Omaha Public Power District
444 South 16th Street Mall
Omaha, Nebraska 68102-2247
402/636-2000

August 28, 1992
LIC-92-292R

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, DC 20555

Reference: Docket No. 50-285

Gentlemen:

SUBJECT: Semi-Annual Radioactive Effluent Release Report

Enclosed is the Fort Calhoun Station Unit No. 1 Semi-Annual Radioactive Effluent Release Report for the period January 1, 1992 through June 30, 1992. This report is submitted pursuant to Technical Specification 5.9.4.a and 10 CFR 50.36a.

If you should have any questions, please contact me.

Sincerely,

for W. G. Gates
Division Manager
Nuclear Operations

WGG/sel

Enclosure

c: LeBoeuf, Lamb, Leiby & MacRae
S. D. Bloom, NRC Acting Project Engineer
J. L. Milhoan, NRC Regional Administrator, Region IV
R. P. Mullikin, NRC Senior Resident Inspector

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PDR ADOCK 05000285
R PDR

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Memorandum

Date: August 25, 1992

PRC Reviewed
PRC Mtg. Minutes
AUG 27 1992

RS-CE-92-081

From: T. L. Patterson

To: Distribution

SUBJECT: Semi-Annual Report for Technical Specification Section 5.9.4.a
January 1, 1992 through June 30, 1992

Attached is a copy of the Semi-Annual Report for the period January 1, 1992 through June 30, 1992.

During the reporting period eight new isotopes were identified in liquid effluent. Referencing Memorandum FC-C-177-92, these isotopes are identified as Bromine-82, Krypton-88, Rhodium-103m, Tin-113, Antimony-122, Iodine-132, Tellurium-132, and Thorium-234. In secular equilibrium with Thorium-234, Uranium-238 is also assumed to be present at the same activity level as Thorium-234. One new isotope, Iodine-132 (cartridge), was identified in gaseous effluent.

All isotopic activity is included in the dose calculations as reported in the liquid and gaseous effluent release summaries except for the following:

1. Uranium-238/Thorium-234 which was identified in steam generator release 92024 (1.940E-07 μCi/ml) and steam generator release 92036 (1.900E-07 μCi/ml) was not included. An isotopic review of the steam generator releases discussed in Memorandum RS-CE-92-077 has led to the decision to omit Uranium-238/Thorium-234 from reporting in the steam generator effluent during this semiannual period.

2. Selenium-75, Rhodium-103m, Tin-113, Tin-117m, and Antimony-122 appeared in liquid effluent release summaries this time but are not included in the dose calculations. Dose conversion factors for these isotopes do not appear in NUREG-0172 (November 1977) or Regulatory Guide 1.109, Rev.1. Factors for these isotopes have not been developed. Attempts are being made to collect the information necessary to derive these constants. Liquid doses attributable to these isotopes are expected to be small and will be updated in a report supplement.

Allan W. Richard

for T. L. Patterson
Manager - Ft. Calhoun Station

TLP/FFF:rkj

Attachment

Distribution

S. K. Gambhir	A. W. Richard	F. F. Franco	J. M. Glantz
R. L. Jaworski	J. W. Chase	A. D. Bilau	
W. G. Gates	D. L. Lovett	J. G. Krist	
J. W. Tills	F. K. Smith	M. A. Wilson	

INTRODUCTION

This report is submitted in accordance with Sections 5.9.1.b and 5.9.4.a of the Technical Specifications of Fort Calhoun Station Unit No. 1, Facility Operating License DPR-40.

This document contains the Semi-Annual Effluent Release Report for Technical Specification 5.9.4.a for the period January 1, 1992 through June 30, 1992. The Effluent Report is presented in the format outlined in Regulatory Guide 1.21, Revision 1.

In addition, this report provides the results of quarterly dose calculations performed in accordance with Technical Specification Sections 2.9.1(1)b and 2.9.1(2)b. Results are presented by quarter for the period January 1, 1992 through June 30, 1992.

Further, description of any changes made during the preceding six months to the Offsite Dose Calculation Manual and/or the Process Control Program for the Fort Calhoun Station are presented.

Alan W. Richard

for T. L. Patterson
Manager - Fort Calhoun Station

TABLE OF CONTENTS

SECTION I

QUARTERLY DOSES FROM EFFLUENTS

Technical Specifications 2.9.1(1)b and 2.9.1(2)b

January 1, 1992 - June 30, 1992

Quarterly Dose Calculation Results

January 1, 1992 through June 30, 1992

With the implementation of the Fort Calhoun Station Radiological Effluent Technical Specifications (RETS) on October 1, 1985, radiation doses in the unrestricted area from liquid and gaseous effluents must be calculated on a quarterly basis in accordance with Sections 2.9.1(1)b and 2.9.1(2)b. These calculations are performed to ensure the annual dose limits delineated in Appendix I of 10 CFR Part 50 and implemented by the RETS are not exceeded. If the results of the quarterly calculations exceed fifty percent (50%) of the annual limits of Appendix I, actions are taken to reduce effluents so that resultant doses do not exceed the annual limits during the remainder of the year and a special report is submitted to the NRC.

This section presents the results of the quarterly dose calculations performed since January 1, 1992. Details are shown in Tables on Pages I-3 through I-4 as to the types, sources and resultant doses from the effluents, annual limits and a comparison to the annual limits.

As can be seen by review of the quarterly calculational results, OPPD is in compliance with the referenced Technical Specifications. The quarterly totals are well below the 50% annual dose acceptance criteria. In addition, the summation of the quarterly totals shows OPPD to be less than the annual limits and in compliance with the regulations and Technical Specifications.

QUARTERLY CUMULATIVE DOSE CONTRIBUTIONS FROM RADIOACTIVE EFFLUENTS

FIRST QUARTER, 1992

I. LIQUID EFFLUENTS:	TOTAL BODY DOSE (mREM)	CRITICAL ORGAN DOSE (mREM)
Monitor/Hotel Tank:	5.60E-02	7.65E-02
Steam Generator:	1.50E-05	2.12E-05
Totals:	5.60E-02	7.66E-02
T.S. 2.9.1 A. Annual Objective:	3.00E+00	1.00E+01
Percent of TS Annual Objective:		
This Quarter:	1.87%	0.77%
Year to Date:	1.87%	0.77%

II. GASEOUS EFFLUENTS:	TOTAL BODY GAMMA DOSE (mREM)	TOTAL BODY BETA DOSE (mREM)
A. Noble Gas Air Dose:	7.75E-03	2.28E-02
T.S. 2.9.1 B. Annual Objective:	1.00E+01	2.00E+01
Percent of TS Annual Objective:		
This Quarter:	0.08%	0.11%
Year to Date:	0.08%	0.11%

B. I-131, H-3, and Particulates with Half-Lives > 8 Days	TOTAL BODY DOSE (mREM)	CRITICAL ORGAN DOSE (Thyroid, mREM)
*Inhalation:	5.54E-05	4.05E-04
*Ground and Food:	3.35E-04	7.44E-02
Totals:	3.91E-04	7.48E-02
T.S. 2.9.1.B. Annual Objective:	1.50E+01	1.50E+01
Percent of TS Annual Objective:		
This Quarter:	0.00%	0.50%
Year to Date:	0.00%	0.50%

* Using Highest of Infant or Child Dose Factors

QUARTERLY CUMULATIVE DOSE CONTRIBUTIONS FROM RADIOACTIVE EFFLUENTS

SECOND QUARTER, 1992

I. LIQUID EFFLUENTS:	TOTAL BODY DOSE (mREM)	CRITICAL ORGAN DOSE (mREM)
Monitor/Hotel Tank:	6.81E-02	9.29E-02
Steam Generator:	1.60E-04	2.42E-04
Totals:	6.82E-02	9.32E-02
T.S. 2.9.1.A. Annual Objective:	3.00E+00	1.00E+01
Percent of TS Annual Objective:		
This Quarter:	2.27%	0.93%
Year to Date:	4.14%	1.70%

II. GASEOUS EFFLUENTS:	TOTAL BODY GAMMA DOSE (mREM)	TOTAL BODY BETA DOSE (mREM)
A. Noble Gas Air Dose:	3.95E-04	3.09E-04
T.S. 2.9.1.B. Annual Objective:	1.00E+01	2.00E+01
Percent of TS Annual Objective:		
This Quarter:	0.00%	0.00%
Year to Date:	0.08%	0.11%

B. I-131, H-3, and Particulates with Half-Lives > 8 Days	TOTAL BODY DOSE (mREM)	CRITICAL ORGAN DOSE (Thyroid, mREM)
*Inhalation:	3.06E-05	3.84E-05
*Ground and Food:	1.47E-05	1.65E-03
Totals:	4.53E-05	1.69E-03
T.S. 2.9.1.B. Annual Objective:	1.50E+01	1.50E+01
Percent of TS Annual Objective:		
This Quarter:	0.00%	0.01%
Year to Date:	0.00%	0.51%

* Highest of Infant or Child Dose Factors.

SECTION II

ANNUAL OCCUPATIONAL EXPOSURE REPORT

Technical Specification 5.9.1.b

Not Applicable to this Report

SECTION III

RADIOACTIVE EFFLUENT RELEASES - GASEOUS EFFLUENTS

Technical Specification 5.9.4.a

Table 1A Gaseous Effluents - Summation of All Releases

Table 1B Not Applicable

Table 1C Gaseous Effluents - Summation of All Releases

January 1, 1992 - June 30, 1992

Radioactive Effluent Releases - First and Second Quarters

GASEOUS EFFLUENTS

Radioactive gaseous releases for the reporting period totaled 1.37E+02 Curies of inert gases. Over the first and second quarters of the reporting period, the gross gaseous activity release rates were 1.73E+01 μCi/sec and 1.63E-01 μCi/Sec, respectively.

Radioactive halogens and particulates with half-lives greater than eight days released during the reporting period totaled 5.55E-04 Curies. Over the first and second quarters of the reporting period, the halogen release rates were 3.52E-05 μCi/sec and 7.80E-07 μCi/sec, respectively. The release rate for particulates with half lives greater than 8 days during the first and second quarters were 3.45E-05 μCi/sec and 6.60E-08 μCi/sec, respectively.

Total radioactive tritium released during the reporting period totaled 3.80E+00 Curies. Gross alpha radioactivity released during the reporting period totaled 3.70E-06 Curies.

TABLE 1A

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 92

		1 QUARTER					2 QUARTER				
NUCLIDES IN CURIES		CONT	DECAY	RM060	RM041	TOTAL	CONT	DECAY	RM060	RM041	TOTAL
. FISSION&ACTIVATION GASES											
TOTAL RELEASE	CI	1.34E+02	1.46E+00	0.00E+00	0.00E+00	1.36E+02	1.25E+00	3.09E-02	0.00E+00	0.00E+00	1.28E+00
AVG RELEASE RATE FOR PERIOD	UCI/SEC	1.71E+01	1.85E-01	0.00E+00	0.00E+00	1.73E+01	1.59E-01	3.93E-03	0.00E+00	0.00E+00	1.63E-01
PERCENT OF LIMIT TECH SPEC = NONE	%										
. IODINES											
TOTAL RELEASE IODINE - 131	CI	0.00E+00	0.00E+00	2.67E-04	1.00E-05	2.77E-04	0.00E+00	0.00E+00	6.13E-06	0.00E+00	6.13E-06
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	3.39E-05	1.27E-06	3.52E-05	0.00E+00	0.00E+00	7.80E-07	0.00E+00	7.80E-07
PERCENT OF LIMIT TECH SPEC = NONE	%										
. PARTICULATES											
PARTICULATES WITH HALF LIVES .GT. 8 DAYS	CI	0.00E+00	0.00E+00	4.33E-06	2.67E-04	2.71E-04	0.00E+00	0.00E+00	4.99E-07	2.01E-08	5.19E-07
AVG RELEASE RATE FOR PERIOD	UCI/SEC	0.00E+00	0.00E+00	5.51E-07	3.40E-05	3.45E-05	0.00E+00	0.00E+00	6.35E-08	2.55E-09	6.60E-08
PERCENT OF LIMIT TECH SPEC = NONE	%										
GROSS ALPHA RADIOACTIVITY	CI	0.00E+00	0.00E+00	2.09E-06	6.42E-08	2.15E-06	0.00E+00	0.00E+00	1.42E-06	1.30E-07	1.55E-06
. TRITIUM											
TOTAL RELEASE	CI	2.43E+00	0.00E+00	0.00E+00	0.00E+00	2.43E+00	1.37E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+00
AVG RELEASE RATE FOR PERIOD	UCI/SEC	3.09E-01	0.00E+00	0.00E+00	0.00E+00	3.09E-01	1.74E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-01
PERCENT OF LIMIT TECH SPEC = NONE	%										

TABLE 1C

EFFLUENT AND WASTE DISPOSAL REPORT

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 92

	1 QUARTER					2 QUARTER				
NUCLIDES IN CURIES	CONT	DECAY	RM060	RM041	TOTAL	CONT	DECAY	RM060	RM041	TOTAL
FISSION GASES										
XENON-133	1.30E+02	1.27E+00	0.00E+00	0.00E+00	1.31E+02	9.32E-01	2.32E-04	0.00E+00	0.00E+00	9.33E-01
KRYPTON-85M	1.24E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-02	2.90E-03	0.00E+00	0.00E+00	0.00E+00	2.90E-03
XENON-131M	1.97E+00	6.55E-02	0.00E+00	0.00E+00	2.03E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	2.20E-04
KRYPTON-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XENON-133M	1.03E+00	1.54E-04	0.00E+00	0.00E+00	1.03E+00	1.13E-02	0.00E+00	0.00E+00	0.00E+00	1.13E-02
XENON-135	5.23E-01	0.00E+00	0.00E+00	0.00E+00	5.23E-01	8.29E-02	0.00E+00	0.00E+00	0.00E+00	8.29E-02
KRYPTON-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XENON-138	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
KRYPTON-85	7.70E-01	1.24E-01	0.00E+00	0.00E+00	8.94E-01	0.00E+00	3.05E-02	0.00E+00	0.00E+00	3.05E-02
XENON-135M	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ARGON-41	1.90E-01	0.00E+00	0.00E+00	0.00E+00	1.90E-01	2.19E-01	0.00E+00	0.00E+00	0.00E+00	2.19E-01
TOTAL FOR PERIOD	1.34E+02	1.40E+00	0.00E+00	0.00E+00	1.36E+02	1.25E+00	3.09E-02	0.00E+00	0.00E+00	1.28E+00
IODINES										
IODINE-131 CTD.	0.00E+00	0.00E+00	2.67E-04	1.00E-05	2.77E-04	0.00E+00	0.00E+00	6.13E-06	0.00E+00	6.13E-06
IODINE-133 CTD.	0.00E+00	0.00E+00	0.00E+00	1.91E-06	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IODINE-135 CTD.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IODINE-132 CTD.	0.00E+00	0.00E+00	2.21E-05	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	0.00E+00	0.00E+00	2.89E-04	1.19E-05	3.01E-04	0.00E+00	0.00E+00	6.13E-06	0.00E+00	6.13E-06
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	0.00E+00	0.00E+00
STRONTIUM-90	0.00E+00	0.00E+00	4.55E-07	8.74E-07	1.33E-06	0.00E+00	0.00E+00	2.85E-08	2.01E-08	4.86E-08
CARBON-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IRON-55	0.00E+00	0.00E+00	3.88E-06	2.66E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IODINE-129	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PHOSPORUS-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	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	0.00E+00	0.00E+00
BARIUM-140	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CESIUM-137	0.00E+00	0.00E+00	0.00E+00	4.74E-07	4.74E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	4.71E-07
CESIUM-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	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	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	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	0.00E+00	0.00E+00
LANTHANUM-140	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CERIUM-144	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CERIUM-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MOLYBDENUM-99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IRON-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZINC-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	0.00E+00	0.00E+00	4.33E-06	2.67E-04	2.71E-04	0.00E+00	0.00E+00	4.99E-07	2.01E-08	5.19E-07
TRITIUM & GROSS ALPHA										
TRITIUM	2.43E+00	0.00E+00	0.00E+00	0.00E+00	2.43E+00	1.37E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+00
GROSS ALPHA	0.00E+00	0.00E+00	2.09E-06	6.42E-08	2.15E-06	0.00E+00	0.00E+00	1.42E-06	1.30E-07	1.55E-06

Note: Lower Limit of Detection (LLD) is reported as "0.00E+00".
Yttrium-90 activity is equal to Strontium-90 (SR-90/Y-90 secular equilibrium) for the first and second quarters. Yttrium-90 quantities are not shown on this table, but are included in GASPAR Dose Calculations.

SECTION IV

RADIOACTIVE EFFLUENT RELEASES - LIQUID EFFLUENTS

Technical Specification (5.9.4.a)

Table 2A Liquid Effluents - Summation of All Releases

Table 2B Liquid Effluents - Summation of All Releases

January 1, 1992 - June 30, 1992

Radioactive Effluent Releases - First and Second Quarters

LIQUID EFFLUENTS

During the reporting period, a total of 4.19E-01 Curies of radioactive liquid materials less tritium, dissolved noble gases, and alpha were released to the Missouri River at an average concentration of 2.03E-09 μCi/ml. This represents 2.0% of the limits specified in Appendix B to 10 CFR Part 20 (1.0E-07 μCi/ml) for unrestricted areas. 3.96E+01 Curies of tritium were discharged at an average diluted concentration 1.91E-07 μCi/ml or 6.34E-03% of MPC (3.0E-03 μCi/ml). Gross alpha radioactivity released during the reporting period totaled 4.07E-03 Curies.

Dilution water during the period amounted to 2.23E+11 liters, while radioactive liquid waste volume was 4.43E+07 liters.

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 92

		1 QUARTER	2 QUARTER
A. FISSION&ACTIVATION PRODUCTS			
TOTAL RELEASE (NO TRITIUM,GAS,ALPHA)	CI	2.26E-01	1.93E-01
AVG DILUTED CONCENTRATION	UCI/ML	2.66E-09	1.40E-09
PERCENT OF LIMIT 10 CFR 20, APP. B = 1.0E-07	%	2.66E+00	1.40E+00
B. TRITIUM			
TOTAL RELEASE	CI	2.17E+01	1.78E+01
AVG DILUTED CONCENTRATION	UCI/ML	2.56E-07	1.29E-07
PERCENT OF LIMIT 10 CFR 20, APP. B = 3.0E-03	%	8.52E-03	4.31E-03
C. DISSOLVED&ENTRAINED GASES			
TOTAL RELEASE	CI	2.11E-01	1.07E-02
AVG DILUTED CONCENTRATION	UCI/ML	2.48E-09	7.76E-11
PERCENT OF LIMIT TECH SPEC = 2.0E-04	UCI/ML %	1.24E-03	3.88E-05
D. GROSS ALPHA RADIOACTIVITY			
TOTAL RELEASE	CI	3.94E-04	3.71E-03
E. VOLUME OF WASTE RELEASE			
PRIOR TO DIL.	LITERS	1.86E+07	2.57E+07
F. VOLUME OF DILUTION WATER			
THIS PERIOD	LITERS	8.50E+10	1.38E+11

EFFLUENT AND WASTE DISPOSAL REPORT

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

SEMIANNUAL FOR JAN THRU JUN 92

	1 QUARTER		2 QUARTER	
NUCLIDES IN CURIES	CONT	BATCH	CONT	BATCH
STRONTIUM-89	2.24E-05	0.00E+00	5.11E-05	0.00E+00
STRONTIUM-90	0.00E+00	1.06E-05	0.00E+00	1.31E-04
CARBON-14	0.00E+00	3.89E-02	0.00E+00	1.56E-03
IRON-55	0.00E+00	8.02E-02	0.00E+00	5.71E-02
IODINE-129	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NICKEL-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PHOSPHORUS-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COBALT-57	0.00E+00	2.71E-05	0.00E+00	2.32E-04
MOLYBDENUM-99	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TECHNETIUM-99M	0.00E+00	1.70E-04	0.00E+00	8.82E-06
CERIUM-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TIN-117M	0.00E+00	3.03E-06	0.00E+00	0.00E+00
CHROMIUM-51	0.00E+00	4.23E-03	0.00E+00	7.73E-04
IODINE-131	0.00E+00	1.73E-02	0.00E+00	2.99E-03
IODINE-133	0.00E+00	2.03E-05	0.00E+00	2.03E-04
BARIUM-140	0.00E+00	8.51E-04	0.00E+00	0.00E+00
RUTHENIUM-103	0.00E+00	1.16E-04	0.00E+00	4.94E-05
CESIUM-137	1.98E-06	4.91E-03	4.04E-05	4.73E-03
ZIRCONIUM-95	0.00E+00	0.00E+00	0.00E+00	7.11E-05
NIOBIUM-95	0.00E+00	2.93E-05	0.00E+00	1.28E-04
CESIUM-134	0.00E+00	3.25E-03	0.00E+00	2.87E-03
COBALT-58	0.00E+00	4.39E-02	0.00E+00	7.98E-02
MANGANESE-54	0.00E+00	3.27E-03	0.00E+00	4.15E-03
CESIUM-136	0.00E+00	3.12E-04	0.00E+00	0.00E+00
IRON-59	0.00E+00	3.15E-04	0.00E+00	8.22E-05
ZINC-65	0.00E+00	3.85E-06	0.00E+00	2.54E-06
COBALT-60	2.91E-05	1.66E-03	2.18E-04	3.98E-03
LANTHANUM-140	0.00E+00	7.39E-[illegible]	0.00E+00	8.45E-07
ANTIMONY-124	0.00E+00	2.90E-03	0.00E+00	4.06E-03
CERIUM-144	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ANTIMONY-125	0.00E+00	1.29E-02	4.18E-05	2.77E-02
SILVER-110M	0.00E+00	5.75E-04	0.00E+00	1.39E-03
BROMINE-82	0.00E+00	2.55E-05	0.00E+00	0.00E+00
KRYPTON-88	0.00E+00	0.00E+00	0.00E+00	3.05E-05
RHODIUM-103M	0.00E+00	1.14E-04	0.00E+00	4.94E-05
TIN-113	0.00E+00	6.71E-05	0.00E+00	3.80E-05
ANTIMONY-122	0.00E+00	1.94E-04	0.00E+00	0.00E+00
IODINE-132	0.00E+00	4.68E-04	0.00E+00	0.00E+00
TELLURIUM-132	0.00E+00	1.40E-03	0.00E+00	1.34E-06
THORIUM-234	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RUTHENIUM-106	0.00E+00	1.91E-05	0.00E+00	4.07E-05
SELENIUM-75	0.00E+00	1.38E-04	0.00E+00	4.82E-04
ANTIMONY-126	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	5.35E-05	2.26E-01	3.51E-04	1.93E-01
DISSOLVED GASES				
ENTRAINED GASES				
XENON-133	0.00E+00	2.02E-01	0.00E+00	1.07E-02
XENON-135	0.00E+00	2.83E-05	0.00E+00	1.87E-05
XENON-131M	0.00E+00	7.51E-03	0.00E+00	0.00E+00
XENON-133M	0.00E+00	8.14E-04	0.00E+00	0.00E+00
TOTAL FOR PERIOD	0.00E+00	2.11E-01	0.00E+00	1.07E-02
OTHER, ALPHA & TRITIUM				
ALPHA	3.94E-04	0.00E+00	0.00E+00	3.71E-03

Yttrium-90 activity is equal to Strontium-5 (Sr-90/Y-90 secular equilibrium) for the first and second quarters. Yttrium-90 quantities are not shown on this table, but are included in LADTAP Dose Calculations.

