 134 50%	CS 134 47%	I 133 7%	CS 134 47%	CS 134 43%	ZR 95 2%
			H 3 1%	CO 58 1%	H 3 9%	H 3 11%	H 3 12%	NB 95 2%
				H 3 18%				CS 134 4%
								CO 58 6%
								CO 60 3%
								H 3 70%

• • • SELECTED LOCATION • • •

LOCATION IS SITE DISCHG.

A D U L T D O S E S

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.45E+00	1.52E+01	1.13E+01	1.55E-02	5.03E+00	1.66E+00	1.43E+00
DRINKING		1.48E-01	2.76E-01	2.10E-01	4.95E-02	1.00E-01	4.09E-02	2.83E-02
SHORELINE	9.38E-03	8.04E-03	8.04E-03	8.04E-03	8.04E-03	8.04E-03	8.04E-03	8.04E-03
SWIMMING	0.00E+00	8.15E-05	8.15E-05	8.15E-05	8.15E-05	8.15E-05	8.15E-05	8.15E-05
BOATING	0.00E+00	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05
TOTAL	9.38E-03	8.61E+00	1.54E+01	1.15E+01	7.31E-02	5.14E+00	1.71E+00	1.47E+00

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

SHOREWIDTH FACTOR=0.2

• • • ISOTOPE CONTRIBUTION • • •

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 57% CS 134 42%	CS 137 44% CS 134 55%	CS 137 38% CS 134 61%	I 131 92% I 133 5% H 3 2%	CS 137 45% CS 134 54%	CS 137 45% CS 134 54%	CS 137 8% NB 95 79% CS 134 10%
DRINKING		CS 137 57% CS 134 41%	CS 137 41% CS 134 53% H 3 4%	CS 137 36% CS 134 57% H 3 5%	I 131 70% I 133 5% H 3 24%	CS 137 39% CS 134 47% H 3 11%	CS 137 31% CS 134 38% H 3 29%	MO 99 1% CE 141 1% BA 140 4% CS 137 7% ZR 95 4% NB 95 4% CS 134 9% CO 58 13% FE 59 1% CO 60 7% SB 124 1% H 3 42%
SHORELINE	CS 137 57% CS 134 35% CO 60 5%	CS 137 57% CS 134 35% CO 60 5%						
SWIM M f		CS 137 21% ZR 95 1% NB 95 1% CS 134 58% CO 58 9% CO 60 4%						

• • • SELECTED LOCATION • • •

LOCATION IS SITE DISCHG.

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

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.51E+00	1.52E+01	6.32E+00	1.37E-02	3.83E+00	1.92E+00	9.35E-01
DRINKING		1.36E-01	2.49E-01	1.08E-01	3.74E-02	6.98E-02	3.72E-02	1.61E-02
SHORELINE	5.24E-02	4.49E-02	4.49E-02	4.49E-02	4.49E-02	4.49E-02	4.49E-02	4.49E-02
SWIMMING	0.00E+00	4.55E-04	4.55E-04	4.55E-04	4.55E-04	4.55E-04	4.55E-04	4.55E-04
BOATING	0.00E+00	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04
TOTAL	5.24E-02	8.69E+00	1.55E+01	6.47E+00	9.67E-02	3.95E+00	2.00E+00	9.96E-01