Note: Lower Limit of Detection (LLD) is reported as "0.00E+00".

TRITIUM	3.56E-01	2.14E+01	0.00E+00	1.78E+01
GROSS BETA/GAMMA	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL FOR PERIOD	3.57E-01	2.14E+01	0.00E+00	1.78E+01
AVG. CONC. IN UCI/ML				
ALPHA	4.06E-10	0.00E+00	0.00E+00	1.31E-09
TRITIUM	3.67E-07	5.65E-06	0.00E+00	6.10E-06

SECTION V

RADIOACTIVE EFFLUENT RELEASES - SOLID RADIOACTIVE WASTE

Technical Specification (5.9.4.a)

January 1, 1992 - June 30, 1992

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

January 1, 1992 through June 30, 1992

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.	Jan.	0	0	0	N/A
	Feb.	0	0	0	N/A
	Mar.	0	0	0	N/A
	Apr.	0	0	0	N/A
	May	0	0	0	N/A
	Jun.	0	0	0	N/A
Six-month Total (Type A)		0	0	0	N/A
b. Dry compressable, contaminated equipment, etc.	Jan.	0	0	0.000	N/A
	Feb.	0	0	0.000	N/A
	Mar.	1	0.05	0.011	20
	Apr.	6	5.53	0.129	20
	May	8	4.14	0.384	20
	Jun.	10	11.01	0.264	20
Six-month Total (Type B)		25	20.73	0.788	N/A
c. Irradiated components and other categories	Jan.	0	0	0	N/A
	Feb.	0	0	0	N/A
	Mar.	0	0	0	N/A
	Apr.	0	0	0	N/A
	May	0	0	0	N/A
	Jun.	0	0	0	N/A
Six-month Total (Type C)		0	0	0	N/A
d. Other	Jan.	0	0	0	N/A
	Feb.	0	0	0	N/A
	Mar.	0	0	0	N/A
	Apr.	0	0	0	N/A
	May	0	0	0	N/A
	Jun.	0	0	0	N/A
Six-month Total (Type D)		0	0	0	N/A

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

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

1. Percentage of Curies from Represented Isotopes

	Isotope	Percent	Curies	
a.	N/A	N/A	N/A	
b.	Cs-137	38.4	0.303	All other nuclides constitute less than 1%.
	Cs-134	22.8	0.180	
	Co-60	13.2	0.104	
	Co-58	13.0	0.102	
	Tc-99	7.9	0.062	
	Sb-125	3.0	0.024	
c.	N/A	N/A	N/A	
d.	N/A	N/A	N/A	

C. SOLID WASTE (DISPOSITION)

Number of Shipments	Transportation Mode	Destination
2	Closed Sole Use Vehicle	Barnwell, South Carolina
23	Closed Sole Use Vehicle	Beatty, Nevada

D. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

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

E. ODCM and PCP Revisions for the Period January 1, 1992 - June 30, 1992

In accordance with Technical Specification 5.9.4.a, the radioactive effluent release report shall include any revisions to the Offsite Dose Calculation Manual (ODCM) and the Process Control Program (PCP).

No revisions were made to the Offsite Dose Calculation Manual (ODCM).

No revisions were made to the Process Control Program (PCP).

SECTION VI

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

(Regulatory Guide 1.21)

January 1, 1992 - June 30, 1992

VI. 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.

B. Meteorological Data Recovery

Data recovery from the on-site weather tower for the period January through June 1992 was greater than the previous six months. The regulatory recovery guide was met with a cumulative recovery rate of 84.0% from the meteorological tower with the remaining 16.0% provided by the National Weather Service. The following table is a summary of the parameters and their respective recovery rates for the period:

Parameter	Actual Recovery Rate	Recovered Parameter Hrs/ Total Parameter Hrs
WD110	0.8043	3513/4368
WD45	0.8503	3714/4368
WD10	0.8496	3711/4368
WS110	0.8290	3621/4368
WS45	0.8324	3636/4368
WS10	0.8329	3638/4368
Delta-T 100M	0.8590	3752/4368
T10M	0.8642	3775/4368

Total Possible Hours: 34,944

Actual Tower Recovery: 29,360

Recovery Rate: 0.8402

B. Meteorological Data Recovery (Continued)

Hourly meteorological data used to replace missing tower data for the months of January 1992 through June 1992 originated from the North Omaha National Weather Service and NOAA Daily Synoptic Weather Maps. This raw data was used in formulating synthetic hourly data in accordance with monthly correction factors and a proceduralized Pasquill-Turner transformation which utilizes solar angle, time of day, cloud cover, and wind speed to determine the Pasquill Class.

The tabulations of the Weather Tower Data for January 1, 1992 through June 30, 1992 look appropriate for the season as indicated. The Pasquill Classes observed for the six month period are detailed below. The first three months of the first half of 1992 (January-March) were:

Pasquill Class	A	B	C	D	E	F	G	Total
% Obs.	0.1	3.0	4.4	57.9	21.0	11.0	2.6 =	100.0

and for April through June were:

Pasquill Class	A	B	C	D	E	F	G	Total
% Obs.	2.3	9.0	9.3	46.1	19.7	9.4	4.2 =	100.0

The data, when corrected and/or supplemented by the synthetic data, derived from NWS NOAA data brought the recovery rate up above that required for maintaining adequate recovery as specified by the Nuclear Regulatory Commission. Recovery of synthetic and actual data requires a minimum recovery rate of 90 percent for the period.

On the basis of the data and its cross-checks, the weather data as amended is completely valid for use in tabulating reactor vent releases.

ABLE 15B - A

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBL. POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

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

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.1

ABLE 15R - B

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.1
NE	0.	0.	4.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.3
ENE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	3.8
E	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.6
ESE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SE	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.4
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.	2.	1.	0.	0.	0.	0.	0.	0.	0.	3.	3.2
SSW	0.	0.	1.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.8
SW	0.	0.	3.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.6
WSW	0.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.1
W	0.	0.	0.	2.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	3.	2.3
WNW	0.	0.	0.	2.	0.	2.	3.	1.	0.	0.	0.	0.	0.	0.	0.	8.	2.7
NW	0.	0.	1.	0.	1.	2.	1.	2.	1.	0.	0.	0.	0.	0.	0.	8.	2.9
NNW	0.	0.	0.	0.	0.	1.	0.	1.	1.	2.	2.	0.	0.	0.	0.	8.	4.5
N	0.	1.	2.	2.	1.	0.	0.	1.	0.	2.	1.	1.	0.	0.	0.	9.	2.3
TOTAL	0.	1.	14.	13.	7.	7.	6.	8.	2.	4.	3.	0	0.	0.	0.	65.	2.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 3.0

ABLE 15B - C

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.1
NE	0.	0.	1.	1.	1.	1.	0.	0.	2.	0.	0.	0.	0.	0.	0.	6.	2.7
ENE	0.	0.	0.	2.	0.	0.	1.	1.	4.	0.	0.	0.	0.	0.	0.	8.	3.4
E	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.2
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.	2.	0.	0.	0.	0.	2.	5.5
SSE	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	1.	0.	0.	0.	5.	4.5
S	0.	0.	0.	1.	1.	2.	3.	5.	0.	0.	0.	0.	0.	0.	0.	12.	3.1
SSW	0.	0.	0.	6.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	8.	2.1
SW	0.	0.	1.	0.	2.	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	6.	2.6
WSW	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	3.2
W	0.	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.2
WNW	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	4.	3.3
NW	0.	0.	0.	1.	0.	3.	2.	0.	2.	1.	0.	0.	0.	0.	0.	9.	3.2
NNW	0.	0.	0.	1.	1.	0.	2.	5.	1.	6.	7.	0.	0.	0.	0.	23.	4.3
N	0.	0.	0.	1.	0.	0.	2.	3.	0.	0.	0.	0.	0.	0.	0.	6.	3.2
TOTAL	0.	0.	4.	14.	5.	11.	16.	17.	10.	7.	11.	1.	0.	0.	0.	96.	3.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.4

ABLE 158 - D

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FRO TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	7.	7.	9.	1.	5.	5.	0.	2.	0.	1.	6.	0.	0.	43.	3.1
NE	0.	1.	8.	16.	14.	6.	3.	3.	1.	0.	1.	2.	0.	0.	0.	55.	2.3
ENE	0.	0.	3.	3.	11.	7.	5.	4.	3.	1.	0.	0.	0.	0.	0.	37.	2.6
E	0.	1.	3.	4.	4.	7.	12.	4.	4.	1.	0.	0.	0.	0.	0.	40.	2.8
ESE	1.	2.	5.	2.	3.	3.	9.	11.	9.	8.	9.	3.	2.	0.	0.	67.	3.7
SE	0.	0.	21.	22.	7.	5.	7.	4.	5.	12.	12.	11.	1.	0.	0.	107.	3.2
SSE	0.	0.	4.	6.	5.	10.	5.	4.	1.	6.	8.	11.	5.	0.	0.	65.	4.1
S	0.	2.	4.	6.	2.	5.	8.	7.	3.	4.	13.	6.	1.	1.	0.	62.	3.8
SSW	0.	1.	4.	5.	4.	4.	7.	6.	5.	5.	9.	3.	2.	1.	0.	57.	3.7
SW	0.	0.	4.	10.	5.	4.	3.	3.	1.	3.	3.	1.	1.	0.	0.	38.	2.9
WSW	1.	0.	2.	6.	4.	3.	5.	2.	4.	2.	2.	1.	0.	0.	0.	32.	3.0
W	0.	2.	2.	8.	9.	15.	12.	7.	5.	2.	1.	3.	0.	0.	0.	66.	2.9
WNW	0.	4.	1.	12.	7.	8.	13.	13.	6.	6.	3.	9.	2.	0.	0.	84.	3.4
NW	0.	1.	2.	12.	17.	28.	15.	13.	22.	5.	13.	13.	2.	3.	1.	147.	3.7
NNW	1.	2.	4.	9.	24.	27.	35.	44.	37.	21.	17.	6.	4.	3.	2.	236.	3.7
N	0.	3.	11.	10.	17.	37.	22.	16.	4.	1.	0.	0.	8.	0.	0.	129.	2.9
TOTAL	3.	19.	85.	138.	142.	170.	166.	146.	110.	80.	91.	70.	34.	8.	3.	1265.	3.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 57.3

ABLE 15B - E

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	1.	2.	1.	2.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	8.	2.0
NE	0.	1.	4.	2.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	8.	1.6
ENE	0.	1.	4.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.5
E	0.	0.	7.	1.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.7
ESE	0.	0.	2.	2.	5.	11.	3.	1.	1.	0.	0.	0.	0.	0.	0.	25.	2.5
SE	5.	3.	2.	4.	9.	9.	7.	4.	4.	3.	3.	1.	0.	0.	0.	54.	2.7
SSE	1.	1.	2.	2.	2.	5.	4.	2.	2.	2.	3.	5.	0.	0.	0.	30.	3.6
S	0.	1.	5.	3.	1.	6.	9.	4.	4.	5.	2.	6.	5.	1.	0.	52.	4.0
SSW	0.	3.	5.	2.	2.	2.	5.	3.	2.	3.	3.	9.	9.	2.	0.	50.	4.5
SW	0.	5.	1.	3.	2.	1.	3.	1.	2.	0.	6.	3.	2.	1.	0.	30.	3.7
WSW	0.	8.	3.	0.	1.	1.	3.	1.	1.	0.	0.	1.	0.	0.	0.	19.	2.0
W	0.	11.	7.	2.	3.	3.	2.	1.	1.	1.	0.	0.	0.	0.	0.	35.	1.5
WNW	0.	5.	10.	7.	6.	4.	1.	4.	2.	2.	1.	0.	0.	0.	0.	42.	2.2
NW	0.	1.	5.	9.	16.	13.	8.	3.	3.	3.	0.	0.	0.	0.	0.	61.	2.5
NNW	0.	2.	1.	3.	3.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	12.	1.9
N	0.	1.	6.	2.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	11.	1.6
TOTAL	6.	48.	65.	44.	55.	60.	48.	27.	23.	19.	18.	25.	16.	4.	0.	458.	2.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 21.0

ABLE 15B - F

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	3.	2.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	8.	1.7
NE	0.	2.	5.	1.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	13.	1.7
ENE	0.	2.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.	1.1
E	0.	1.	4.	7.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	1.6
ESE	0.	5.	3.	2.	4.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	18.	1.6
SE	0.	6.	9.	4.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	23.	1.4
SSE	1.	4.	2.	3.	1.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	15.	1.5
S	0.	4.	1.	3.	1.	4.	5.	4.	0.	0.	0.	0.	0.	0.	0.	22.	2.4
SSW	2.	2.	3.	2.	1.	2.	0.	1.	1.	4.	2.	1.	1.	0.	0.	22.	3.1
SW	0.	5.	0.	1.	1.	1.	3.	0.	0.	1.	5.	5.	3.	1.	0.	26.	4.4
WSW	1.	6.	2.	2.	2.	0.	0.	0.	2.	2.	1.	1.	0.	0.	0.	19.	2.2
W	1.	5.	2.	1.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	13.	1.3
WNW	0.	7.	7.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	1.1
NW	0.	1.	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.5
NNW	0.	4.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	1.1
N	1.	0.	1.	0.	0.	0.	3.	1.	0.	0.	0.	0.	0.	0.	0.	6.	2.4
TOTAL	6.	57.	48.	35.	19.	22.	18.	6.	3.	7.	8.	7.	4.	1.	0.	241.	2.1

JMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 11.0

ABLE 158 - G

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	0.	2.	1.1
NE	0.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.9
ENE	0.	1.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.1
E	0.	1.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	1.1
ESE	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.3
SE	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.1
SSE	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.8
S	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.6
SSW	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.3
SW	0.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	5.	2.1
WSW	0.	2.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.0
W	0.	4.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.8
WNW	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.4
NW	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.6
NNW	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.8
N	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.6
TOTAL	1.	21.	31.	3.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	57.	1.1

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 2.6

ABLE 158 - ALL

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	4.	15.	8.	13.	2.	8.	5.	1.	2.	0.	1.	6	0.	0.	65.	2.7
NE	0.	6.	24.	20.	18.	9.	4.	4	3.	0.	1.	2.	0.	0.	0.	91.	2.1
ENE	0.	4.	17.	8.	13.	8.	6.	6.	7.	1.	0.	0.	0.	0.	0.	70.	2.3
E	0.	3.	20.	15.	8.	10.	14.	4.	4.	1.	0.	0.	0.	0.	0.	79.	2.2
ESE	1.	7.	13.	6.	12.	17.	13.	12.	10.	8.	9.	3.	2.	0.	0.	113.	3.1
SE	5.	10.	35.	30.	17.	16.	15.	8.	9.	15.	17.	12.	1.	0.	0.	190.	2.8
SSE	2.	6.	8.	11.	8.	20.	10.	6.	3.	8.	13.	17.	5.	0.	0.	117.	3.6
S	1.	8.	10.	13.	5.	17.	27.	21.	7.	9.	15.	12.	6.	2.	0.	153.	3.6
SSW	2.	6.	14.	19.	7.	9.	14.	10.	8.	13.	14.	13.	12.	3.	0.	144.	3.7
SW	0.	11.	12.	17.	11.	6.	11.	5.	3.	4.	14.	9.	7.	2.	0.	112.	3.3
WSW	2.	16.	11.	8.	7.	5.	9.	3.	7.	4.	3.	3.	0.	0.	0.	78.	2.4
W	1.	26.	14.	13.	13.	22.	14.	10.	6.	3.	1.	3.	0.	0.	0.	126.	2.2
WNW	0.	18.	18.	26.	14.	15.	18.	21.	9.	8.	4.	9.	2.	0.	0.	162.	2.7
NW	0.	4.	10.	24.	36.	46.	26.	18.	28.	9.	13.	13.	2.	3.	1.	233.	3.3
NNW	1.	10.	6.	14.	28.	31.	37.	51.	39.	29.	27.	6.	4	3.	2.	288.	3.6
N	1.	7.	20.	15.	18.	37.	28.	22.	4.	3.	0.	0.	8.	0.	0.	163.	2.7
TOTAL	16.	146.	247.	247.	228.	270.	254.	206.	148.	117.	131.	103.	55.	13.	3.	2184.	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 100.0

TABLE 159 - A

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.6
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 0.1

TABLE 159 - B

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 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	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.1
NE	0.00	0.00	0.18	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.3
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.8
E	0.00	0.00	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.6
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	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.4
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	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	3.2
SSW	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	0.00	0.18	1.8
SW	0.00	0.00	0.14	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.6
WSW	0.00	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.1
W	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.3
WNW	0.00	0.00	0.00	0.09	0.00	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.7
NW	0.00	0.00	0.05	0.00	0.05	0.09	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.9
NNW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.04	0.09	0.14	0.00	0.00	0.00	0.00	0.37	4.5
N	0.00	0.05	0.09	0.09	0.05	0.00	0.00	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.41	2.3
TOTAL	0.00	0.05	0.65	0.59	0.32	0.31	0.28	0.38	0.08	0.18	0.14	0.00	0.00	0.00	0.00	2.98	2.5

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 3.0

TABLE 159 - C

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 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	0.09	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
NE	0.00	0.00	0.05	0.05	0.05	0.04	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.7
ENE	0.00	0.00	0.00	0.09	0.00	0.00	0.05	0.05	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.37	3.4
E	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	2.2
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	0.09	0.00	0.00	0.00	0.00	0.09	5.5
SSE	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.23	4.5
S	0.00	0.00	0.00	0.05	0.04	0.09	0.14	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	3.1
SSW	0.00	0.00	0.00	0.28	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.1
SW	0.00	0.00	0.05	0.00	0.09	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.6
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.2
W	0.00	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	0.09	3.2
WNW	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.18	3.3
NW	0.00	0.00	0.00	0.05	0.00	0.14	0.09	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.41	3.2
NNW	0.00	0.00	0.00	0.05	0.05	0.00	0.09	0.23	0.04	0.27	0.32	0.00	0.00	0.00	0.00	1.05	4.3
N	0.00	0.00	0.00	0.04	0.00	0.00	0.09	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	3.2
TOTAL	0.00	0.00	0.19	0.66	0.23	0.50	0.74	0.77	0.44	0.31	0.50	0.05	0.00	0.00	0.00	4.39	3.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.4

ABLE 159 - D

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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	0.32	0.32	0.41	0.05	0.23	0.23	0.00	0.09	0.00	0.05	0.27	0.00	0.00	1.97	3.1
NE	0.00	0.05	0.37	0.73	0.64	0.27	0.14	0.14	0.05	0.00	0.04	0.09	0.00	0.00	0.00	2.52	2.3
ENE	0.00	0.00	0.14	0.14	0.50	0.32	0.23	0.18	0.14	0.04	0.00	0.00	0.00	0.00	0.00	1.69	2.6
E	0.00	0.05	0.14	0.18	0.18	0.32	0.55	0.18	0.18	0.05	0.00	0.00	0.00	0.00	0.00	1.83	2.8
ESE	0.05	0.09	0.23	0.09	0.14	0.14	0.41	0.50	0.41	0.37	0.41	0.14	0.09	0.00	0.00	3.07	3.7
SE	0.00	0.00	0.96	1.01	0.32	0.23	0.32	0.18	0.23	0.55	0.55	0.50	0.05	0.00	0.00	4.90	3.2
SSE	0.00	0.00	0.18	0.28	0.23	0.46	0.23	0.18	0.05	0.27	0.37	0.50	0.23	0.00	0.00	2.98	4.1
S	0.00	0.09	0.18	0.27	0.09	0.23	0.37	0.32	0.14	0.18	0.60	0.27	0.05	0.05	0.00	2.84	3.8
SSW	0.00	0.05	0.18	0.23	0.18	0.18	0.32	0.28	0.23	0.27	0.41	0.14	0.09	0.05	0.00	2.61	3.7
SW	0.00	0.00	0.18	0.46	0.23	0.18	0.14	0.14	0.05	0.14	0.14	0.04	0.04	0.00	0.00	1.74	2.9
WSW	0.05	0.00	0.09	0.27	0.18	0.14	0.23	0.09	0.18	0.09	0.09	0.05	0.00	0.00	0.00	1.46	3.0
W	0.00	0.09	0.09	0.37	0.41	0.69	0.55	0.32	0.23	0.09	0.04	0.14	0.00	0.00	0.00	3.02	2.9
WNW	0.00	0.18	0.05	0.55	0.32	0.37	0.60	0.60	0.27	0.27	0.14	0.41	0.09	0.00	0.00	3.85	3.4
NW	0.00	0.05	0.09	0.55	0.78	1.28	0.69	0.59	1.01	0.23	0.59	0.59	0.09	0.14	0.05	6.73	3.7
NNW	0.05	0.09	0.18	0.41	1.10	1.24	1.60	2.01	1.69	0.96	0.78	0.28	0.18	0.14	0.09	10.80	3.7
N	0.00	0.14	0.50	0.46	0.78	1.69	1.01	0.73	0.18	0.05	0.00	0.00	0.37	0.00	0.00	5.91	2.9
TOTAL	0.15	0.88	3.88	6.32	6.49	7.79	7.62	6.67	5.04	3.65	4.16	3.20	1.55	0.38	0.14	57.92	3.4

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 57.9

ABLE 159 - E

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.00	0.05	0.09	0.05	0.09	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.0
NE	0.00	0.05	0.18	0.09	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.6
ENE	0.00	0.05	0.18	0.05	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.5
E	0.00	0.00	0.32	0.05	0.05	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.7
ESE	0.00	0.00	0.09	0.09	0.23	0.50	0.14	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.15	2.5
SE	0.23	0.14	0.09	0.18	0.41	0.41	0.32	0.18	0.18	0.14	0.14	0.05	0.00	0.00	0.00	2.47	2.7
SSE	0.05	0.05	0.04	0.09	0.09	0.23	0.18	0.09	0.09	0.09	0.14	0.23	0.00	0.00	0.00	1.37	3.6
S	0.00	0.05	0.23	0.14	0.05	0.27	0.41	0.18	0.18	0.23	0.09	0.27	0.23	0.05	0.00	2.38	4.0
SSW	0.00	0.14	0.23	0.09	0.09	0.09	0.23	0.14	0.09	0.14	0.14	0.41	0.41	0.09	0.00	2.29	4.5
SW	0.00	0.23	0.05	0.14	0.09	0.05	0.14	0.04	0.09	0.00	0.27	0.14	0.09	0.04	0.00	1.37	3.7
WSW	0.00	0.37	0.14	0.00	0.05	0.05	0.14	0.04	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.87	2.0
W	0.00	0.69	0.32	0.09	0.14	0.14	0.09	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	1.60	1.5
WNW	0.00	0.23	0.46	0.32	0.27	0.18	0.05	0.18	0.09	0.09	0.05	0.00	0.00	0.00	0.00	1.92	2.2
NW	0.00	0.04	0.23	0.41	0.73	0.59	0.37	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	2.79	2.5
NNW	0.00	0.09	0.05	0.14	0.14	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.9
N	0.00	0.05	0.27	0.09	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.6
TOTAL	0.28	2.23	2.97	2.02	2.52	2.73	2.21	1.23	1.03	0.87	0.83	1.14	0.73	0.18	0.00	20.97	2.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 21.0

ABLE 159 - F

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN N EAR 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	0.14	0.09	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.7
NE	0.00	0.09	0.23	0.05	0.09	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.7
ENE	0.00	0.09	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.1
E	0.00	0.05	0.18	0.32	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.6
ESE	0.00	0.23	0.14	0.09	0.18	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	1.6
SE	0.00	0.27	0.41	0.18	0.05	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	1.4
SSE	0.05	0.18	0.09	0.14	0.05	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.5
S	0.00	0.18	0.05	0.14	0.05	0.18	0.23	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	2.4
SSW	0.09	0.09	0.14	0.69	0.05	0.09	0.00	0.05	0.05	0.18	0.09	0.05	0.04	0.00	0.00	1.01	3.1
SW	0.00	0.23	0.00	0.05	0.05	0.04	0.14	0.00	0.00	0.04	0.23	0.23	0.14	0.04	0.00	1.19	4.4
WSW	0.05	0.27	0.09	0.09	0.09	0.00	0.00	0.00	0.09	0.09	0.05	0.05	0.00	0.00	0.00	0.87	2.2
W	0.05	0.23	0.09	0.04	0.04	0.14	0.00	0.00	0.00	0.00	.00	0.00	0.00	0.00	0.00	0.59	1.3
WNW	0.00	0.32	0.32	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1.1
NW	0.00	0.05	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.5
NNW	0.00	0.18	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	0.27	1.1
N	0.05	0.00	0.04	0.00	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.4
TOTAL	0.29	2.60	2.19	1.61	0.88	1.00	0.82	0.27	0.14	0.31	0.37	0.33	0.18	0.04	0.00	11.03	2.1

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 11.0

TABLE 159 - G

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TR1-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	0.00	0.09	1.1
NE	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.9
ENE	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
E	0.00	0.04	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.1
ESE	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	1.3
SE	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	0.00	0.00	0.14	1.1
SSE	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
S	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	0.6
SSW	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	0.00	0.14	1.3
SW	0.00	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.23	2.1
WSW	0.00	0.09	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	0.23	1.0
W	0.00	0.18	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	0.32	0.8
WNW	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	0.4
NW	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.6
NNW	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.8
N	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.6
TOTAL	0.05	0.96	1.43	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	2.61	1.1

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 2.6

ABLE 159 - ALL

DATA PERIOD 01/01/1992 THROUGH 03/31/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
RT 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	0.18	0.69	0.37	0.59	0.09	0.37	0.23	0.05	0.09	0.00	0.05	0.27	0.00	0.00	2.98	2.7
NE	0.00	0.28	1.10	0.92	0.82	0.41	0.18	0.18	0.14	0.00	0.05	0.09	0.00	0.00	0.00	4.17	2.1
ENE	0.00	0.18	0.78	0.37	0.59	0.37	0.27	0.27	0.32	0.05	0.00	0.00	0.00	0.00	0.00	3.20	2.3
E	0.00	0.14	0.92	0.69	0.37	0.46	0.64	0.18	0.18	0.05	0.00	0.00	0.00	0.00	0.00	3.62	2.2
ESE	0.05	0.32	0.59	0.27	0.55	0.78	0.59	0.55	0.46	0.37	0.41	0.14	0.09	0.00	0.00	5.17	3.1
SE	0.23	0.46	1.60	1.37	0.78	0.73	0.69	0.37	0.41	0.69	0.78	0.55	0.04	0.00	0.00	8.70	2.8
SSE	0.09	0.27	0.37	0.50	0.37	0.92	0.46	0.27	0.14	0.37	0.59	0.78	0.23	0.00	0.00	5.38	3.6
S	0.04	0.37	0.46	0.59	0.23	0.78	1.24	0.96	0.32	0.41	0.69	0.55	0.27	0.09	0.00	7.00	3.6
SSW	0.09	0.27	0.64	0.87	0.32	0.41	0.64	0.46	0.37	0.60	0.64	0.55	0.55	0.14	0.00	6.59	3.7
SW	0.00	0.51	0.55	0.78	0.50	0.28	0.50	0.23	0.14	0.18	0.64	0.41	0.32	0.09	0.00	5.13	3.3
WSW	0.09	0.73	0.50	0.37	0.32	0.23	0.41	0.14	0.32	0.18	0.14	0.14	0.00	0.00	0.00	3.57	2.4
W	0.05	1.19	0.64	0.59	0.59	1.01	0.64	0.46	0.27	0.14	0.05	0.14	0.00	0.00	0.00	5.77	2.2
WNW	0.00	0.83	0.83	1.19	0.64	0.69	0.82	0.96	0.41	0.37	0.18	0.41	0.09	0.00	0.00	7.42	2.7
NW	0.00	0.18	0.46	1.10	1.65	2.11	1.19	0.82	1.28	0.41	0.60	0.59	0.09	0.14	0.05	10.67	3.3
NNW	0.05	0.46	0.27	0.64	1.28	1.42	1.69	2.34	1.79	1.33	1.24	0.27	0.18	0.14	0.09	13.19	3.6
N	0.05	0.32	0.91	0.69	0.82	1.69	1.28	1.01	0.18	0.14	0.00	0.00	0.37	0.00	0.00	7.46	2.7
TOTAL	0.74	6.69	11.30	11.31	10.42	12.38	11.61	9.43	6.78	5.38	6.01	4.71	2.50	0.60	0.14	100.00	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 100.0

ABLE 15B - A

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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	URAR
NNE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	3.6
NE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	
ENE	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1	
E	0.	0.	0.	0.	0.	0.	2.	2.	4.	0.	0.	0.	0.	0.	0.	8.	3.9
ESE	0.	0.	0.	0.	0.	1.	0.	0.	1.	3.	1.	0.	0.	0.	0.	6.	4.4
SE	0.	0.	0.	0.	0.	0.	0	0.	2.	6.	0.	0.	1.	0.	0.	9.	4.8
SSE	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.1
S	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	3.8
SSW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
SW	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.2
WSW	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	2.7
W	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
WNW	0.	0.	0.	0.	0.	4.	5.	0.	0.	0.	0.	0.	0.	0.	0.	9.	2.9
NW	0.	0.	0.	0.	0.	1.	0.	1.	1.	2.	1.	0.	0.	0.	0.	6.	4.1
NNW	0.	0.	0.	0.	1.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	3.	3.5
N	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.0
TOTAL	0.	0.	2.	0.	3.	9.	5.	8.	8.	12.	2.	0.	1.	0.	0.	50.	3.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 2.3

TABLE 158 - B

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 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.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	3.	2.8
NE	0.	0.	0.	0.	0.	2.	4.	4.	0.	0.	0.	0.	0.	0.	0.	10.	3.2
ENE	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	3.	3.8
E	0.	0.	0.	0.	0.	3.	3.	1.	3.	0.	2.	0.	0.	0.	0.	12.	3.7
ESE	0.	0.	0.	1.	0.	1.	1.	1.	2.	0.	3.	2.	2.	1.	0.	14.	5.0
SE	0.	0.	0.	0.	2.	1.	4.	1.	4.	3.	1.	3.	3.	0.	0.	22.	4.6
SSE	0.	0.	1.	1.	1.	4.	2.	1.	3.	0.	1.	5.	3.	2.	1.	25.	5.0
S	0.	0.	0.	2.	0.	1.	5.	0.	2.	0.	0.	0.	3.	1.	3.	17.	5.1
SSW	0.	0.	0.	2.	2.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	7.	2.5
SW	0.	0.	0.	1.	1.	3.	1.	1.	0.	0.	0.	1.	0.	0.	0.	8.	3.1
WSW	0.	0.	1.	1.	1.	2.	0.	0.	1.	0.	0.	1.	0.	0.	0.	7.	2.9
W	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	2.	3.1
WNW	0.	0.	0.	1.	3.	2.	0.	0.	1.	0.	0.	0.	0.	0.	0.	7.	2.5
NW	0.	0.	1.	1.	2.	3.	12.	14.	1.	1.	0.	0.	0.	0.	0.	35.	3.2
NNW	0.	0.	1.	1.	4.	3.	1.	1.	3.	3.	1.	0.	0.	0.	0.	18.	3.2
N	0.	0.	1.	3.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.0
TOTAL	0.	0.	5.	15.	16.	28.	38.	25.	22.	8.	8.	12.	11.	4.	4.	196.	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.0

ABLE 15B - C

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
OPT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	1.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	2.4
NE	0.	0.	0.	1.	2.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	5.	2.4
ENE	0.	0.	0.	0.	0.	5.	1.	1.	4.	0.	2.	0.	0.	0.	0.	13.	3.7
E	0.	0.	2.	0.	5.	1.	0.	1.	4.	1.	0.	0.	0.	0.	0.	14.	3.0
ESE	0.	0.	1.	0.	1.	0.	3.	1.	1.	3.	2.	0.	1.	1.	2.	16.	5.0
SE	0.	0.	0.	2.	0.	0.	4.	7.	4.	2.	3.	0.	0.	2.	0.	24.	4.2
SSE	0.	0.	2.	0.	0.	2.	4.	5.	1.	1.	3.	1.	4.	5.	1.	29.	5.2
S	0.	0.	0.	0.	1.	0.	2.	1.	0.	0.	3.	0.	3.	1.	1.	12.	5.7
SSW	0.	0.	0.	1.	1.	1.	0.	1.	1.	3.	1.	0.	1.	0.	0.	10.	4.1
SW	0.	1.	0.	1.	0.	1.	1.	0.	0.	0.	4.	0.	0.	0.	0.	8.	3.8
WSW	0.	1.	0.	2.	0.	2.	0.	0.	0.	0.	1.	0.	0.	0.	0.	6.	2.3
W	0.	0.	1.	0.	0.	2.	0.	0.	0.	1.	0.	0.	0.	0.	0.	4.	2.6
WNW	0.	0.	1.	2.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	2.1
NW	0.	0.	1.	0.	3.	7.	5.	2.	3.	1.	0.	0.	0.	0.	0.	22.	3.0
NNW	0.	0.	2.	2.	3.	5.	5.	0.	2.	4.	1.	0.	0.	0.	0.	24.	3.1
N	0.	0.	0.	1.	0.	2.	1.	1.	1.	0.	1.	0.	0.	0.	0.	7.	3.3
TOTAL	0.	2.	11.	12.	16.	35.	26.	2	21.	16.	2	1.	9.	9.	4.	204.	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.3

ABLE 15B - D

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	2.	5.	7.	6.	3.	1.	6.	0.	0.	0.	0.	0.	0.	0.	30.	2.2
NE	0.	0.	10.	6.	1.	1.	0.	2.	0.	0.	0.	1.	0.	0.	0.	21.	1.9
ENE	0.	1.	11.	11.	10.	9.	2.	0.	0.	0.	0.	1.	0.	0.	0.	45.	2.0
E	0.	0.	4.	5.	1[illegible]	8.	7.	12.	9.	8.	6.	1.	0.	0.	0.	77.	3.2
ESE	0.	0.	4.	12.	12.	4.	11.	7.	10.	9.	6.	3.	1.	0.	1.	80.	3.4
SE	0.	0.	6.	6.	6.	11.	15.	17.	18.	14.	19.	1.	3.	1.	0.	117.	3.8
SSE	0.	1.	1.	4.	4.	3.	3.	14.	8.	12.	19.	27.	9.	4.	2.	111.	5.1
S	0.	1.	1.	2.	2.	3.	3.	3.	5.	10.	9.	12.	8.	7.	4.	68.	5.4
SSW	0.	1.	3.	2.	0.	4.	1.	1.	3.	3.	3.	8.	3.	3.	4.	39.	5.2
SW	0.	0.	1.	2.	0.	3.	1.	0.	1.	1.	5.	1.	0.	0.	0.	15.	3.7
WSW	0.	1.	4.	4.	0.	3.	2.	0.	1.	1.	0.	1.	0.	0.	0.	17.	2.4
W	0.	4.	5.	3.	1.	4.	2.	1.	0.	0.	0.	0.	0.	0.	0.	20.	1.9
WNW	0.	2.	11.	7.	9.	4.	6.	6.	0.	1.	6.	7.	0.	0.	0.	59.	3.0
NW	0.	1.	6.	14.	15.	13.	19.	13.	15.	7.	18.	12.	0.	0.	0.	133.	3.6
NNW	0.	0.	8.	10.	12.	15.	34.	15.	6.	4.	11.	0.	0.	0.	0.	115.	3.1
N	0.	2.	10.	7.	16.	6.	10.	3.	5.	0.	0.	0.	0.	0.	0.	59.	2.4
TOTAL	0.	16.	90.	102.	111.	94.	117.	100.	81.	70.	102.	75.	22.	15.	11.	1006.	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 46.1

ABLE 15B - E

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.	3.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	1.0
NE	1.	3.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.1
ENE	0.	1.	6.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.2
E	1.	0.	3.	10.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	1.6
ESE	0.	0.	5.	2.	3.	3.	4.	1.	1.	0.	0.	0.	0.	0.	0.	19.	2.1
SE	0.	4.	6.	7.	11.	15.	12.	7.	6.	5.	2.	1.	0.	0.	0.	76.	2.8
SSE	2.	3.	2.	4.	2.	8.	7.	1.	4.	3.	5.	1.	0.	0.	0.	42.	3.0
S	1.	6.	7.	6.	3.	5.	0.	3.	2.	2.	7.	4.	1.	0.	0.	47.	3.0
SSW	3.	3.	0.	1.	1.	1.	0.	1.	0.	1.	2.	0.	0.	0.	0.	13.	2.2
SW	2.	5.	4.	3.	0.	2.	1.	1.	1.	1.	0.	1.	11.	0.	0.	32.	3.8
WSW	3.	8.	2.	5.	2.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	22.	1.3
W	1.	14.	14.	5.	3.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	1.2
WNW	1.	12.	14.	6.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	39.	1.3
NW	0.	8.	6.	9.	8.	4.	3.	0.	0.	0.	0.	0.	0.	0.	0.	38.	1.7
NNW	1.	2.	6.	3.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	17.	1.6
N	0.	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	1.2
TOTAL	16.	74.	81.	67.	43.	44.	29.	15.	14.	13.	16.	7.	12.	0.	0.	431.	2.2

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 19.7

ABLE 15B - F

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.2
NE	0.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.9
ENE	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.0
E	1.	3.	3.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.1
ESE	1.	3.	1.	2.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	1.3
SE	3.	9.	2.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	0.8
SSE	0.	5.	1.	3.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.4
S	4.	4.	0.	3.	3.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	16.	1.3
SSW	4.	8.	0.	1.	2.	1.	1.	1.	0.	1.	1.	0.	0.	0.	0.	20.	1.6
SW	4.	8.	2.	1.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	17.	1.3
WSW	4.	14.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	0.6
W	2.	13.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	18.	0.6
WNW	0.	7.	15.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	28.	1.1
NW	0.	8.	3.	3.	1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	17.	1.3
NNW	1.	2.	3.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	9.	1.5
N	1.	0.	2.	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.9
TOTAL	26.	87.	40.	24.	12.	5.	7.	1.	0.	1.	2.	1.	0.	0.	0.	206.	1.1

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.4

ABLE 158 - G

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.6
NE	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.8
ENE	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.7
E	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.5
ESE	0.	5.	5.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	1.0
SE	6.	8.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	17.	0.6
SSE	5.	6.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	0.7
S	3.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.5
SSW	0.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.7
SW	5.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.6
WSW	4.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.6
W	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.4
WNW	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.7
NW	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.3
NNW	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.7
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0
TOTAL	28.	43.	13.	4.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	91.	0.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.2