	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 58%	CS 137 44%	CS 137 37%	I 131 92%	CS 137 45%	CS 137 46%	CS 137 9%
		CS 134 41%	CS 134 55%	CS 134 62%	I 133 5%	CS 134 54%	CS 134 53%	NB 95 78%
					H 3 1%			CS 134 10%
DRINKING		CS 137 58%	CS 137 42%	CS 137 34%	I 131 75%	CS 137 39%	CS 137 38%	MO 99 1%
		CS 134 41%	CS 134 54%	CS 134 58%	I 133 6%	CS 134 47%	CS 134 43%	CE 141 1%
			H 3 2%	H 3 6%	H 3 17%	H 3 11%	H 3 17%	CS 137 8%
								ZR 95 4%
								NB 95 4%
								CS 134 9%
								CO 58 14%
								MN 54 1%
								FE 59 1%
								CO 60 7%
								SB 124 1%
								H 3 41%
SHORELINE	CS 137 57%	CS 137 57%						
	CS 134 35%	CS 134 35%						
	CO 60 5%	CO 60 5%						
SWIM M f		CS 137 21%						
		ZR 95 1%						
		NB 95 1%						
		CS 134 58%						
		CO 58 9%						
		CO 60 4%						

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

C H I L D D O S E S

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		1.05E+01	1.32E+01	2.42E+00	1.43E-02	1.65E+00	1.50E+00	3.37E-01
DRINKING		3.90E-01	5.01E-01	1.04E-01	8.75E-02	6.98E-02	6.82E-02	2.12E-02
SHORELINE	1.09E-02	9.37E-03	9.37E-03	9.37E-03	9.37E-03	9.37E-03	9.37E-03	9.37E-03
SWIMMING	0.00E+00	9.51E-05	9.51E-05	9.51E-05	9.51E-05	9.51E-05	9.51E-05	9.51E-05
BOATING	0.00E+00	4.75E-05	4.75E-05	4.75E-05	4.75E-05	4.75E-05	4.75E-05	4.75E-05
TOTAL	1.09E-02	1.09E+01	1.37E+01	2.53E+00	1.11E-01	1.73E+00	1.58E+00	3.68E-01

	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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 59%	CS 137 46%	CS 137 37%	I 131 92%	CS 137 45%	CS 137 47%	CS 137 10%
		CS 134 40%	CS 134 53%	CS 134 62%	I 133 6%	CS 134 54%	CS 134 52%	NB 95 76%
					H 3 1%			CS 134 11%
DRINKING		CS 137 59%	CS 137 44%	CS 137 32%	I 131 77%	CS 137 39%	CS 137 38%	MO 99 1%
		CS 134 39%	CS 134 52%	CS 134 53%	I 133 8%	CS 134 47%	CS 134 42%	CS 137 6%
			H 3 2%	H 3 12%	H 3 14%	H 3 11%	H 3 18%	ZR 95 3%
								NB 95 3%
								CS 134 6%
								CO 58 9%
								CO 60 4%
								SB 124 1%
								H 3 59%
SHORELINE	CS 137 57%	CS 137 57%						
	CS 134 35%	CS 134 35%						
	CO 60 5%	CO 60 5%						
SWIM M f		CS 137 21%						
		ZR 95 1%						
		NB 95 1%						
		CS 134 58%						
		CO 58 9%						
		CO 60 4%						

• • • 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		5.23E-01	7.36E-01	6.60E-02	1.29E-01	4.52E-02	9.72E-02	1.77E-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	5.23E-01	7.36E-01	6.60E-02	1.29E-01	4.52E-02	9.72E-02	1.77E-02

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

SHOREWIDTH FACTOR=0.2

• • • ISOTOPE CONTRIBUTION • • •

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING		CS 137 60%	CS 137 47%	CS 137 30%	I 131 81%	CS 137 39%	CS 137 43%	CS 137 5%
		CS 134 39%	CS 134 50%	CS 134 47%	I 133 8%	CS 134 47%	CS 134 43%	ZR 95 2%
			H 3 1%	CO 58 1%	H 3 9%	H 3 11%	H 3 12%	NB 95 2%
				H 3 18%				CS 134 4%
								CO 58 6%
								CO 60 3%
								H 3 70%

* * * 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	3.14E+00	5.63E+00	4.20E+00	3.30E-03	1.87E+00	6.18E-01	4.85E-01
FISH	TEENAGER	9.29E+03	6.63E-01	1.18E+00	4.92E-01	6.07E-04	2.99E-01	1.49E-01	6.65E-02
FISH	CHILD	5.61E+03	1.15E+00	1.44E+00	2.64E-01	8.74E-04	1.80E-01	1.64E-01	3.37E-02
FISH	TOTAL	7.30E+04	4.95E+00	8.25E+00	4.96E+00	4.78E-03	2.35E+00	9.31E-01	5.85E-01

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 57%	CS 137 44%	CS 137 38%	I 131 96%	CS 137 45%	CS 137 45%	CS 137 9%
	CS 134 42%	CS 134 55%	CS 134 61%	H 3 3%	CS 134 54%	CS 134 54%	NB 95 77%
							CS 134 11%
TEENAGER	CS 137 58%	CS 137 44%	CS 137 37%	I 131 97%	CS 137 45%	CS 137 46%	CS 137 10%
	CS 134 41%	CS 134 55%	CS 134 62%	H 3 2%	CS 134 54%	CS 134 53%	NB 95 76%
							CS 134 11%
CHILD	CS 137 59%	CS 137 46%	CS 137 37%	I 131 97%	CS 137 45%	CS 137 47%	CS 137 12%
	CS 134 40%	CS 134 53%	CS 134 62%	H 3 1%	CS 134 54%	CS 134 52%	NB 95 73%
							CS 134 12%

• • • 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	3.55E-01	6.37E-01	4.75E-01	2.92E-04	2.11E-01	6.99E-02	5.25E-02
FISH	TEENAGER	6.34E+05	7.50E-02	1.34E-01	5.56E-02	5.35E-05	3.38E-02	1.69E-02	7.19E-03
FISH	CHILD	3.83E+05	1.30E-01	1.63E-01	2.98E-02	7.68E-05	2.04E-02	1.85E-02	3.65E-03
FISH	TOTAL	4.98E+06	5.60E-01	9.33E-01	5.60E-01	4.22E-04	2.65E-01	1.05E-01	6.33E-02

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

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

• • • ISOTOPE CONTRIBUTION • • •

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	CS 137 58%	CS 137 44%	CS 137 38%	I 131 95%	CS 137 45%	CS 137 45%	CS 137 10%
	CS 134 41%	CS 134 55%	CS 134 61%	H 3 4%	CS 134 54%	CS 134 54%	NB 95 76%
							CS 134 11%
TEENAGER	CS 137 58%	CS 137 44%	CS 137 37%	I 131 96%	CS 137 45%	CS 137 46%	CS 137 11%
	CS 134 41%	CS 134 55%	CS 134 62%	H 3 3%	CS 134 54%	CS 134 53%	NB 95 75%
							CS 134 11%
CHILD	CS 137 60%	CS 137 46%	CS 137 37%	I 131 97%	CS 137 45%	CS 137 47%	CS 137 12%
	CS 134 39%	CS 134 53%	CS 134 62%	H 3 2%	CS 134 54%	CS 134 52%	NB 95 72%
							CS 134 12%

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	3.14E+00	5.62E+00	4.19E+00	2.57E-03	1.86E+00	6.17E-01	4.63E-01
FISH	TEENAGER	9.29E+03	6.62E-01	1.18E+00	4.91E-01	4.72E-04	2.98E-01	1.49E-01	6.35E-02
FISH	CHILD	5.61E+03	1.15E+00	1.44E+00	2.63E-01	6.78E-04	1.80E-01	1.64E-01	3.22E-02
FISH	TOTAL	7.30E+04	4.94E+00	8.24E+00	4.95E+00	3.72E-03	2.34E+00	9.30E-01	5.59E-01