ABLE 158 - ALL

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	1.	.	.	9.	6.	6.	2.	8.	0.	0.	0.	0.	0.	0.	0.	49.	2.0
NE	1.	0.	13.	9.	4.	4.	4.	8.	0.	0.	0.	1.	0.	0.	0.	50.	2.0
ENE	1.	4.	18.	13.	11.	15.	3.	2.	5.	1.	2.	1.	0.	0.	0.	76.	2.2
E	3.	6.	12.	16.	23.	13.	10.	16.	20.	9.	8.	1.	0.	0.	0.	139.	2.8
ESE	1.	8.	16.	18.	18.	10.	19.	10.	15.	15.	12.	5.	4.	2.	3.	156.	3.3
SE	9.	21.	15.	17.	21.	27.	35.	32.	34.	30.	25.	5.	7.	3.	0.	281.	3.3
SSE	7.	17.	9.	12.	10.	19.	16.	21.	16.	16.	28.	34.	16.	11.	4.	236.	4.2
S	8.	12.	9.	13.	9.	10.	11.	8.	9.	12.	19.	16.	13.	9.	8.	166.	4.2
SSW	7.	16.	3.	7.	6.	8.	3.	4.	5.	8.	7.	8.	4.	3.	4.	93.	3.5
SW	11.	16.	9.	8.	2.	9.	4.	2.	2.	2.	10.	4.	11.	0.	0.	90.	3.9
WSW	11.	25.	10.	13.	3.	10.	3.	0.	2.	2.	1.	2.	0.	0.	0.	92.	1.6
W	4.	34.	22.	9.	4.	9.	4.	1.	0.	1.	0.	0.	0.	0.	0.	88.	1.3
WNW	3.	23.	43.	21.	18.	14.	11.	6.	1.	1.	6.	7.	0.	0.	0.	154.	2.1
NW	0.	18.	17.	27.	30.	28.	41.	30.	20.	11.	19.	12.	0.	0.	0.	253.	3.0
NNW	2.	5.	21.	16.	22.	24.	44.	18.	11.	12.	13.	0.	0.	0	0.	188.	2.9
N	1.	4.	15.	14.	17.	1.	12.	4.	6.	0.	1.	0.	0.	0.	0.	83.	2.3
TOTAL	70.	222.	242.	24.	204.	215.	222.	170.	146.	120.	151.	96.	55.	28.	19.	2184.	3.0

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 100.0

TABLE 1[illegible] - A

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

DT10D = -2.0 TO -INF IN PERCENT DATA USED -- WD10 ,WS10 ,DT10U

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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.6
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.7
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3.9
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.27	3.9
ESE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.04	0.14	0.04	0.00	0.00	0.00	0.00		4.4
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.27	0.00	0.00	0.05	0.00	0.00	[illegible]	4.6
SSE	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	[illegible]	[illegible]
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	8
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
SW	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.2
WSW	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.7
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WNW	0.00	0.00	0.00	0.00	0.00	0.18	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	2.9
NW	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.04	0.09	0.04	0.00	0.00	0.00	0.00	0.27	4.1
NNW	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.14	3.5
N	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	2.0
TOTAL	0.00	0.00	0.09	0.00	0.14	0.42	0.23	0.39	0.35	0.54	0.08	0.00	0.05	0.00	0.00	2.29	3.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 2.3

ABLE 159 - B

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

JOINT FREQUENCY DISTRIBUTION WIND DIRECTION VS. WIND SPEEL 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	0.05	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.8
NE	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	3.2
ENE	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.09	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.14	3.8
E	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.04	0.14	0.00	0.09	0.04	0.00	0.00	0.00	0.55	3.7
ESE	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.04	0.09	0.00	0.14	0.09	0.09	0.04	0.00	0.64	5.0
SE	0.00	0.00	0.00	0.00	0.09	0.05	0.18	0.05	0.18	0.14	0.04	0.14	0.14	0.00	0.00	1.01	4.6
SSE	0.00	0.00	0.05	0.05	0.05	0.18	0.09	0.04	0.14	0.00	0.04	0.23	0.14	0.09	0.04	1.14	5.0
S	0.00	0.00	0.00	0.09	0.00	0.05	0.23	0.00	0.09	0.00	0.00	0.00	0.14	0.04	0.14	0.78	5.1
SSW	0.00	0.00	0.00	0.09	0.09	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.5
SW	0.00	0.00	0.00	0.05	0.05	0.14	0.05	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.37	3.1
WSW	0.00	0.00	0.05	0.05	0.05	0.09	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.32	2.9
W	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.1
WNW	0.00	0.00	0.00	0.05	0.14	0.09	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.5
NW	0.00	0.00	0.05	0.05	0.09	0.14	0.55	0.64	0.04	0.04	0.00	0.00	0.00	0.00	0.00	1.60	3.2
NNW	0.00	0.00	0.05	0.05	0.18	0.14	0.04	0.04	0.14	0.14	0.04	0.00	0.00	0.00	0.00	0.82	3.2
N	0.00	0.00	0.05	0.14	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.0
TOTAL	0.00	0.00	0.25	0.72	0.74	1.30	1.75	1.11	0.99	0.36	0.35	0.54	0.51	0.17	0.18	8.97	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.0

ABLE 159 - C

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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 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	0.04	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.4
NE	0.00	0.00	0.00	0.05	0.09	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.4
ENE	0.00	0.00	0.00	0.00	0.00	0.23	0.05	0.05	0.18	0.00	0.09	0.00	0.00	0.00	0.00	0.60	3.7
E	0.00	0.00	0.09	0.00	0.23	0.05	0.00	0.05	0.18	0.04	0.00	0.00	0.00	0.00	0.00	0.64	3.0
ESE	0.00	0.00	0.05	0.00	0.05	0.00	0.14	0.05	0.04	0.14	0.09	0.00	0.04	0.04	0.09	0.73	5.0
SE	0.00	0.00	0.00	0.09	0.00	0.00	0.19	0.32	0.18	0.09	0.14	0.00	0.00	0.09	0.00	1.10	4.2
SSE	0.00	0.00	0.09	0.00	0.00	0.09	0.18	0.23	0.05	0.05	0.14	0.05	0.18	0.23	0.04	1.33	5.2
S	0.00	0.00	0.00	0.00	0.05	0.00	0.09	0.[illegible]	0.00	0.00	0.14	0.00	0.14	0.04	0.04	0.55	5.7
SSW	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.05	0.04	0.14	0.04	0.00	0.04	0.00	0.00	0.46	4.1
SW	0.00	0.05	0.00	0.05	0.00	0.05	0.04	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.37	3.8
WSW	0.00	0.05	0.00	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.27	2.3
W	0.00	0.00	0.05	0.00	0.00	0.09	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.18	2.6
WNW	0.00	0.00	0.04	0.09	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.1
NW	0.00	0.00	0.05	0.00	0.14	0.32	0.23	0.09	0.14	0.04	0.00	0.00	0.00	0.00	0.00	1.01	3.0
NNW	0.00	0.00	0.09	0.09	0.14	0.23	0.23	0.00	0.09	0.18	0.05	0.00	0.00	0.00	0.00	1.10	3.1
N	0.00	0.00	0.00	0.05	0.00	0.09	0.05	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.32	3.3
TOTAL	0.00	0.10	0.50	0.56	0.75	1.62	1.20	0.98	0.94	0.72	0.95	0.05	0.40	0.40	0.17	9.34	3.8

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.3

ABLE 159 - D

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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 -- WL10 ,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	0.23	0.32	0.27	0.14	0.05	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	2.2
NE	0.00	0.00	0.46	0.27	0.05	0.05	0.00	0.09	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.96	1.9
ENE	0.00	0.05	0.50	0.50	0.46	0.41	0.09	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	2.06	2.0
E	0.00	0.00	0.18	0.23	0.78	0.37	0.32	0.55	0.41	0.37	0.27	0.05	0.00	0.00	0.00	3.53	3.2
ESE	0.00	0.00	0.18	0.55	0.55	0.18	0.50	0.32	0.46	0.41	0.27	0.14	0.05	0.00	0.05	3.66	3.4
SE	0.00	0.00	0.28	0.27	0.27	0.50	0.69	0.78	0.82	0.64	0.87	0.05	0.14	0.05	0.00	5.36	3.8
SSE	0.00	0.05	0.04	0.18	0.18	0.14	0.14	0.64	0.37	0.55	0.87	1.24	0.41	0.18	0.09	5.08	5.
S	0.00	0.05	0.04	0.09	0.09	0.14	0.14	0.14	0.23	0.46	0.41	0.55	0.27	0.32	0.18	3.11	5.
SSW	0.00	0.05	0.14	0.09	0.00	0.18	0.04	0.04	0.14	0.14	0.14	0.37	0.14	0.14	0.18	1.79	5.2
SW	0.00	0.00	0.05	0.09	0.00	0.14	0.05	0.00	0.05	0.04	0.23	0.04	0.00	0.00	0.00	0.69	3.7
WSW	0.00	0.05	0.18	0.18	0.00	0.14	0.09	0.00	0.05	0.05	0.00	0.04	0.00	0.00	0.09	0.78	2.4
W	0.00	0.18	0.23	0.14	0.05	0.18	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1.9
WNW	0.00	0.09	0.50	0.32	0.41	0.18	0.28	0.28	0.00	0.05	0.27	0.32	0.00	0.00	0.00	2.70	3.0
NW	0.00	0.05	0.27	0.64	0.69	0.60	0.87	0.59	0.69	0.32	0.82	0.55	0.00	0.00	0.00	6.09	3.6
NNW	0.00	0.00	0.36	0.46	0.55	0.69	1.56	0.69	0.27	0.18	0.50	0.00	0.00	0.00	0.00	5.26	3.1
N	0.00	0.09	0.46	0.32	0.73	0.27	0.46	0.14	0.23	0.00	0.00	0.00	0.00	0.00	0.00	2.70	2.4
TOTAL	0.00	0.75	4.10	4.65	5.08	4.31	5.37	4.58	3.72	3.21	4.65	3.44	1.01	0.69	0.50	46.06	3.6

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 46.1

TABLE 159 - E

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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.(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	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.0
NE	0.05	0.14	0.09	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.1
ENE	0.00	0.05	0.27	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.41	1.2
E	0.05	0.00	0.14	0.46	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.6
ESE	0.00	0.00	0.23	0.09	0.14	0.14	0.18	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.87	2.3
SE	0.00	0.18	0.28	0.32	0.50	0.69	0.55	0.32	0.27	0.23	0.09	0.05	0.00	0.00	0.00	3.48	2.8
SSE	0.09	0.14	0.09	0.18	0.09	0.37	0.32	0.05	0.18	0.14	0.23	0.04	0.00	0.00	0.00	1.92	3.0
S	0.05	0.27	0.32	0.27	0.14	0.23	0.00	0.14	0.09	0.09	0.32	0.18	0.05	0.00	0.00	2.15	3.0
SSW	0.14	0.14	0.00	0.05	0.05	0.05	0.00	0.04	0.00	0.04	0.09	0.00	0.00	0.00	0.00	0.60	2.2
SW	0.09	0.23	0.18	0.14	0.00	0.09	0.05	0.05	0.05	0.05	0.00	0.04	0.50	0.00	0.00	1.47	3.8
WSW	0.14	0.37	0.09	0.23	0.09	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.01	1.3
W	0.04	0.64	0.64	0.23	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.2
WNW	0.05	0.55	0.64	0.27	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	1.3
NW	0.00	0.37	0.27	0.41	0.37	0.18	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	1.7
NNW	0.05	0.09	0.27	0.14	0.09	0.05	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.6
N	0.00	0.09	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	0.27	1.2
TOTAL	0.75	3.40	3.69	3.06	1.96	2.03	1.34	0.69	0.63	0.59	0.73	0.31	0.55	0.00	0.00	19.73	2.2

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 19.7

ABLE 159 - F

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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	0.09	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	1.2
NE	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
ENE	0.05	0.05	0.04	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	1.0
E	0.04	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.1
ESE	0.05	0.14	0.05	0.09	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.3
SE	0.14	0.41	0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.8
SSE	0.00	0.23	0.05	0.14	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.4
S	0.18	0.18	0.00	0.14	0.14	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.3
SSW	0.18	0.37	0.00	0.05	0.09	0.05	0.05	0.05	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.92	1.6
SW	0.18	0.37	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.78	1.3
WSW	0.19	0.64	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	0.92	0.6
W	0.09	0.59	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	0.82	0.6
WNW	0.00	0.32	0.69	0.23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.1
NW	0.00	0.37	0.14	0.14	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.3
NNW	0.04	0.09	0.14	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.5
N	0.05	0.00	0.09	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	0.9
TOTAL	1.19	3.99	1.84	1.11	0.53	0.23	0.32	0.05	0.00	0.04	0.09	0.04	0.00	0.00	0.00	9.43	1.1

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 9.4

ABLE 1S9 - G

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SERIES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT 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	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.6
NE	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.8
ENE	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.7
E	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	0.00	0.18	0.5
ESE	0.00	0.23	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	0.50	1.0
SE	0.27	0.37	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	0.78	0.6
SSE	0.23	0.37	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	0.69	0.7
S	0.14	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.5
SSW	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.7
SW	0.23	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.6
WSW	0.18	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	0.32	0.6
W	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	0.00	0.18	0.4
WNW	0.10	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.7
NW	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.3
NNW	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.7
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	1.28	2.00	0.59	0.17	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.7

NUMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERVATIONS= 4.2

ABLE 159 - ALL

DATA PERIOD 04/01/1992 THROUGH 06/30/1992 RUN FROM TAPE SI ES TRI-EX

MAHA PUBLIC POWER DISTRICT
ORT CALHOUN NUCLEAR STATION

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

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

SECTOR IS WIND DIRECTION NOT AFFECTED DIRECTION

SECTOR	0.0 TO 0.4	0.5 TO 0.9	1.0 TO 1.4	1.5 TO 1.9	2.0 TO 2.4	2.5 TO 2.9	3.0 TO 3.4	3.5 TO 3.9	4.0 TO 4.4	4.5 TO 4.9	5.0 TO 5.9	6.0 TO 6.9	7.0 TO 7.9	8.0 TO 8.9	9.0 TO INF	TOTAL	UBAR
NNE	0.05	0.32	0.46	0.41	0.27	0.27	0.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	2.0
NE	0.05	0.27	0.60	0.41	0.18	0.18	0.18	0.37	0.00	0.00	0.00	0.05	0.00	0.00	0.00	2.29	2.0
ENE	0.05	0.18	0.82	0.59	0.50	0.69	0.14	0.09	0.23	0.05	0.09	0.05	0.00	0.00	0.00	3.48	2.2
E	0.14	0.27	0.55	0.82	1.05	0.59	0.46	0.73	0.92	0.41	0.37	0.05	0.00	0.00	0.00	6.36	2.8
ESE	0.04	0.37	0.73	0.82	0.82	0.46	0.87	0.46	0.69	0.69	0.55	0.23	0.18	0.09	0.14	7.14	3.3
SE	0.41	0.96	0.69	0.78	0.96	1.24	1.60	1.47	1.56	1.37	1.14	0.23	0.32	0.14	0.00	12.87	3.3
SSE	0.32	0.78	0.41	0.55	0.46	0.87	0.73	0.96	0.73	0.73	1.28	1.56	0.73	0.51	0.19	10.81	4.2
S	0.37	0.55	0.41	0.60	0.41	0.46	0.50	0.37	0.41	0.55	0.87	0.73	0.59	0.41	0.37	7.60	4.2
SSW	0.32	0.73	0.14	0.32	0.27	0.37	0.14	0.18	0.23	0.37	0.32	0.37	0.18	0.14	0.18	4.26	3.5
SW	0.51	0.73	0.41	0.37	0.09	0.41	0.18	0.09	0.09	0.09	0.46	0.18	0.51	0.00	0.00	4.12	2.9
WSW	0.50	1.14	0.46	0.60	0.14	0.46	0.14	0.00	0.09	0.09	0.05	0.09	0.00	0.00	0.00	3.76	1.6
W	0.18	1.56	1.01	0.41	0.18	0.41	0.18	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	4.03	1.3
WNW	0.14	1.05	1.97	0.96	0.82	0.64	0.50	0.28	0.05	0.05	0.27	0.32	0.00	0.00	0.00	7.05	2.1
NW	0.00	0.82	0.78	1.24	1.37	1.28	1.88	1.37	0.92	0.50	0.87	0.55	0.00	0.00	0.00	11.58	3.0
NNW	0.09	0.23	0.96	0.73	1.01	1.10	2.02	0.82	0.50	0.55	0.60	0.00	0.00	0.00	0.00	8.61	2.9
N	0.05	0.18	0.69	0.64	0.78	0.41	0.55	0.18	0.27	0.00	0.05	0.00	0.00	0.00	0.00	3.80	2.3
TOTAL	3.22	10.14	11.09	10.25	9.31	9.84	10.16	7.78	6.69	5.50	6.92	4.41	2.51	1.29	0.88	100.00	3.0

UMBER OF INVALID OBSERVATIONS= 0.

PERCENT OF VALID OBSERV. TIONS= 100.0

RELEASE NUMBER 92001 CONTAINMENT PURGE

STARTING TIME JAN 2,1992 HOUR 17 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	7.6	339.8	-0.9
18	7.1	356.3	-0.9
19	6.1	353.2	-0.8
20	6.4	329.4	-0.7
21	5.1	332.0	-0.7
22	6.3	319.0	-0.6
23	7.0	310.9	-0.5
24	6.4	295.3	-0.3
1	5.4	317.9	-0.7
2	7.7	333.4	-0.7
3	7.6	335.7	-0.7
4	6.3	329.5	-0.7
5	7.3	339.8	-0.7
6	6.9	336.3	-0.7
7	6.7	353.3	-0.6
8	6.9	347.6	-0.6
9	5.2	10.6	-0.6
10	5.8	21.6	-0.6

STOP TIME JAN 3,1992 HOUR 9 MINUTE 0

STARTING TIME JAN 3,1992 HOUR 14 MINUTE 58

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	3.9	90.9	-1.5
15	3.1	136.2	-1.7
16	2.1	175.3	-1.4
17	1.6	312.4	0.1
18	1.4	241.9	1.7
19	1.5	74.3	2.2
20	1.7	181.5	2.6
21	1.0	332.0	3.4
22	1.2	28.0	3.7
23	2.3	33.2	4.4
24	1.1	298.4	5.0
1	1.4	305.5	4.5
2	1.3	3.4	4.6
3	1.8	49.5	5.0
4	2.8	296.5	3.1
5	0.8	359.7	4.0
6	0.7	272.5	3.8
7	0.9	290.8	3.8
8	1.0	342.4	4.0
9	0.9	278.7	3.2
10	2.0	270.3	1.4

11	3.3	279.7	0.1
12	6.7	281.1	-0.7
13	7.7	278.1	-0.9
14	8.2	274.9	-0.9
15	10.4	279.3	-0.9
16	10.5	281.4	-0.8
17	8.6	283.2	-0.5
18	6.1	284.8	-0.4
19	8.6	288.6	-0.6
20	9.8	288.0	-0.8
21	9.9	288.3	-0.8
22	10.9	285.4	-0.8
23	11.1	338.2	-0.8
24	9.0	338.0	-0.7
1	6.8	285.9	-0.8
2	7.4	283.3	-0.7
3	7.2	279.9	-0.8
4	6.3	277.2	-0.8
5	7.6	280.6	-0.8
6	6.9	253.0	-0.7
7	5.6	271.0	-0.7
8	5.1	273.7	-0.7
9	5.5	270.5	-0.9
10	3.0	251.4	-0.8
11	3.6	241.0	-0.8
12	5.5	263.8	-0.8
13	4.1	278.6	-0.8
14	2.4	218.9	-0.7
15	2.0	187.8	-0.8
16	3.1	134.4	-0.8
17	3.3	142.7	-0.7
18	2.7	185.8	-0.7
19	3.2	133.3	-0.6
20	3.4	135.1	-0.8
21	3.7	113.7	-0.8
22	2.7	103.9	-0.7
23	1.6	105.0	-0.7
24	1.1	98.9	-0.7
1	3.4	121.1	-0.7
2	2.9	141.1	-0.6
3	1.5	212.4	-0.7
4	1.0	297.7	-0.6
5	0.8	114.3	-0.6
6	1.2	283.5	-0.5
7	1.4	267.9	-0.6
8	2.9	18.9	-0.8

STOP TIME JAN 6,1992 HOUR 7 MINUTE 47

RELEASE NUMBER 92002 CONTAINMENT PURGE

STARTING TIME JAN 9,1992 HOUR 17 MINUTE 23

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	3.7	89.5	-0.9
18	2.1	56.7	-0.2
19	0.9	268.3	1.0
20	1.9	80.2	2.0
21	1.7	124.5	2.2
22	2.4	112.3	2.2
23	2.7	111.6	2.3
24	2.7	110.2	1.9
1	2.4	100.2	1.3
2	2.1	90.8	0.7
3	2.6	96.1	1.1
4	3.5	102.6	1.2
5	3.1	104.6	1.2
6	2.1	85.6	0.6
7	2.3	91.6	0.8
8	2.4	96.3	0.8
9	2.2	101.6	0.8

STOP TIME JAN 10,1992 HOUR 8 MINUTE 45

STARTING TIME JAN 10,1992 HOUR 10 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	1.5	197.7	-0.3
11	2.0	176.1	-0.7
12	5.0	200.7	-0.2
13	6.6	198.2	-0.2
14	6.4	187.8	-0.2
15	7.3	184.2	-0.1
16	6.5	218.1	-0.1
17	6.9	198.2	-0.1
18	10.3	194.6	0.6
19	11.5	194.7	0.4
20	11.1	194.9	0.2
21	11.9	210.6	-0.1
22	10.7	205.4	0.2
23	5.1	144.6	-0.1
24	5.4	157.9	-0.2
1	4.5	129.8	-0.2
2	6.2	172.1	0.5
3	7.4	192.9	0.9
4	6.1	158.7	0.2
5	8.5	196.3	1.2
6	15.4	205.9	1.7
7	16.1	205.6	1.7

8	13.4	202.8	1.3
9	13.3	196.2	0.4
10	11.7	191.3	-0.5
11	11.7	191.7	-0.7
12	13.6	197.4	-1.0
13	11.3	183.3	-1.0
14	12.6	178.8	-1.1
15	11.2	175.2	-1.0
16	11.9	171.9	-0.8
17	13.3	168.0	-0.5
18	15.0	179.5	-0.1
19	13.2	187.7	0.1
20	15.1	181.9	0.3
21	16.9	186.1	-0.2
22	17.6	192.2	-0.3
23	18.1	194.2	-0.4
24	16.3	185.7	-0.4
1	13.2	172.8	-0.5
2	10.6	171.5	-0.2
3	6.6	171.4	-0.1
4	10.6	179.9	-0.3
5	12.2	204.5	-0.7
6	10.9	186.8	-0.6
7	10.6	166.5	-0.5
8	8.6	176.6	-0.2
9	7.0	184.1	-0.4
10	7.9	178.8	-0.5
11	7.7	195.6	-0.7
12	8.7	238.0	-0.8
13	5.2	303.8	-0.8
14	6.1	321.7	-0.9
15	8.1	339.9	-0.9
16	7.9	344.1	-0.8
17	7.9	343.0	-0.8
18	6.9	343.2	-0.8
19	7.2	332.6	-0.8
20	6.5	336.F	-0.7
21	6.2	329.6	-0.7
22	8.2	335.3	-0.8
23	9.0	332.1	-0.9
24	7.9	330.2	-0.9
1	8.2	333.0	-0.8
2	9.9	330.7	-0.9
3	10.0	333.3	-0.9
4	10.7	332.8	-0.9
5	8.7	330.2	-0.9
6	9.6	333.7	-0.9

STOP TIME JAN 13,1992 HOUR 5 MINUTE 0

RELEASE NUMBER 92003 CONTAINMENT PURGE

STARTING TIME JAN 17,1992 HOUR 10 MINUTE 2

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	13.4	331.1	-1.1
11	11.6	329.6	-1.2

STOP TIME JAN 17,1992 HOUR 10 MINUTE 47

RELEASE NUMBER 92004 CONTAINMENT PURGE

STARTING TIME JAN 17,1992 HOUR 19 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
19	1.7	245.7	0.2
20	1.9	268.4	0.2
21	1.4	240.6	0.7
22	1.9	229.5	0.9
23	2.1	298.1	1.1
24	2.1	289.6	1.5

STOP TIME JAN 17,1992 HOUR 23 MINUTE 50

STARTING TIME JAN 18,1992 HOUR 0 MINUTE 9

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
1	1.7	288.8	1.4
2	1.3	232.2	1.0
3	1.7	346.2	0.3
4	2.6	39.5	0.2
5	2.4	58.8	0.1
6	1.5	345.8	0.1
7	2.4	46.4	0.4
8	2.4	29.5	0.5
9	3.6	64.1	-0.2
10	6.5	77.1	-1.1
11	6.5	74.4	-1.2
12	5.8	67.0	-1.3
13	5.3	58.7	-1.2
14	5.3	40.8	-1.3
15	4.6	26.0	-1.2
16	3.3	20.3	-1.1
17	3.7	38.1	-1.1
18	2.6	5.4	-0.8
19	1.4	254.6	0.3
20	1.4	207.5	0.7
21	1.9	138.8	0.7
22	4.7	137.5	0.8
23	6.5	137.0	0.2
24	6.2	125.7	-0.2

STOP TIME JAN 18,1992 HOUR 23 MINUTE 49

RELEASE NUMBER 92004 CONTAINMENT PURGE

STARTING TIME JAN 19,1992 HOUR 0 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
1	7.8	131.6	-0.2
2	9.3	161.1	-0.5
3	8.7	155.9	-0.6
4	13.5	175.0	-0.2
5	12.6	177.7	-0.1
6	9.0	187.7	-0.2
7	13.8	213.0	1.1
8	17.3	218.2	1.9
9	18.1	217.3	1.9
10	10.9	235.4	-0.6
11	5.9	259.5	-1.0
12	9.3	258.5	-1.1
13	10.5	238.0	-1.2
14	11.2	244.0	-1.2
15	10.7	254.0	-1.1
16	9.7	248.9	-0.9
17	9.9	235.2	-0.6
18	11.8	232.1	0.7
19	11.4	238.7	1.8
20	11.9	234.5	2.5
21	8.8	249.1	2.5
22	4.7	274.9	2.5
23	4.7	307.2	2.7
24	3.5	297.0	2.9

STOP TIME JAN 19,1992 HOUR 23 MINUTE 42

STARTING TIME JAN 20,1992 HOUR 0 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
1	3.4	294.1	2.2
2	3.5	298.1	1.8
3	2.5	306.9	2.1
4	1.9	278.7	1.9
5	1.0	279.1	2.0
6	0.8	205.6	2.6
7	1.3	160.1	3.5
8	0.7	179.0	4.3
9	1.1	331.5	4.5
10	1.7	272.0	1.4
11	4.9	203.5	-1.0
12	7.5	195.4	-1.2
13	9.4	202.3	-1.2
14	9.9	207.5	-1.2
15	10.4	213.3	-1.1

16	9.7	208.7	-1.1
17	8.5	193.2	-0.7
18	7.3	182.3	0.8
19	8.1	190.9	2.4
20	10.0	202.8	2.4
21	9.8	201.4	2.0
22	14.4	214.1	3.9
23	15.5	214.2	4.8
24	6.9	221.7	1.8
1	4.4	125.0	-0.1
2	5.0	182.7	0.5
3	3.5	131.0	-0.3
4	5.8	212.0	0.8
5	4.0	174.0	0.8
6	3.9	184.1	1.2
7	5.8	151.2	2.4
8	5.9	142.9	1.8
9	5.1	119.3	1.4

STOP TIME JAN 21,1992 HOUR 8 MINUTE 56

RELEASE NUMBER 32004 CONTAINMENT PURGE

STARTING TIME JAN 21,1992 HOUR 14 MINUTE 56

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	8.5	172.0	-1.1
15	9.5	179.6	-1.1
16	6.8	152.8	-0.7
17	7.9	118.2	1.5
18	7.1	140.6	1.3
19	9.6	159.6	0.3
20	8.9	173.3	0.7
21	5.1	144.3	1.1
22	1.2	256.0	2.3
23	1.1	176.3	3.4
24	3.8	263.5	2.2
1	4.5	159.3	0.2
2	5.3	131.4	-0.1
3	4.7	137.2	-0.1
4	5.0	142.5	-0.4
5	4.8	146.0	0.1
6	7.5	153.3	-0.2
7	7.2	169.4	-0.3
8	7.2	180.8	-0.3
9	4.1	176.8	-0.6
10	2.5	263.9	-0.5
11	5.8	297.2	-0.8
12	5.8	304.1	-1.0
13	5.8	315.3	-1.0
14	5.9	317.4	-1.0
15	5.9	317.4	-0.9
16	5.9	326.7	-0.8
17	7.7	317.8	-0.3
18	7.5	310.8	-0.2
19	7.6	307.2	-0.1
20	9.0	305.1	-0.2
21	10.1	305.6	-0.3
22	9.3	304.6	-0.3
23	8.6	301.4	-0.3
24	10.2	300.8	-0.2
1	10.0	298.4	-0.3
2	10.5	304.0	-0.4
3	12.0	305.0	-0.5
4	12.3	306.3	-0.5
5	15.5	315.9	-0.6

STOP TIME JAN 23,1992 HOUR 4 MINUTE 24

STARTING TIME JAN 23,1992 HOUR 5 MINUTE 21

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	15.5	315.9	-0.6
6	16.0	322.0	-0.7
7	16.0	326.3	-0.7
8	15.1	322.1	-0.7
9	14.7	323.8	-0.8

STOP TIME JAN 23,1992 HOUR 8 MINUTE 8

RELEASE NUMBER 92005 CONTAINMENT PURGE

STARTING TIME JAN 24,1992 HOUR 18 MINUTE 43

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
18	15.6	160.8	-0.8
19	16.0	162.3	-0.7
20	16.9	168.8	-0.6
21	15.2	177.4	-0.3
22	17.2	184.4	0.1
23	17.4	208.7	1.3
24	10.2	239.0	2.2
1	10.2	244.1	3.2
2	8.9	268.4	1.4
3	9.4	287.5	0.5
4	17.9	317.8	-0.7
5	19.7	318.9	-1.0
6	20.0	327.1	-1.0
7	17.0	327.8	-1.0
8	14.8	329.0	-1.0
9	12.5	325.5	-1.0
10	12.0	331.0	-1.1
11	10.0	333.5	-1.2
12	9.0	332.9	-1.2
13	7.7	336.4	-1.3
14	5.8	325.2	-1.3

STOP TIME JAN 25,1992 HOUR 13 MINUTE 52

STARTING TIME JAN 26,1992 HOUR 10 MINUTE 44

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	18.4	176.2	-0.9
11	15.2	182.4	-1.0
12	18.6	198.5	-1.1
13	16.9	208.5	-1.2
14	15.3	213.6	-1.2
15	13.1	227.1	-1.1
16	12.8	219.1	-1.0
17	9.3	205.2	-0.7
18	6.8	213.9	0.7
19	6.5	231.8	2.5
20	5.8	264.3	3.1
21	3.3	305.6	2.2
22	2.2	272.6	1.5
23	1.7	254.3	2.4
24	2.3	197.5	3.8
1	2.3	196.8	5.3
2	2.0	335.6	5.4
3	1.3	349.6	4.1

4	3.3	298.4	2.2
5	3.5	305.7	0.4
6	5.7	321.2	0.1
7	5.5	319.1	-0.1
8	6.2	329.0	-0.6
9	6.3	342.3	-0.9
10	6.9	346.9	-1.0
11	7.4	346.7	-0.9
12	6.5	344.2	-1.0
13	6.0	342.4	-1.1
14	5.5	348.1	-1.1
15	5.3	345.4	-1.0
16	5.0	348.6	-1.1
17	5.7	351.2	-1.0
18	5.4	3.5	-1.0
19	4.9	15.2	-1.1
20	4.2	356.3	-1.0
21	3.0	8.2	-1.0
22	3.9	73.9	-1.0
23	3.7	294.3	-0.9
24	4.6	140.3	-0.9
1	5.0	140.2	-1.0
2	5.4	168.1	-1.0
3	6.1	151.8	-0.9
4	6.7	165.4	-1.0
5	5.4	165.7	-0.9
6	6.4	155.4	-1.0
7	7.8	162.2	-0.9
8	7.1	161.8	-0.8
9	8.1	169.1	-0.7
10	9.5	168.8	-0.7

STOP TIME JAN 28,1992 HOUR 9 MINUTE 52

RELEASE NUMBER 92005 CONTAINMENT PURGE

STARTING TIME JAN 28,1992 HOUR 16 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	9.9	163.3	-1.1
17	11.2	167.0	-1.0
18	9.9	156.6	-0.7
19	11.6	157.4	-0.5
20	12.5	167.2	-0.3
21	6.0	171.0	-0.3
22	6.8	144.7	-0.4
23	10.9	155.0	-0.5
24	14.9	165.7	-0.4
1	14.1	166.6	-0.1

STOP TIME JAN 29,1992 HOUR 0 MINUTE 51

STARTING TIME JAN 29,1992 HOUR 16 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	3.3	224.5	-1.1
17	4.6	113.8	-0.3
18	3.1	199.1	1.2
19	1.1	278.9	5.2
20	1.0	219.3	6.3
21	0.9	285.0	7.3
22	1.5	152.3	8.4
23	1.8	280.0	6.3
24	1.6	245.4	6.0
1	2.2	343.7	5.8
2	4.2	336.9	3.8

STOP TIME JAN 30,1992 HOUR 1 MINUTE 35

RELEASE NUMBER 92005 CONTAINMENT PURGE

STARTING TIME JAN 30,1992 HOUR 2 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
2	4.2	336.9	3.8
3	2.3	240.2	3.5
4	2.5	240.7	4.1
5	2.2	297.8	3.4
6	1.0	244.0	3.8
7	1.7	284.6	3.5
8	1.5	231.1	3.4
9	1.9	284.6	2.4
10	0.9	285.7	0.5
11	2.7	169.6	-0.2
12	3.4	133.0	-0.5
13	3.3	162.8	-0.9
14	5.5	264.2	-1.2
15	6.3	253.3	-1.2
16	6.5	289.5	-1.0
17	7.6	340.0	-0.8
	3.0	327.4	-0.1
	4.6	308.4	1.0
20	5.1	304.4	2.3
21	4.9	300.5	2.0
22	2.5	277.6	1.2
23	2.1	175.6	0.8
24	1.9	238.9	1.9
1	2.2	284.0	2.0
2	3.0	295.8	1.7
3	3.1	299.9	1.9
4	1.2	206.2	3.3
5	2.1	359.6	3.4
6	0.9	218.9	3.5
7	1.7	179.5	3.3
8	1.5	139.9	3.3
9	1.7	288.3	3.3
10	1.4	333.9	2.2
11	2.7	197.3	-0.2
12	3.7	213.3	-0.9
13	5.9	180.7	-1.1
14	6.8	193.3	-1.1

STOP TIME JAN 31,1992 HOUR 13 MINUTE 56

RELEASE NUMBER G2006 CONTAINMENT PURGE

STARTING TIME FEB 1,1992 HOUR 15 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	10.4	122.7	-0.8
17	7.5	123.0	-0.3
18	4.1	111.9	0.3
19	4.2	140.0	1.0
20	5.4	133.6	1.4
21	5.0	121.4	2.0
22	4.9	111.6	2.7
23	7.1	113.3	2.8
24	5.4	113.5	2.7
1	3.6	71.6	2.3
2	4.7	92.4	1.9
3	4.0	90.2	2.1
4	6.1	97.8	1.6
5	4.6	79.0	1.4
6	4.5	99.7	1.7
7	3.3	96.3	2.4
8	5.7	115.6	1.4
9	5.4	115.4	1.1
10	4.8	111.2	0.1
11	4.6	105.8	0.7
12	4.5	140.5	-0.8
13	8.3	184.0	-1.1
14	9.2	175.9	-1.1
15	10.3	168.8	-1.0
16	9.4	200.4	-0.9
17	6.8	191.5	-0.6
18	8.3	184.1	0.4
19	8.9	177.7	1.2
20	10.5	185.1	0.9
21	9.9	198.2	0.7
22	7.3	173.0	0.7
23	8.0	191.6	0.9
24	9.3	203.0	1.0
1	11.5	214.0	1.1

STOP TIME FEB 3,1992 HOUR 0 MINUTE 10

STARTING TIME FEB 3,1992 HOUR 2 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
2	12.4	216.3	0.9
3	13.8	221.1	0.8
4	11.8	217.8	0.4
5	13.5	228.8	.9
6	8.0	263.5	0.2
7	5.4	270.6	-0.2
8	5.5	280.1	-0.1
9	6.5	292.4	-0.5
10	7.0	293.3	-1.0
11	7.8	294.0	-1.2
12	8.0	289.4	-1.3
13	8.9	296.0	-1.4
14	8.6	293.2	-1.4
15	9.2	301.6	-1.3
16	10.1	311.6	-1.1
17	10.4	322.1	-0.9
18	7.5	330.3	-0.8
19	5.0	335.4	-0.6
20	5.0	343.3	-0.7
21	7.1	336.9	-0.9
22	10.3	328.9	-0.9
23	9.2	338.0	-0.9
24	9.8	342.6	-0.9
1	8.9	341.9	-0.9
2	8.9	337.5	-0.9
3	9.0	345.3	-0.9
4	9.7	346.3	-0.9
5	10.1	339.4	-0.9
6	9.5	346.5	-0.9
7	7.9	350.8	-1.0
8	8.8	345.0	-0.9
9	7.7	348.2	-1.1
10	8.1	343.9	-1.0
11	8.2	347.1	-1.1
12	8.9	347.9	-1.2
13	9.2	354.4	-1.4
14	8.0	349.3	-1.5
15	7.7	352.1	-1.5

STOP TIME FEB 4,1992 HOUR 14 MINUTE 37

RELEASE NUMBER 92006 CONTAINMENT PURGE

STARTING TIME FEB 4,1992 HOUR 14 MINUTE 49

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	8.0	349.3	-1.5
15	7.7	352.1	-1.5
16	7.2	351.7	-1.3
17	5.8	342.7	-1.1

STOP TIME FEB 4,1992 HOUR 16 MINUTE 47

RELEASE NUMBER 92007 CONTAINMENT PURGE

STARTING TIME FEB 4,1992 HOUR 17 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	5.8	342.7	-1.1
18	4.5	333.9	-0.7
19	3.9	311.8	0.5
20	3.1	294.4	0.9

STOP TIME FEB 4,1992 HOUR 19 MINUTE 55

RELEASE NUMBER 92008 CONTAINMENT PURGE

STARTING TIME FEB 4,1992 HOUR 19 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
19	3.9	311.8	0.5
20	3.1	294.4	0.9
21	2.4	239.9	0.7
22	1.8	281.8	1.9
23	1.5	274.4	2.4
24	1.5	315.9	3.1
1	0.8	166.4	3.0
2	0.8	236.7	3.4

STOP TIME FEB 5,1992 HOUR 1 MINUTE 35

RELEASE NUMBER 92009 CONTAINMENT PURGE

STARTING TIME FEB 5,1992 HOUR 1 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
1	0.6	166.4	3.0
2	0.8	236.7	3.4
3	0.8	212.5	3.5
4	1.0	110.7	3.6
5	1.1	125.8	3.4
6	3.1	194.1	2.6
7	4.5	139.7	3.4
8	3.9	127.7	2.7
9	2.9	143.2	1.9

STOP TIME FEB 5,1992 HOUR 8 MINUTE 22

RELEASE NUMBER 92010 CONTAINMENT PURGE

STARTING TIME FEB 5,1992 HOUR 8 MINUTE 22

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	3.9	127.7	2.7
9	2.9	143.2	1.9
10	2.4	182.2	0.1
11	4.4	190.5	-0.8
12	5.3	196.5	-1.1
13	6.8	210.6	-1.1
14	7.5	?19.	-1.2
15	7.1	194.	-1.1
1	7.7	187.3	-1.1
17	6.0	164.8	-0.8
18	7.0	172.9	0.1

STOP TIME FEB 5,1992 HOUR 17 MINUTE 22

RELEASE NUMBER 92011 CONTAINMENT PUR <<

STARTING TIME FEB 5,1992 HOUR 17 MINUTE 22

TIME HOUR	WS10 MPH	WD10 DEG	DT10 DEG C
17	6.0	164.8	-0.8
18	7.0	172.9	0.1
19	10.1	186.8	1.4
20	12.0	204.1	1.8
21	12.9	212.9	2.3
22	14.9	216.8	2.2
23	16.3	222.7	3.6
24	14.3	236.8	3.6

STOP TIME FEB 5,1992 HOUR 23 MINUTE 3

RELEASE NUMBER 92012 CONTAINMENT PURGE

STARTING TIME FEB 6,1992 HOUR 2 MINUTE 26

TIME HOUR	WST0 MPH	WD10 DEG	DT110 DEG C
2	9.8	245.9	1.7
3	8.6	290.3	0.2
4	7.3	322.1	-0.3
5	8.7	333.8	-0.8
6	7.8	349.2	-0.8
7	8.3	351.2	-0.8
8	8.8	338.7	-0.8
9	8.4	339.6	-0.9
10	7.1	338.3	-0.9
11	8.2	337.4	-1.1
12	9.8	338.1	-1.3
13	8.3	341.3	-1.4

STOP TIME FEB 6,1992 HOUR 12 MINUTE 10

RELEASE NUMBER 92013 CONTAINMENT PURGE

STARTING TIME FEB 6,1992 HOUR 12 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	9.8	338.1	-1.3
13	8.3	341.2	-1.4
14	8.1	334.2	-1.5
15	9.2	325.9	-1.5
16	9.3	325.6	-1.4
17	9.3	321.3	-1.1
18	6.9	318.2	-0.4
19	5.4	325.3	0.4
20	4.1	313.6	1.3
21	3.0	290.8	1.1
22	3.9	292.0	1.5
23	3.4	289.2	1.1