• • • 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	8.48E-01	1.59E+00	1.20E+00	2.64E-01	5.74E-01	2.35E-01	1.61E-01
DRINKING	TEENAGER	1.93E+07	1.67E-01	3.06E-01	1.32E-01	4.22E-02	8.55E-02	4.56E-02	1.96E-02
DRINKING	CHILD	2.75E+07	6.82E-01	8.76E-01	1.82E-01	1.40E-01	1.22E-01	1.19E-01	3.69E-02
DRINKING	TOTAL	1.76E+08	1.70E+00	2.77E+00	1.52E+00	4.46E-01	7.81E-01	4.00E-01	2.18E-01

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

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

• • • ISOTOPE CONTRIBUTION • • •

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT							
	CS 137 57%	CS 137 42%	CS 137 36%	I 131 70%	CS 137 39%	CS 137 31%	CE 141 1%
	CS 134 41%	CS 134 53%	CS 134 57%	I 133 3%	CS 134 47%	CS 134 38%	BA 140 4%
		H 3 4%	H 3 5%	H 3 26%	H 3 11%	H 3 29%	CS 137 7%
							ZR 95 4%
TEENAGER							
	CS 137 58%	CS 137 42%	CS 137 34%	I 131 76%	CS 137 39%	CS 137 38%	MO 99 1%
	CS 134 41%	CS 134 54%	CS 134 58%	I 133 3%	CS 134 47%	CS 134 43%	CE 141 1%
		H 3 2%	H 3 6%	H 3 19%	H 3 11%	H 3 17%	CS 137 8%
							ZR 95 4%
CHILD							
	CS 137 59%	CS 137 44%	CS 137 32%	I 131 79%	CS 137 39%	CS 137 38%	CS 137 6%
	CS 134 39%	CS 134 52%	CS 134 53%	I 133 4%	CS 134 47%	CS 134 42%	ZR 95 3%
		H 3 2%	H 3 12%	H 3 15%	H 3 11%	H 3 18%	NB 95 2%
							CS 134 6%

			DOSE (MAN-REM)						
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	2.12E+07	1.37E-01	2.57E-01	1.95E-01	4.27E-02	9.28E-02	3.81E-02	2.61E-02
DRINKING	TEENAGER	3.17E+06	2.70E-02	4.95E-02	2.14E-02	6.82E-03	1.38E-02	7.38E-03	3.17E-03
DRINKING	CHILD	4.52E+06	1.10E-01	1.42E-01	2.94E-02	2.26E-02	1.98E-02	1.93E-02	5.97E-03
DRINKING	TOTAL	2.89E+07	2.75E-01	4.48E-01	2.46E-01	7.21E-02	1.26E-01	6.47E-02	3.52E-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							
	CS 137 57%	CS 137 42%	CS 137 36%	I 131 70%	CS 137 39%	CS 137 31%	CE 141 1%
	CS 134 41%	CS 134 53%	CS 134 57%	I 133 3%	CS 134 47%	CS 134 38%	BA 140 4%
		H 3 4%	H 3 5%	H 3 26%	H 3 11%	H 3 29%	CS 137 7%
							ZR 95 4%

TEENAGER	CS	137	58%	CS	137	42%	CS	137	34%	I	131	76%	CS	137	39%	CS	137	38%	MO	99	1%
	CS	134	41%	CS	134	54%	CS	134	58%	I	133	3%	CS	134	47%	CS	134	43%	CE	141	1%
				H	3	2%	H	3	6%	H	3	19%	H	3	11%	H	3	17%	CS	137	8%
																			ZR	95	4%
CHILD	CS	137	59%	CS	137	44%	CS	137	32%	I	131	79%	CS	137	39%	CS	137	38%	CS	137	6%
	CS	134	39%	CS	134	52%	CS	134	53%	I	133	4%	CS	134	47%	CS	134	42%	ZR	95	3%
				H	3	2%	H	3	12%	H	3	15%	H	3	11%	H	3	18%	NB	95	2%
																			CS	134	6%

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

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	CUMUL TOTAL	2.05E+08	1.97E+00	3.22E+00	1.76E+00	5.18E-01	9.08E-01	4.65E-01	2.53E-01

HYDROSPHERE TRITIUM DOSE

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
WATER	TOTAL	2.20E+00	8.06E-08	8.06E-08	8.06E-08	8.06E-08	8.06E-08	8.06E-08	8.06E-08

• • • RECREATION POPULATION DOSES • • •

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
SHORELINE	TOTAL POPUL	4.10E+07	4.39E+00	3.76E+00	3.76E+00

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	57%	CS 137	57%
	CS 134	35%	CS 134	35%
	CO 60	5%	CO 60	5%

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
SWIMMING	TOTAL POPUL	4.10E+07	0.00E+00	3.81E-02	3.81E-02

LOCATION- DOWN STREAM

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

• • • ISOTOPE CONTRIBUTION • • •

AGE GROUP	SKIN		TOTAL BODY	
ADULT	CS 137	21%		
	ZR 95	1%		
	NB 95	1%		
	CS 134	58%		
	CO 58	9%		
	CO 60	4%		

			DOSE(MAN-REM)		
PATHWAY	AGE GROUP	USAGE	SKIN	TOTAL BODY	THYROID
BOATING	TOTAL POPUL	4.10E+07	0.00E+00	1.91E-02	1.91E-02

LOCATION- DOWN STREAM

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

* * * DOSE TO BIOTA * * *

MRADS PER .5YR

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

	INTERNAL	EXTERNAL	TOTAL
FISH	3.25E+01	2.94E+01	6.19E+01
INVERTEBRATE	4.13E+00	5.87E+01	6.28E+01
ALGAE	9.07E+00	5.95E-02	9.13E+00
MUSKRAT	1.70E+02	1.96E+01	1.90E+02
RACCOON	7.22E+00	1.47E+01	2.19E+01
HERON	1.04E+03	1.96E+01	1.06E+03
DUCK	1.47E+02	2.94E+01	1.76E+02

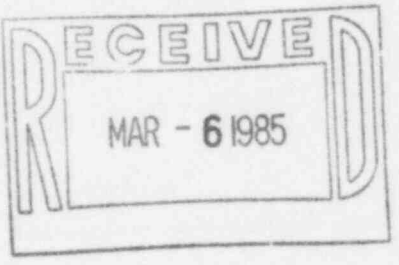
* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	BODY	
FISH	CS 137	44%
	NB 95	13%
	CS 134	40%
INVERTEBRATE	CE 141	1%
	BA 140	1%
	CS 137	17%
	CS 134	16%
	CO 58	2%
	MN 54	51%
	FE 59	3%
	ZN 65	1%
	CO 60	1%
ALGAE	MO 99	4%
	CE 141	2%
	BA 140	1%
	CS 137	40%
	ZR 95	2%
	NB 95	1%
	CS 134	36%
	CO 58	1%
	MN 54	2%
	ZN 65	1%
	LA 140	1%
MUSKRAT	CS 137	46%
	CS 134	52%
RACCOON	CS 137	40%
	CS 134	50%
	MN 54	5%
	ZN 65	1%
HERON	CS 137	44%
	CS 134	55%
DUCK	CS 137	49%
	CS 134	49%

DMB

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

March 1, 1985
LIC-85-079



U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

Reference: Docket No. 50-285

Gentlemen:

Semi-Annual and Annual Reports

In accordance with 10 CFR Section 50.36a and the Fort Calhoun Station Unit No. 1 Technical Specifications, please find enclosed one (1) copy of a report that summarizes effluent releases and environmental operations for July 1, 1984 to December 31, 1984, and occupational personnel radiation exposures for January 1, 1984 to December 31, 1984.

Sincerely,

R. L. Andrews
Division Manager
Nuclear Production

RLA/dao

Enclosure

cc: Director, Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Director, Nuclear Regulatory Research
U. S. Nuclear Regulatory Commission
Washington, DC 20555

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