STOP TIME FEB 6,1992 HOUR 22 MINUTE 43

RELEASE NUMBER 92014 CONTAINMENT PURGE

STARTING TIME FEB 6,1992 HOUR 22 MINUTE 43

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
22	3.9	292.0	1.5
23	3.4	289.2	1.1
24	3.1	284.5	1.2
1	3.3	286.6	1.0
2	3.3	289.9	1.3

STOP TIME FEB 7,1992 HOUR 1 MINUTE 2F

RELEASE NUMBER 92015 CONTAINMENT PURGE

STARTING TIME FEB 7,1992 HOUR 5 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	4.6	301.8	1.2
6	5.3	308.5	0.5
7	6.9	316.8	0.6
8	5.4	314.1	0.9
9	5.3	331.4	-0.4
10	8.0	342.1	-1.0
11	9.1	344.6	-1.1

STOP TIME FEB 7,1992 HOUR 10 MINUTE 25

RELEASE NUMBER 92016 CONTAINMENT PURGE

STARTING TIME FEB 7,1992 HOUR 12 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	10.2	347.1	-1.2
13	9.1	344.7	-1.3
14	9.5	346.9	-1.3
15	8.1	354.6	-1.4
16	7.3	336.5	-1.1
17	7.4	319.7	-1.0
18	9.4	325.9	-0.9
19	7.5	321.9	-0.8

STOP TIME FEB 7,1992 HOUR 18 MINUTE 50

RELEASE NUMBER 92017 CONTAINMENT PURGE

STARTING TIME FEB 7,1992 HOUR 18 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
18	9.4	325.9	-0.9
19	7.5	321.8	-0.8
20	5.4	311.1	-0.7
21	6.0	320.6	-0.6
22	9.4	327.6	-0.8
23	8.2	350.8	-0.9
24	7.5	351.3	-0.9
1	6.4	358.0	-0.8
2	8.1	2.3	-1.0
3	7.5	5.4	-1.1
4	9.2	3.9	-1.0
5	7.9	2.8	-0.9
6	6.1	1.8	-1.0
7	3.8	13.7	-0.5
8	3.0	358.2	-0.5
9	4.8	4.8	-0.9

STOP TIME FEB 8,1992 HOUR 8 MINUTE 25

RELEASE NUMBER 92018 CONTAINMENT PURGE

STARTING TIME FEB 8,1992 HOUR 8 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	3.0	358.2	-0.5
9	4.8	4.8	-0.9
10	5.7	1.7	-1.1
11	6.6	354.3	-1.3
12	6.3	347.6	-1.1
13	5.4	356.8	-1.3
14	4.7	345.8	-1.3
15	4.8	1.2	-1.4
16	3.6	355.5	-1.2
17	3.5	356.5	-1.1

STOP TIME FEB 8,1992 HOUR 16 MINUTE 50

RELEASE NUMBER 92019 CONTAINMENT PURGE

STARTING TIME FEB 8,1992 HOUR 16 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	3.6	355.5	-1.2
17	3.5	356.5	-1.1
18	2.4	333.2	-0.9
19	1.9	330.6	-0.8
20	1.9	4.7	-0.8
21	3.0	179.2	-0.9
22	7.0	115.2	-0.9
23	6.7	116.4	-0.9
24	6.8	125.2	-1.0
1	8.0	120.8	-0.9
2	9.4	122.7	-0.9
3	10.3	122.6	-1.0
4	10.9	125.7	-0.9
5	10.3	127.9	-0.8
6	10.5	130.3	-0.9
7	10.8	131.8	-0.9
8	11.0	131.5	-0.8
9	11.2	132.8	-1.0
10	11.5	139.4	-1.0
11	13.7	139.6	-1.1
12	14.6	139.2	-1.2
13	13.0	136.2	-1.1
14	14.3	139.2	-1.2
15	13.6	135.4	-1.2
16	12.8	137.2	-1.2
17	10.8	134.5	-1.0
18	8.3	136.8	-0.4
19	8.8	136.6	-0.2
20	7.9	125.1	0.2
21	7.3	116.6	0.2
22	6.4	116.8	0.6
23	5.9	125.2	1.6
24	7.6	127.1	2.0
1	8.4	141.8	0.8
2	14.3	168.7	-0.1
3	15.7	194.2	0.1
4	16.7	199.0	0.3
5	15.8	194.3	0.5
6	13.7	196.8	0.3
7	9.7	209.8	-0.1
8	5.9	243.7	-0.3
9	6.4	286.8	-0.6

STOP TIME FEB 10,1992 HOUR 8 MINUTE 31

RELEASE NUMBER 92020 CONTAINMENT PURGE

STARTING TIME FEB 10,1992 HOUR 9 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	6.4	286.8	-0.6
10	7.5	315.9	-0.9
11	8.7	326.2	-1.2

STOP TIME FEB 10,1992 HOUR 10 MINUTE 25

RELEASE NUMBER 92021 CONTAINMENT PURGE

STARTING TIME FEB 10,1992 HOUR 12 MINUTE 29

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	8.3	335.6	-1.3
13	8.4	342.7	-1.4
14	8.2	345.7	-1.5
15	8.0	348.5	-1.4
16	7.8	350.4	-1.1
17	7.6	353.4	-0.9
18	6.9	357.1	-0.9
19	5.4	357.4	-0.8
20	4.9	342.3	-0.8
21	4.8	341.8	-0.8
22	4.6	359.9	-0.5
23	3.1	357.9	-0.1
24	2.3	0.9	0.2
1	3.7	328.2	0.3
2	2.8	6.1	-0.3
3	5.0	12.1	-0.4
4	4.8	4.6	-0.6
5	4.9	5.3	-0.7
6	5.6	1.9	-0.9
7	6.1	35.8	-1.0
8	6.1	49.4	-1.0
9	6.4	42.0	-1.2
10	7.1	37.0	-1.3
11	8.1	42.0	-1.4
12	9.1	47.2	-1.5

STOP TIME FEB 11,1992 HOUR 11 MINUTE 5

STARTING TIME FEB 11,1992 HOUR 12 MINUTE 37

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	9..	47.2	-1.5
13	10.6	70.8	-1.4
14	9.6	75.4	-1.5
15	9.0	68.8	-1.4
16	8.9	55.7	-1.2
17	8.8	61.6	-1.1
18	9.1	68.8	-1.0
19	7.9	66.5	-0.9
20	8.5	55.8	-1.0
21	8.4	63.6	-1.0
22	8.7	71.8	-1.0
23	6.7	73.9	-0.9
24	6.9	72.9	-0.9
1	5.5	62.0	-0.9

2	3.8	41.0	-0.9
3	5.1	61.1	-0.9
4	6.1	73.5	-0.9
5	5.6	83.6	-0.9
6	7.2	86.7	-0.9
7	7.1	87.9	-0.9
8	6.8	88.6	-1.0
9	5.7	85.0	-1.0
10	6.5	95.8	-1.0
11	6.0	95.4	-1.0
12	5.7	101.5	-1.0
13	5.3	108.6	-1.0
14	4.3	4.4	-1.0
15	5.1	110.0	-1.0
16	6.0	125.0	-0.9

STOP TIME FEB 12,1992 HOUR 15 MINUTE 30

RELEASE NUMBER 92021 CONTAINMENT PURGE

STARTING TIME FEB 12,1992 HOUR 15 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
15	5.1	110.0	-1.0
16	6.0	125.0	-0.9
17	6.8	138.6	-0.8
18	5.7	140.8	-0.9
19	6.5	139.9	-0.9
20	5.3	163.1	-0.9
21	6.5	169.8	-0.9
22	7.2	176.3	-1.0
23	7.3	190.6	-0.8
24	7.1	183.0	-0.9
1	7.9	179.1	-0.9
2	6.3	178.1	-0.8
3	5.9	183.7	-0.8
4	4.5	186.6	-0.7
5	5.8	218.3	-0.5
6	4.5	242.7	-0.9
7	4.4	213.2	-0.9
8	4.6	223.6	-0.8
9	4.0	245.7	-0.9
10	6.3	258.9	-1.0
[illegible]	4.4	251.5	-1.1
[illegible]	4.7	227.3	-1.1
[illegible]	4.1	196.7	-1.0
[illegible]	4.6	198.8	-1.1
15	6.9	165.8	-1.2
16	6.8	202.8	-1.1
17	6.6	173.7	-1.0
18	6.1	167.6	-0.9
19	6.4	160.7	-0.9
20	7.4	130.5	-0.9
21	8.5	130.2	-0.6
22	7.3	121.4	-0.6
23	3.7	90.5	-0.5
24	2.2	57.5	-0.3
1	1.4	261.6	-0.1
2	2.4	7.7	-0.2
3	6.9	99.3	-0.4
4	10.8	105.6	-0.6
5	10.9	111.2	-0.5
6	9.2	110.2	-0.5
7	9.3	113.2	-0.6
8	10.8	103.2	-0.8
9	9.5	97.3	-0.8
10	8.5	91.0	-0.9
11	9.8	98.4	-1.0
12	8.3	92.5	-0.9
13	6.6	100.9	-0.8
14	6.6	90.6	-1.0
15	7.2	262.7	-0.9

6.3 77.2 -0.9

STOP TIME FEB 14,1992 HOUR 15 MINUTE 38

RELEASE NUMBER 92023 CONTAINMENT PURGE

STARTING TIME FEB 14,1992 HOUR 15 MINUTE 38

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
15	7.2	262.7	-0.9
16	6.3	77.2	-0.9
17	5.0	54.8	-0.9
18	2.6	20.4	-0.7
19	3.1	24.2	-0.5
20	3.1	26.1	-0.6
21	2.8	351.9	-0.7
22	3.7	330.8	-0.7
23	4.3	325.0	-0.6
24	5.6	327.2	-0.5
1	4.1	328.6	-0.6
2	3.8	330.2	-0.6
3	4.7	323.3	-0.6
4	5.8	331.3	-0.7

STOP TIME FEB 15,1992 HOUR 3 MINUTE 52

RELEASE NUMBER 92024 CONTAINMENT PURGE

STARTING TIME FEB 15,1992 HOUR 7 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
7	7.6	327.2	-0.8
8	5.0	323.8	-0.6
9	4.8	319.5	-0.5
10	4.2	315.4	-0.5
11	4.6	304.3	-0.7
12	4.8	303.7	-0.9

STOP TIME FEB 15,1992 HOUR 11 MINUTE 29

RELEASE NUMBER 92025 CONTAINMENT PURGE

STARTING TIME FEB 15,1992 HOUR 11 MINUTE 29

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	4.6	304.3	-0.7
12	4.8	303.7	-0.9
13	5.3	298.8	-1.2
14	5.5	284.0	-1.2
15	5.6	269.4	-1.2
16	5.5	272.8	-1.2
17	6.0	286.3	-1.2
18	6.0	292.5	-1.0
19	4.0	294.2	-0.8
20	3.6	282.7	-0.8
21	2.9	278.9	-0.6
22	3.3	260.0	-0.7
23	3.8	237.3	-0.6
24	3.8	150.6	-0.5
1	4.7	114.2	-0.5
2	4.7	129.5	-0.6
3	5.2	129.3	-0.5
4	4.5	130.8	-0.5
5	6.0	127.6	-0.6
6	6.4	130.8	-0.6
7	6.9	132.8	-0.7
8	6.7	128.3	-0.5
9	9.3	128.8	-0.6
10	8.1	122.1	-0.7
11	9.1	130.3	-0.8
12	9.2	132.1	-1.1
13	13.3	156.2	-1.2
14	13.8	154.8	-1.1
15	14.6	144.1	-1.1
16	14.1	140.4	-0.9

STOP TIME FEB 16,1992 HOUR 15 MINUTE 29

RELEASE NUMBER 92026 CONTAINMENT PURGE

STARTING TIME FEB 16,1992 HOUR 23 MINUTE 57

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
23	16.0	153.7	-0.6
24	14.1	145.3	-0.5
1	10.7	139.6	-0.4
2	12.6	159.2	-0.6
3	13.0	155.0	-0.6
4	8.9	123.5	-0.3
5	8.5	109.7	-0.5
6	11.8	119.5	-0.6
7	10.2	105.4	-0.7
8	13.0	111.0	-0.7
9	10.1	104.6	-0.9
10	8.0	107.6	-0.8

STOP TIME FEB 17,1992 HOUR 9 MINUTE 3

RELEASE NUMBER 92D27 CONTAINMENT PURGE

STARTING TIME FEB 17,1992 HOUR 9 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	10.1	104.6	-0.9
10	8.0	107.6	-0.8
11	8.0	101.6	-0.8
12	9.9	96.7	-0.8
13	9.3	104.3	-0.8
14	8.3	98.1	-0.8
15	7.4	91.2	-0.8
16	8.8	97.9	-0.9
17	9.6	96.9	-0.8
18	6.9	90.7	-0.7
19	5.0	72.9	-0.7
20	7.7	59.3	-0.7
21	7.1	72.0	-0.7
22	4.7	40.9	-0.8

STOP TIME FEB 17,1992 HOUR 21 MINUTE 41

RELEASE NUMBER 92029 CONTAINMENT PURGE

STARTING TIME FEB 18,1992 HOUR 11 MINUTE 13

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	8.0	331.0	-0.9
12	8.2	329.7	-0.9
13	8.6	329.8	-0.9
14	9.4	330.0	-0.9

STOP TIME FEB 18,1992 HOUR 13 MINUTE 48

RELEASE NUMBER 92030 CONTAINMENT PURGE

STARTING TIME FEB 18,1992 HOUR 16 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	9.9	325.8	-0.8
17	11.0	326.0	-1.0
18	8.7	320.7	-0.8
19	8.9	312.4	-0.7
20	8.2	310.9	-0.7
21	9.6	313.2	-0.7
22	8.7	311.6	-0.8
23	9.3	313.8	-0.8
24	9.5	312.5	-0.7
1	8.8	310.6	-0.6
2	9.1	314.1	-0.7
3	9.1	307.7	-0.7
4	9.4	311.3	-0.8
5	8.7	310.5	-0.9
6	9.2	312.7	-0.8
7	9.3	310.9	-0.9
8	7.9	315.8	-0.9
9	8.3	312.9	-0.9
10	8.9	309.4	-0.9
11	9.0	302.8	-1.1
12	7.9	305.7	-1.2
13	6.5	314.1	-1.2
14	5.5	288.2	-1.2
15	4.9	272.9	-1.2
16	5.8	265.2	-1.1
17	3.8	289.4	-1.0
18	2.5	136.8	-0.8
19	4.1	131.3	0.1
20	4.0	129.2	0.7
21	6.9	119.3	0.7
22	7.0	130.7	0.3
23	7.5	146.5	0.2
24	9.5	146.1	0.5
1	13.6	159.7	-0.4
2	15.1	164.9	-0.5
3	16.9	175.5	-0.1
4	19.2	182.1	0.1
5	15.8	182.2	0.3
6	15.3	191.8	0.4
7	18.8	203.3	0.3
8	14.7	209.0	0.3
9	9.8	227.9	0.1
10	5.4	273.7	-0.7
11	6.1	310.8	-1.1
12	7.9	331.5	-1.3
13	8.9	337.2	-1.3
14	8.3	334.8	-1.3
15	8.0	341.9	-1.3
16	7.5	343.5	-1.3

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17        7.2      354.5       -1.0

          STOP TIME     FEB  20,1992     HOUR 16 MINUTE 42
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RELEASE NUMBER 92031 CONTAINMENT PURGE

STARTING TIME FEB 20,1992 HOUR 16 MINUTE 47

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	7.5	343.5	-1.3
17	7.2	354.5	-1.0
18	6.3	353.1	-0.9
19	6.2	359.1	-0.7
20	6.8	351.6	-0.9

STOP TIME FEB 20,1992 HOUR 19 MINUTE 8

STARTING TIME FEB 20,1992 HOUR 21 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
21	5.5	357.2	-0.9
22	6.0	358.3	-0.9
23	6.4	356.8	-0.8
24	6.8	1.8	-0.9
1	5.4	2.0	-0.7
2	4.0	18.0	-0.6
3	4.0	44.4	-0.4
4	3.5	12.5	-0.5
5	3.0	43.2	-0.4
6	3.5	47.7	-0.6
7	4.4	67.2	-0.8
8	5.0	77.8	-0.9
9	7.0	79.4	-1.0
10	6.1	70.7	-1.1

STOP TIME FEB 21,1992 HOUR 9 MINUTE 20

RELEASE NUMBER 92032 CONTAINMENT PURGE

STARTING TIME FEB 21,1992 HOUR 17 MINUTE 8

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	5.0	68.9	-1.1
18	5.9	86.4	-1.0
19	3.6	59.3	-0.9
20	2.1	357.4	-0.4
21	1.9	289.5	-0.3
22	2.1	14.4	0.2
23	1.1	248.4	0.5
24	1.6	261.8	0.3
1	2.1	272.2	0.8
2	1.2	230.4	1.4
3	0.9	295.9	1.9
4	1.6	269.9	1.5
5	1.7	235.8	1.0
6	1.0	217.8	1.6
7	1.5	293.2	2.0
8	0.9	240.9	1.7
9	1.6	268.4	0.7
10	1.8	303.3	-0.5
11	3.5	268.0	-0.8
12	5.0	291.4	-1.1
13	3.9	167.1	-1.2
14	5.9	100.1	-1.3
15	6.5	99.2	-1.2
16	7.0	106.4	-1.2
17	8.1	133.3	-1.1
18	4.8	136.0	-0.7
19	2.2	134.3	1.1
20	2.9	128.0	2.2
21	1.6	223.9	3.5
22	1.7	188.0	3.9
23	4.3	109.1	2.2
24	2.3	164.7	2.
1	1.6	270.9	2.
2	1.5	195.2	2.0
3	0.8	130.8	0.5

STOP TIME FEB 23,1992 HOUR 2 MINUTE 12

STARTING TIME FEB 23,1992 HOUR 9 MINUTE 49

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	3.2	92.0	-0.4
10	3.7	2.5	-0.9
11	4.4	64.2	-1.2
12	5.2	70.9	-1.2
13	3.9	359.7	-1.1
14	4.3	14.0	-1.2
15	4.9	36.9	-1.2
16	4.5	16.8	-1.3
17	5.0	46.3	-1.0
18	5.5	61.9	-0.8
19	5.3	68.4	-0.8
20	4.6	49.3	-0.8
21	3.8	40.0	-0.8
22	3.3	4.5	-0.7
23	3.6	337.6	-1.0
24	3.7	337.3	-0.8
1	5.3	334.1	-0.9
2	6.3	333.5	-0.8
3	6.4	329.2	-0.8
4	7.5	321.1	-0.5
5	7.2	323.4	-0.4
6	7.9	328.7	-0.6
7	8.2	332.9	-0.9
8	5.2	334.7	-0.8
9	0.7	327.1	-1.0
10	2.8	330.4	-1.0
11	8.7	327.0	-1.0
12	11.6	320.1	-1.1
13	11.1	321.2	-1.3
14	11.0	325.6	-1.4
15	11.6	328.3	-1.4
16	10.1	329.7	-1.3

STOP TIME FEB 24,1992 HOUR 15 MINUTE 48

RELEASE NUMBER 92033 CONTAINMENT PURGE

STARTING TIME FEB 24,1992 HOUR 15 MINUTE 48

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
15	11.6	328.3	-1.4
16	10.1	329.7	-1.3
17	9.9	330.1	-1.2
18	6.5	343.7	-0.8
19	3.0	355.0	-0.6
20	2.0	263.7	-0.1
21	1.5	253.8	0.1
22	2.3	270.5	0.6
23	2.4	297.5	1.2
24	1.8	286.3	0.7
1	3.2	306.2	0.4
2	4.3	318.0	0.4
3	4.6	319.3	0.5
4	6.4	317.7	-0.1
5	7.7	326.3	-0.4
6	7.7	326.6	-0.5

STOP TIME FEB 25,1992 HOUR 5 MINUTE 45

RELEASE NUMBER 92034 CONTAINMENT PURGE

STARTING TIME FEB 25,1992 HOUR 13 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
13	7.6	346.6	-1.4
14	7.2	345.4	-1.6
15	8.0	339.5	-1.5
16	8.4	339.6	-1.4
17	7.5	340.9	-1.0

STOP TIME FEB 25,1992 HOUR 16 MINUTE 25

STARTING TIME FEB 25,1992 HOUR 16 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	8.4	339.6	-1.4
17	7.5	340.9	-1.0
18	5.1	346.7	-0.9
19	3.6	317.2	0.3
20	2.6	294.6	0.7

STOP TIME FEB 25,1992 HOUR 19 MINUTE 34

RELEASE NUMBER 92035 CONTAINMENT PURGE

STARTING TIME FEB 25,1992 HOUR 20 MINUTE 54

TIME HOUR	WS10 MPH	WD10 DEG	DT10 DEG C
20	2.6	294.6	0.7
21	1.6	274.7	0.7
22	1.4	253.7	0.7
23	1.6	216.4	1.6
24	1.5	166.9	3.7
1	3.3	196.7	3.7
2	4.1	218.1	1.4
3	5.2	268.7	0.6
4	2.9	282.3	1.3
5	2.6	309.0	1.3
6	3.6	253.8	1.8
7	5.1	235.7	0.6
8	2.8	216.9	1.0
9	4.4	278.3	0.6

STOP TIME FEB 26,1992 HOUR 8 MINUTE 19

RELEASE NUMBER 92036 CONTAINMENT PURGE

STARTING TIME FEB 26,1992 HOUR 8 MINUTE 19

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	2.8	216.9	1.0
9	4.4	278.3	0.6
10	5.8	282.4	-0.2
11	7.4	287.4	-0.9
12	7.7	304.0	-1.3

STOP TIME FEB 26,1992 HOUR 11 MINUTE 45

STARTING TIME FEB 26,1992 HOUR 12 MINUTE 9

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	7.7	304.0	-1.3
13	7.6	309.3	-1.4
14	9.8	321.9	-1.4
15	6.6	325.0	-1.5
16	7.2	325.0	-1.5
17	6.0	325.0	-1.4
18	4.8	325.0	-1.1
19	3.6	325.0	-1.0
20	4.5	340.0	-1.0
21	5.4	350.0	-1.0
22	6.0	360.0	-1.0
23	6.3	355.0	-1.0
24	6.9	345.0	-1.0
1	7.2	340.0	-1.0
2	6.6	345.0	-1.0
3	6.0	345.0	-1.
4	5.4	350.0	-1.0
5	4.5	340.0	-0.4
6	3.6	330.0	0.8
7	2.4	320.0	-0.5
8	3.0	330.0	-1.2
9	3.6	340.0	-1.5
10	4.2	350.0	-1.5
11	4.5	335.0	-1.6
12	5.1	325.0	-1.7
13	5.4	315.0	-1.7
14	5.7	315.0	-1.6
15	5.7	315.0	-1.5
16	6.0	315.0	-1.0
17	4.8	320.0	-0.6
18	3.6	320.0	1.0
19	2.4	325.0	1.5
20	2.4	310.0	2.0

STOP TIME FEB 27,1992 HOUR 19 MINUTE 33

RELEASE NUMBER 92036 CONTAINMENT PURGE

STARTING TIME FEB 28,1992 HOUR 12 MINUTE 19

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	11.7	330.0	-1.5
13	12.0	325.0	-1.4
14	11.7	325.0	-1.2
15	11.1	325.0	-1.0
16	10.8	325.0	-1.0
17	8.7	340.0	-0.8
18	6.6	355.0	-0.1
19	4.2	5.0	0.8
20	3.3	10.0	1.5
21	2.4	25.0	1.9
22	2.0	30.0	2.5
23	2.0	40.0	3.0
24	2.0	50.0	3.5
1	2.0	50.0	4.1
2	2.0	95.0	4.1
3	2.0	140.0	4.1
4	2.0	185.0	4.1
5	2.1	165.0	4.1

STOP TIME FEB 29,1992 HOUR 4 MINUTE 32

RELEASE NUMBER 92037 CONTAINMENT PURGE

STARTING TIME FEB 29,1992 HOUR 4 MINUTE 32

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
4	2.0	185.0	4.1
5	2.1	165.0	4.1
6	2.1	145.0	4.1
7	2.4	115.0	-0.5
8	3.3	130.0	-1.0
9	4.5	150.0	-1.3
10	5.4	165.0	-1.6
11	6.3	170.0	-1.6
12	7.2	170.0	-1.7

STOP TIME FEB 29,1992 HOUR 11 MINUTE 43

STARTING TIME FEB 29,1992 HOUR 13 MINUTE 43

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
13	7.8	175.0	-1.7
14	7.8	175.0	-1.6
15	7.8	175.0	-1.6
16	7.8	175.0	-1.3
17	6.6	175.0	-1.0
18	5.7	175.0	-0.2
19	4.8	175.0	0.8
20	5.7	175.0	1.6
21	6.6	175.0	2.0
22	7.2	175.0	2.5
23	7.2	175.0	2.5
24	7.2	175.0	2.5
1	6.0	180.0	3.0
2	6.0	185.0	3.0
3	6.0	185.0	3.0
4	6.0	195.0	3.0
5	5.7	205.0	3.2
6	5.7	215.0	3.4
7	5.4	225.0	-0.6
8	5.1	230.0	-1.5
9	5.1	230.0	-1.5
10	4.8	235.0	-1.7
11	4.2	225.0	-1.7
12	3.6	215.0	-1.8
13	3.0	205.0	-1.8
14	3.3	235.0	-1.7
15	3.9	270.0	-1.7
16	4.2	295.0	-1.7
17	3.9	325.0	-1.5
18	3.3	345.0	-1.0

19	3.0	5.0	-0.1
20	2.7	50.0	0.7
21	2.7	100.0	1.5
22	2.4	135.0	2.5
23	2.7	130.0	2.9
24	3.3	130.0	3.5
1	3.6	135.0	3.5
2	3.6	155.0	3.5

STOP TIME MAR 2,1992 HOUR 1 MINUTE 55

RELEASE NUMBER 92037 CONTAINMENT PURGE

STARTING TIME MAR 2,1992 HOUR 3 MINUTE 31

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
3	3.6	175.0	3.6
4	3.6	195.0	3.8
5	3.3	199.0	4.1
6	3.3	202.0	4.1
7	3.0	205.0	1.0
8	3.3	202.0	-1.0
9	3.9	199.0	-1.5
10	4.2	195.0	-1.5
11	3.9	200.0	-1.6
12	3.3	210.0	-1.7
13	3.0	215.0	-1.7
14	3.3	205.0	-1.7
15	3.3	195.0	-1.6
16	3.6	185.0	-1.5
17	3.3	145.0	-1.2
18	2.7	105.0	-0.5
19	2.4	75.0	0.8
20	2.4	70.0	2.1
21	2.4	70.0	3.0
22	2.4	65.0	3.5
23	2.7	70.0	4.1
24	2.7	80.0	4.1
1	3.0	85.0	4.1
2	2.7	80.0	4.1
3	2.7	80.0	4.1
4	2.4	75.0	4.1
5	3.0	70.0	4.1
6	3.6	60.0	4.1
7	4.2	55.0	1.5
8	3.6	50.0	-1.0
9	3.0	40.0	-1.4
10	2.4	35.0	-1.7
11	2.4	40.0	-1.7

STOP TIME MAR 3,1992 HOUR 10 MINUTE 44

STARTING TIME MAR 3,1992 HOUR 11 MINUTE 29

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	2.4	40.0	-1.7
12	2.4	40.0	-1.7
13	2.4	45.0	-1.7
14	2.7	40.0	-1.6
15	3.6	40.0	-1.6
16	4.8	35.0	-1.5
17	4.2	45.0	-1.0
18	3.6	55.0	-0.5
19	3.0	65.0	2.0
20	2.7	55.0	2.0
21	2.7	45.0	2.5
22	2.4	35.0	2.7

STOP TIME MAR 3,1992 HOUR 21 MINUTE 11

RELEASE NUMBER 92037 CONTAINMENT PURGE

STARTING TIME MAR 4,1992 HOUR 6 MINUTE 23

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	2.7	70.0	-1.0
7	3.0	85.0	-1.0
8	3.0	100.0	-1.0
9	3.0	120.0	-1.0
10	3.0	135.0	-1.0
11	3.3	135.0	-1.0
12	3.3	135.0	-1.0
13	3.6	135.0	-1.0
14	3.3	130.0	-1.0
15	3.3	130.0	-1.0

STOP TIME MAR 4,1992 HOUR 1- MINUTE 29

RELEASE NUMBER 92038 CONTAINMENT PURGE

STARTING TIME MAR 4,1992 HOUR 15 MINUTE 19

TIME HOUR	WS10 MPH	WD10 DEG	DT11D DEG C
15	3.3	130.0	-1.0
16	3.0	125.0	-1.0
17	3.6	140.0	-1.0
18	4.2	150.0	-1.0
19	4.8	165.0	-1.0
20	4.2	155.0	-1.0
21	3.6	145.0	-1.0
22	3.0	135.0	-1.0
23	3.3	135.0	-1.0
24	3.3	135.0	-1.0
1	3.6	135.0	-1.0
2	3.6	135.0	-1.0
3	3.6	135.0	-1.0
4	3.6	135.0	-1.0
5	3.3	135.0	-1.0
6	2.7	135.0	-1.0

STOP TIME MAR 5,1992 HOUR 5 MINUTE 29

RELEASE NUMBER 92039 CONTAINMENT PURGE

STARTING TIME MAR 5,1992 HOUR 6 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	2.7	135.0	-1.0
7	2.4	135.0	-1.0
8	2.7	140.0	-1.0
9	3.3	140.0	-1.0
10	3.6	145.0	-1.0
11	3.3	95.0	-1.0
12	3.3	50.0	-1.0
13	3.0	10.0	-1.0
14	2.7	50.0	-1.0
15	2.1	85.0	-1.0
16	2.0	120.0	-1.0
17	2.7	145.0	-1.0
18	3.3	175.0	-1.0
19	4.2	205.0	-1.0
20	3.6	185.0	-1.0
21	3.0	155.0	-1.0
22	2.4	135.0	-1.0
23	2.4	135.0	-1.0
24	2.4	135.0	-1.0
1	2.4	135.0	-1.0
2	2.4	135.0	-1.0
3	2.4	135.0	-1.0
4	2.4	135.0	-1.0
5	2.4	130.0	-1.0
6	2.4	130.0	-1.0
7	2.4	125.0	-1.0
8	2.7	155.0	-1.0
9	2.7	180.0	-1.0
10	3.0	205.0	-1.0

STOP TIME MAR 6,1992 HOUR 9 MINUTE 25

RELEASE NUMBER 92040 CONTAINMENT PURGE

STARTING TIME MAR 6,1992 HOUR 9 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	2.7	180.0	-1.0
10	3.0	205.0	-1.0
11	3.3	230.0	-1.0
12	3.3	250.0	-1.0
13	3.6	275.0	-1.0
14	4.8	280.0	-1.0
15	6.0	280.0	-1.0
16	7.2	295.0	-1.0
17	6.3	300.0	-1.0
18	5.7	300.0	-1.0

STOP TIME MAR 6,1992 HOUR 17 MINUTE 56

STARTING TIME MAR 6,1992 HOUR 18 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
18	5.7	300.0	-1.0
19	4.8	305.0	-1.0
20	5.1	310.0	-1.0
21	5.7	310.0	-1.0
22	6.0	315.0	-1.0
23	6.6	315.0	-1.0
24	6.0	315.0	-1.0
1	6.0	315.0	-1.0
2	6.0	310.0	-1.0
3	6.0	310.0	-1.0
4	6.0	305.0	-1.0
5	5.1	310.0	-1.0
6	4.2	310.0	-1.0
7	3.6	315.0	-1.0
8	3.9	315.0	-1.0
9	3.9	315.0	-1.0
10	4.2	315.0	-1.0
11	3.9	290.0	-1.7
12	3.3	265.0	-1.7
13	3.0	235.0	-1.7
14	2.7	225.0	-1.7
15	2.7	215.0	-1.6
16	2.4	205.0	-1.2
17	2.1	165.0	-1.0

STOP TIME MAR 7,1992 HOUR 16 MINUTE 48

RELEASE NUMBER 92040 CONTAINMENT PURGE

STARTING TIME MAR 7,1992 HOUR 17 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	2.1	165.0	-1.0
18	2.1	115.0	-0.5
19	2.0	75.0	1.2
20	2.1	90.0	2.1
21	2.7	100.0	2.7
22	3.0	125.0	4.1
23	3.0	120.0	4.1
24	3.0	120.0	4.1
1	3.0	115.0	4.1
2	3.3	105.0	3.9
3	3.3	95.0	3.5
4	3.6	90.0	3.0
5	3.6	90.0	2.8
6	3.6	90.0	2.4
7	3.6	90.0	-0.5
8	3.0	65.0	-0.7
9	2.4	35.0	-1.0
10	2.0	5.0	-1.0
11	2.7	30.0	-1.4
12	3.9	60.0	-1.6
13	4.8	85.0	-1.7
14	3.9	85.0	-1.7
15	3.3	85.0	-1.7
16	2.4	85.0	-1.7
17	3.3	75.0	-1.5
18	3.9	65.0	-1.2
19	4.8	55.0	-1.0
20	4.2	35.0	-1.0
21	3.6	15.0	-1.0
22	3.0	355.0	-1.0
23	3.3	15.0	-1.0
24	3.3	25.0	-1.0
1	3.6	35.0	-1.0
2	5.1	30.0	-1.0
3	6.9	30.0	-1.0
4	8.4	25.0	-1.0
5	10.5	30.0	-1.0
6	12.6	40.0	-1.0
7	14.4	45.0	-1.0
8	15.3	40.0	-1.0
9	15.9	30.0	-1.0
10	16.8	25.0	-1.0
11	16.8	20.0	-1.0
12	16.8	20.0	-1.0
13	16.8	15.0	-1.0
14	16.5	10.0	-1.0
15	15.9	360.0	-1.0
16	15.6	355.0	-1.0
17	15.6	355.0	-1.0

18	15.6	355.0	-1.0
19	15.6	355.0	-1.0
20	15.6	360.0	-1.0
21	15.6	10.0	-1.0

STOP TIME MAR 9,1992 HOUR 20 MINUTE 38

STARTING TIME MAR 9,1992 HOUR 20 MINUTE 47

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
20	15.6	360.0	-1.0
21	15.6	10.0	-1.0
22	15.6	15.0	-1.0
23	13.2	15.0	-1.0
24	10.8	15.0	-1.0
1	9.0	15.0	1.0
2	8.4	10.0	1.2
3	7.8	10.0	1.6

STOP TIME MAR 10,1992 HOUR 2 MINUTE 22

RELEASE NUMBER 9204U CONTAINMENT PURGE

STARTING TIME MAR 10,1992 HOUR 3 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
3	7.8	10.0	1.6
4	7.2	5.0	1.7
5	7.2	360.0	1.8
6	7.2	360.0	1.7
7	7.2	355.0	-0.5
8	7.5	350.0	-0.9
9	8.1	350.0	-1.2
10	8.4	345.0	-1.5
11	8.4	345.0	-1.6
12	8.4	345.0	-1.6
13	8.4	345.0	-1.7
14	8.1	350.0	-1.7
15	7.5	350.0	-1.6
16	7.2	355.0	-1.5
17	6.3	350.0	-1.4

STOP TIME MAR 10,1992 HOUR 16 MINUTE 15

STARTING TIME MAR 10,1992 HOUR 17 MINUTE 14

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	6.3	350.0	-1.4
18	5.1	350.0	-1.3
19	4.2	345.0	1.0
20	3.3	320.0	2.8
21	2.4	295.0	3.5
22	2.0	270.0	4.1
23	2.0	240.0	4.1
24	2.1	220.0	4.1
1	2.4	195.0	3.0
2	2.7	190.0	2.0
3	3.3	180.0	1.0
4	3.6	175.0	-1.0
5	3.9	190.0	-1.0
6	3.9	200.0	-1.0
7	4.2	215.0	-1.0
8	3.9	225.0	-1.0
9	3.9	235.0	-1.0
10	3.6	250.0	-1.0
11	3.9	265.0	-1.0
12	3.9	280.0	-1.0

STOP TIME MAR 11,1992 HOUR 11 MINUTE 38

RELEASE NUMBER 92041 CONTAINMENT PURGE

STARTING TIME MAR 11,1992 HOUR 11 MINUTE 38

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	3.9	265.0	-1.0
12	3.9	280.0	-1.0
13	4.2	295.0	-1.0
14	5.1	305.0	-1.0
15	5.7	315.0	-1.0
16	6.6	325.0	-1.0
17	5.7	330.0	-1.0
18	4.5	340.0	-1.0
19	3.0	345.0	-1.0
20	4.2	350.0	-1.0
21	5.1	350.0	-1.0
22	6.0	355.0	-1.0
23	6.3	355.0	-1.0
24	6.9	355.0	-1.0
1	7.2	355.0	-0.5

STOP TIME MAR 12,1992 HOUR 0 MINUTE 50

STARTING TIME MAR 12,1992 HOUR 6 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	5.1	360.0	-1.0
7	4.8	5.0	-1.0
8	4.5	20.0	-1.0
9	4.5	30.0	-1.0
10	4.2	45.0	-1.0
11	4.5	35.0	-1.7
12	4.5	25.0	-1.7
13	4.8	15.0	-1.7
14	4.5	10.0	-1.7
15	3.9	360.0	-1.7
16	3.6	355.0	-1.7
17	3.0	355.0	-1.4
18	2.4	355.0	-1.0
19	2.0	355.0	-0.5

STOP TIME MAR 12,1992 HOUR 18 MINUTE 47

RELEASE NUMBER 92042 CONTAINMENT PURGE

STARTING TIME MAR 20,1992 HOUR 12 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	7.9	220.4	-1.4
13	8.5	226.6	-1.5
14	7.2	248.0	-1.5
15	6.8	253.7	-1.4
16	7.0	263.0	-1.4
17	9.2	237.7	-1.2
18	8.6	218.0	-1.0
19	6.6	193.7	-0.2
20	8.4	186.9	0.3
21	10.5	167.5	0.3
2	9.8	165.1	-0.2
3	10.8	160.7	-0.1
24	11.7	163.3	-0.3
1	7.3	202.2	-0.6
2	7.9	201.2	-0.4
3	6.3	70.7	-0.2
4	6.2	147.6	0.3
5	3.8	151.2	0.9
6	5.5	155.6	1.1
7	4.0	159.0	0.9
8	5.4	280.1	-1.3
9	6.8	280.1	-1.3
10	8.2	280.1	-1.4
11	9.6	329.2	-0.6
12	10.8	335.9	-1.6
13	11.9	336.3	-1.6
14	12.5	341.7	-1.4
15	13.4	343.6	-1.4
16	13.2	339.0	-1.2
17	12.4	338.8	-1.1
18	11.9	340.2	-1.1
19	11.1	339.4	-1.0
20	10.5	341.8	-1.0
21	9.9	343.9	-1.0
22	10.8	340.0	-1.0

STOP TIME MAR 21,1992 HOUR 21 MINUTE 42

STARTING TIME MAR 22,1992 HOUR 18 MINUTE 52

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
18	4.5	283.9	-1.2
19	2.6	253.2	0.2
20	4.1	221.9	1.4
21	7.6	220.4	2.0
22	10.3	216.2	2.4
23	12.3	214.0	2.5
24	13.1	216.2	2.9
1	12.2	219.6	2.9

STOP TIME MAR 23,1992 HOUR 0 MINUTE 7

RELEASE NUMBER 92042 CONTAINMENT PURGE

STARTING TIME MAR 23,1992 HOUR 6 MINUTE 9

TIME HOUR	WS10 MPH	WD10 DEG	DT11C DEG C
6	9.8	246.3	1.2
7	4.7	214.7	-0.2
8	3.4	218.2	-0.7
9	4.8	221.0	-1.1

STOP TIME MAR 23,1992 HOUR 8 MINUTE 10

RELEASE NUMBER 92043 CONTAINMENT PURGE

STARTING TIME MAR 23,1992 HOUR 8 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	3.4	218.2	-0.7
9	4.8	221.0	-1.1
10	4.3	240.4	-1.3
11	3.7	224.8	-1.4
12	4.7	173.3	-1.5
13	5.6	185.7	-1.5
14	7.3	217.2	-1.5
15	6.7	230.1	-1.5
16	6.1	260.1	-1.6
17	7.1	257.4	-1.4
18	5.3	244.8	-1.0
19	5.7	191.1	-0.2
20	7.2	190.4	1.6
21	8.4	193.7	2.8
22	10.1	191.7	3.2
23	10.8	195.3	2.3
24	14.1	206.3	0.4

STOP TIME MAR 23,1992 HOUR 23 MINUTE 41

STARTING TIME MAR 24,1992 HOUR 5 MINUTE 27

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	13.2	200.8	1.0
6	9.9	182.0	1.0
7	8.5	176.1	1.1
8	7.3	169.9	-0.4
9	10.6	192.3	-1.1
10	12.6	192.5	-1.3
11	11.5	186.5	-1.2
12	11.9	170.9	-1.3
13	13.5	166.8	-1.4
14	14.3	161.8	-1.5

STOP TIME MAR 24,1992 HOUR 13 MINUTE 10

RELEASE NUMBER 92044 CONTAINMENT PURGE

STARTING TIME MAR 27,1992 HOUR 8 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	1.9	140.6	0.9
9	7.9	151.3	-1.2
10	10.5	140.9	-1.3
11	10.6	144.4	-1.4
12	12.0	131.7	-1.5
13	11.9	147.1	-1.5

STOP TIME MAR 27,1992 HOUR 12 MINUTE 35

RELEASE NUMBER 92045 CONTAINMENT PURGE

STARTING TIME MAR 28,1992 HOUR 8 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	13.7	126.2	-0.7
9	13.0	115.5	-0.8
10	12.5	117.6	-0.9
11	13.6	127.9	-0.9
12	15.6	132.5	-0.9
13	14.8	135.3	-0.9
14	12.6	132.1	-0.9
15	10.1	126.0	-0.8
16	8.4	118.9	-0.8
17	8.9	111.0	-0.8
18	8.7	110.9	-0.8
19	8.4	108.2	-0.8
20	7.6	107.1	-0.9
21	4.6	89.4	-0.8
22	2.7	282.0	-0.7
23	2.6	354.1	-0.7

STOP TIME MAR 28,1992 HOUR 22 MINUTE 0

STARTING TIME MAR 28,1992 HOUR 23 MINUTE 1

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
23	2.6	354.1	-0.7
24	2.3	350.9	-0.5
1	2.1	43.8	-0.5
2	4.6	61.5	-0.2
3	3.9	338.7	-0.8
4	5.0	342.8	-0.7
5	5.1	350.0	-0.8
6	5.1	352.9	-0.7
7	6.8	333.1	-0.7
8	7.4	340.1	-0.8
9	7.6	342.9	-0.9
10	8.0	347.9	-1.0
11	8.4	344.0	-1.0
12	8.0	340.2	-1.0
13	7.9	342.9	-1.0
14	8.9	347.7	-1.1
15	9.2	341.2	-1.0
16	9.6	343.1	-1.0
17	9.8	344.9	-1.0
18	8.9	348.4	-0.9
19	8.0	356.2	-0.8
20	5.6	354.2	-0.8
21	4.9	359.1	-0.8

22	6.5	4.2	-0.8
23	5.5	1.5	-0.6
24	4.6	312.9	0.9
1	6.3	318.9	1.4
2	5.0	317.6	1.1
3	3.1	308.7	1.4
4	1.7	274.4	1.2
5	2.3	289.5	0.8
6	1.9	272.2	1.1
7	1.0	238.1	0.4
8	2.9	305.6	-0.3
9	3.4	313.8	-0.6
10	4.3	335.5	-1.1
11	3.5	350.7	-1.2
12	4.4	332.0	1.3
13	4.6	345.2	1.2
14	3.6	289.7	-1.2
15	3.7	252.4	-1.2
16	4.1	319.8	-1.2
17	3.2	285.3	-1.1
18	4.3	251.9	-1.1
19	4.1	214.2	-0.5
20	4.2	207.1	1.0
21	4.5	185.0	1.8
22	7.7	185.9	2.3
23	7.9	179.8	2.9
24	8.4	177.7	2.4
1	9.9	194.7	1.6
2	15.3	213.1	1.5
3	19.7	216.0	0.7
4	17.3	229.2	0.6
5	15.3	238.6	0.8
6	5.1	276.2	-0.3
7	5.3	301.3	-0.2
8	5.5	309.6	-0.7
9	9.0	330.2	-1.1
10	10.3	339.1	-1.3
11	10.8	344.5	-1.5
12	11.8	344.7	-1.7
13	12.5	344.3	-1.7
14	13.0	337.1	-1.6
15	12.9	337.8	-1.5
16	12.8	332.8	-1.5
17	12.4	338.3	-1.3
18	11.2	342.4	-1.1
19	8.5	343.5	-0.8
20	8.0	352.9	-0.7
21	4.8	342.1	-0.3
22	3.9	311.4	0.5
23	5.2	315.8	0.5
24	5.9	318.7	-0.1
1	5.0	318.4	-0.1
2	5.2	311.8	-0.3
3	5.5	303.8	-0.1
4	6.7	301.3	-0.3

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5        6.9      312.5       -0.4
        STOP TIME    APR   1,1992    HOUR  4 MINUTE  0
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RELEASE NUMBER 92045 CONTAINMENT PURGE

STARTING TIME APR 1,1992 HOUR 4 MINUTE 53

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
4	6.7	304.3	-0.3
5	6.9	312.5	-0.4
6	7.0	317.2	-0.5
7	7.4	318.0	-0.5
8	9.7	323.0	-1.1
9	11.7	327.3	-1.3
10	10.2	330.1	-1.5
11	10.8	332.1	-1.5
12	10.3	336.1	-1.6
13	10.6	335.6	-1.7
14	9.7	331.6	-1.8

STOP TIME APR 1,1992 HOUR 13 MINUTE 43

STARTING TIME APR 1,1992 HOUR 20 MINUTE 40

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
20	2.9	299.4	0.8
21	2.5	285.8	1.6
22	3.1	302.6	2.1
23	2.1	307.6	1.8
24	2.2	289.6	1.3

STOP TIME APR 1,1992 HOUR 23 MINUTE 59

RELEASE NUMBER 92046 CONTAINMENT PURGE

STARTING TIME APR 2,1992 HOUR 5 MINUTE 5

IME IOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	1.7	266.9	1.3
6	1.7	261.0	1.0
7	1.1	266.3	1.1
8	2.5	316.4	0.1
9	3.5	333.8	-0.9
10	4.5	323.0	-1.4
11	6.7	343.0	-1.5

STOP TIME APR 2,1992 HOUR 10 MINUTE 0

STARTING TIME APR 3,1992 HOUR 3 MINUTE 38

IME IOUR	WS10 MPH	WD10 DEG	DT110 DEG C
3	17.1	225.1	0.5
4	17.3	224.1	0.2
5	17.0	220.7	0.1
6	16.9	226.4	-0.4
7	16.3	232.2	-0.2
8	15.6	216.0	-0.4
9	13.7	208.1	-0.9

STOP TIME APR 3,1992 HOUR 8 MINUTE 2

RELEASE NUMBER 92046 CONTAINMENT PURGE

STARTING TIME APR 3,1992 HOUR 9 MINUTE 4

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	13.7	208.1	-0.9
10	8.8	212.7	-1.3

STOP TIME APR 3,1992 HOUR 9 MINUTE 17

STARTING TIME APR 3,1992 HOUR 13 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
13	5.8	277.4	-1.6
14	5.9	318.0	-1.6
15	5.9	344.0	-1.6
16	7.3	348.4	-1.6
17	8.8	354.7	-1.5
18	5.9	349.7	-1.0
19	2.6	311.1	-0.2
20	3.2	296.0	2.0
21	4.2	302.5	1.8
22	4.4	302.7	2.2

STOP TIME APR 3,1992 HOUR 21 MINUTE 50

RELEASE NUMBER 92046 CONTAINMENT PURGE

STARTING TIME APR 4,1992 HOUR 14 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	7.2	178.7	-1.6
15	7.8	189.0	-1.6
16	8.2	99.8	-1.3
17	9.4	117.8	-1.3
18	9.4	115.0	-1.2

STOP TIME APR 4,1992 HOUR 17 MINUTE 14

STARTING TIME APR 4,1992 HOUR 17 MINUTE 17

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	9.4	117.8	-1.3
18	9.4	115.0	-1.2
19	7.6	124.0	-0.6
20	5.3	124.4	0.6
21	6.7	125.1	1.0
22	6.3	120.0	1.5
23	6.8	120.0	1.3
24	8.2	128.4	0.8
1	7.3	127.0	0.5
2	8.0	126.0	0.7
3	8.9	124.7	1.3
4	9.1	128.6	0.8
5	8.5	126.9	1.1
6	10.5	141.4	0.2
7	11.9	141.6	-0.3

STOP TIME APR 5,1992 HOUR 6 MINUTE 1

RELEASE NUMBER 92047 CONTAINMENT PURGE

STARTING TIME APR 7,1992 HOUR 5 MINUTE 11

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	1.6	321.5	1.9
6	3.0	288.4	1.0
7	3.6	293.6	0.8
8	2.6	271.5	1.4

STOP TIME APR 7,1992 HOUR 7 MINUTE 14

RELEASE NUMBER 92048 CONTAINMENT PURGE

STARTING TIME APR 7,1992 HOUR 8 MINUTE 27

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	2.6	271.5	1.4
9	3.1	298.4	0.1

STOP TIME APR 7,1992 HOUR 8 MINUTE 57

STARTING TIME APR 7,1992 HOUR 9 MINUTE 41

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	3.1	298.4	0.1
10	6.1	330.5	-1.0
11	8.8	344.2	-1.3
12	8.1	354.4	-1.3
13	5.6	334.1	-1.1
14	5.2	291.7	-1.3

STOP TIME APR 7,1992 HOUR 13 MINUTE 24

RELEASE NUMBER 92048 CONTAINMENT PURGE

STARTING TIME APR 8,1992 HOUR 8 MINUTE 16

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	7.1	131.4	0.5
9	8.3	125.1	0.6
10	6.2	114.6	0.1

STOP TIME APR 8,1992 HOUR 9 MINUTE

STARTING TIME APR 8,1992 HOUR 10 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	6.2	114.6	0.1
11	4.3	101.5	-0.9
12	4.5	102.2	-1.0
13	5.8	131.9	-0.5
14	5.9	124.6	-0.7
15	3.4	190.3	-0.4
16	4.0	346.7	-1.1
17	3.8	11.0	-1.3
18	6.5	358.5	-1.3

STOP TIME APR 8,1992 HOUR 17 MINUTE 38

RELEASE NUMBER 92048 CONTAINMENT PURGE

STARTING TIME APR 8,1992 HOUR 16 MINUTE 57

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	4.0	346.7	-1.3
17	3.8	11.0	-1.3
18	6.5	358.5	-1.3
19	8.9	356.1	-1.2
20	7.5	355.3	-1.0
21	6.3	357.8	-0.9
22	6.4	3.7	-1.0
23	6.4	10.8	-1.0
24	4.3	359.9	-0.9
1	5.4	11.3	-1.1
2	3.7	22.6	-1.1

STOP TIME APR 9,1992 HOUR 1 MINUTE 39

STARTING TIME APR 9,1992 HOUR 3 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
3	4.7	353.3	-1.0
4	3.7	345.1	-1.0
5	4.3	336.0	-0.9
6	4.2	0.4	-1.0
7	4.2	26.5	-0.9
8	3.3	331.7	-0.9
9	3.6	178.8	-1.0
10	2.7	282.5	-0.8
11	3.4	23.9	-1.0
12	5.5	85.9	-1.2
13	4.6	102.1	-1.2
14	6.4	92.0	-1.3
15	8.4	97.3	-1.2
16	9.5	103.1	-1.1
17	8.4	91.5	-1.1
18	6.9	82.7	-1.0
19	7.7	81.3	-1.1
20	7.9	93.2	-0.8
21	7.5	98.6	-0.8
22	6.0	91.1	-0.7
23	3.5	58.1	-0.1
24	3.1	338.7	0.4
1	6.6	118.4	0.3
2	7.6	117.9	0.8
3	10.6	129.4	-0.2
4	11.1	131.7	-0.5
5	13.0	135.1	-0.6
6	12.5	144.6	-0.6

7	11.9	147.7	-0.7
8	11.0	153.7	-0.7
9	10.7	160.8	-1.0
10	10.8	154.3	-1.0
11	10.6	166.8	-1.2
12	9.7	182.8	-1.3
13	9.6	216.6	-1.4
14	11.1	228.5	-1.4
15	12.5	219.1	-1.5
16	11.4	238.7	-1.5
17	7.5	282.8	-1.4
18	5.9	310.2	-1.3
19	5.5	329.4	-0.9
20	7.9	325.4	-0.7
21	8.1	329.5	-0.7
22	6.5	326.4	-0.4
23	7.9	341.8	-0.6
24	6.6	356.6	-0.6
1	4.9	354.3	-0.6
2	4.6	346.0	-0.8
3	4.0	310.4	-0.8
4	4.8	313.2	-0.8
5	5.3	349.5	-0.9
6	5.7	348.5	-1.0
7	5.4	339.5	-0.9
8	6.9	342.1	-1.0
9	7.4	351.2	-1.1
10	8.5	350.8	-1.1
11	9.1	349.3	-1.1
12	9.1	350.0	-1.2
13	8.3	353.3	-1.5
14	8.7	348.5	-1.7
15	9.5	345.0	-1.6
16	11.0	346.8	-1.5
17	12.8	354.0	-1.6
18	9.5	357.2	-1.4
19	9.6	6.5	-1.2
20	8.0	18.4	-1.1
21	8.4	17.8	-1.0
22	7.7	15.6	-1.0
23	8.2	20.0	-1.0
24	6.4	29.5	-1.0
1	7.3	1.4	-0.8
2	7.0	6.2	-0.9
3	7.7	1.8	-1.0
4	8.6	16.5	-1.1
5	8.2	20.4	-1.1
6	7.5	24.1	-1.1
7	6.2	25.3	-0.9

STOP TIME 4 12,1992 HOUR 6 MINUTE 18

RELEASE NUMBER 92048 CONTAINMENT PURGE

STARTING TIME APR 12,1992 HOUR 6 MINUTE 56

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	7.5	24.1	-1.1
7	6.2	25.3	-0.9
8	7.8	37.6	-1.2
9	7.7	43.8	-1.3

STOP TIME APR 12,1992 HOUR 8 MINUTE 42

RELEASE NUMBER 92049 CONTAINMENT PURGE

STARTING TIME APR 12,1992 HOUR 8 MINUTE 59

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	7.8	37.6	-1.2
9	7.7	43.8	-1.3
10	8.5	45.2	-1.5
11	8.7	57.4	-1.5
12	9.3	57.6	-1.6
13	8.9	65.5	-1.5
14	9.3	74.2	-1.5
15	9.4	68.8	-1.6
16	10.3	76.8	-1.7
17	11.7	71.4	-1.6
18	12.4	78.1	-1.6
19	11.3	80.4	-1.2
20	9.9	92.2	-1.1
21	10.2	94.3	-1.1
22	10.5	97.8	-1.0
23	10.9	103.8	-1.0
24	9.2	101.0	-1.0
1	10.7	112.8	-1.0
2	8.3	104.8	-1.0
3	6.3	93.5	-1.0

STOP TIME APR 13,1992 HOUR 2 MINUTE 53

RELEASE NUMBER 92050 CONTAINMENT PURGE

STARTING TIME APR 13,1992 HOUR 5 MINUTE 59

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	9.8	112.4	-1.0
6	9.1	114.4	-1.0
7	10.1	126.3	-1.0
8	9.7	131.0	-0.9
9	11.3	125.6	-1.0
10	10.0	128.2	-1.1
11	10.2	131.[illegible]	-1.2
[illegible]	9.4	[illegible].7	-1.2
13	9.[illegible]	135.1	-1.2
14	10.1	168.9	-1.3
15	10.6	121.2	-1.5

STOP TIME APR 13 1992 HOUR 14 MINUTE 38

STARTING TIME APR 13,1992 HOUR 22 MINUTE 37

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
22	9.2	97.4	-0.9
23	8.7	97.2	-0.9
24	8.3	102.7	-1.0
1	6.0	89.4	-0.9
2	4.9	75.5	-0.9
3	5.4	76.8	-0.9
4	5.2	73.2	-1.0
5	5.4	71.[illegible]	-1.0
6	5.8	74.6	-0.9
7	5.4	75.6	-1.0
8	6.5	73.6	-1.0
9	6.3	80.1	-1.0

STOP TIME APR 14,1992 HOUR 8 MINUTE 24

RELEASE NUMBER 92050 CONTAINMENT PURGE

STARTING TIME APR 14,1992 HOUR 9 MINUTE 53

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
9	6.3	80.1	-1.0
10	8.0	96.8	-1.1
11	9.1	98.6	-1.1
12	10.4	108.9	-1.3
13	10.0	106.5	-1.3
14	10.0	104.7	-1.4
15	9.9	104.4	-1.4
16	9.8	110.0	-1.5
17	8.9	97.5	-1.3
18	10.8	95.7	-1.0
19	10.8	97.0	-0.8
20	10.8	95.8	-0.6
21	10.1	98.1	-0.6
22	8.2	90.6	-0.5
23	8.5	100.5	-0.5
24	7.1	116.6	-0.1
1	4.5	121.0	1.3
2	2.8	57.5	1.4
3	3.4	119.0	3.2
4	1.6	63.1	6.9
5	1.5	284.0	8.3

STOP TIME APR 15,1992 HOUR 4 MINUTE 49

STARTING TIME APR 15,1992 HOUR 5 MINUTE 39

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	1.5	284.0	8.3
6	5.2	167.8	4.9
7	6.1	164.9	2.3
8	3.7	245.8	5.3
9	3.0	34.9	2.9

STOP TIME APR 15,1992 HOUR 8 MINUTE 9

RELEASE NUMBER 92050 CONTAINMENT PURGE

STARTING TIME APR 15,1992 HOUR 8 MINUTE 47

IME OUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	3.7	245.8	5.3
9	3.0	34.9	2.9
10	10.4	180.4	-1.1
11	11.5	183.8	-1.3
12	13.0	177.9	-1.5
13	13.2	188.1	-1.4
14	14.2	204.2	-0.8

STOP TIME APR 15,1992 HOUR 13 MINUTE 40

STARTING TIME APR 15,1992 HOUR 16 MINUTE 42

IME OUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	13.2	221.1	-1.0
17	9.1	245.6	-1.1
18	6.0	247.2	-0.9
19	7.1	328.9	-0.9
20	7.9	330.8	-1.0
21	7.4	327.2	-1.2
22	8.1	324.9	-0.8
23	7.5	333.1	-0.8
24	6.2	340.8	-0.9
1	7.0	335.1	-0.9
2	7.4	335.3	-0.9
3	7.6	339.4	-1.0
4	7.5	339.4	-0.8

STOP TIME APR 16,1992 HOUR 3 MINUTE 53

RELEASE NUMBER 92050 CONTAINMENT PURGE

STARTING TIME APR 17,1992 HOUR 2 MINUTE 5

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
2	4.0	71.8	-1.2
3	3.3	65.5	-0.9
4	3.2	63.2	-1.2
5	4.2	102.9	-1.1
6	4.5	83.6	-1.0
7	3.2	85.5	-0.9
8	5.2	129.6	-0.9
9	4.8	120.3	-1.0
10	4.5	81.8	-1.2

STOP TIME APR 17,1992 HOUR 9 MINUTE 55

RELEASE NUMBER 92051 CONTAINMENT PURGE

STARTING TIME APR 20,1992 HOUR 6 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	12.9	324.9	-1.0
7	13.5	325.9	-1.0
8	11.6	325.5	-1.0
9	11.6	328.2	-1.0
10	12.4	328.1	-1.0
11	12.7	326.8	-1.1
12	11.6	327.7	-0.9
13	12.8	327.0	-0.9
14	11.5	326.2	-0.9
15	10.8	319.8	-0.8
16	11.3	312.1	-0.8
17	12.8	325.4	-0.7
18	11.9	320.8	-0.7
19	12.6	309.5	-0.7
20	13.3	305.7	-0.5
21	11.6	306.7	-0.6
22	13.6	299.6	-0.6
23	13.8	299.4	-0.7
24	12.7	299.4	-0.6
1	12.4	297.6	-0.6
2	13.6	296.5	-0.6
3	13.9	296.0	-0.6
4	14.6	297.0	-0.7
5	13.9	300.7	-0.8
6	13.8	300.8	-0.8
7	12.9	301.4	-0.8
8	12.1	303.3	-0.8
9	13.0	306.4	-0.9
10	13.0	310.5	-1.0
11	15.2	308.3	-1.0
12	14.7	307.5	-0.9
13	15.1	306.9	-0.8
14	13.2	306.7	-0.9

STOP TIME APR 21,1992 HOUR 13 MINUTE 3

STARTING TIME APR 21,1992 HOUR 17 MINUTE 54

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	9.6	305.4	-0.9
18	11.1	298.9	-0.8
19	10.2	299.9	-0.8
20	9.6	305.7	-0.7
21	8.0	301.6	-0.7

STOP TIME APR 21,1992 HOUR 20 MINUTE 44

RELEASE NUMBER 92051 CONTAINMENT PURGE

STARTING TIME APR 22,1992 HOUR 4 MINUTE 12

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
4	6.1	275.0	-0.2
5	6.0	281.2	0.3
6	4.5	280.8	0.4
7	5.0	278.0	0.7
8	5.3	295.3	0.2
9	4.1	304.1	-0.7
10	5.4	310.2	-1.1
11	6.2	299.4	-1.1
12	6.9	291.7	-1.1
13	5.2	286.4	-1.3
14	4.5	285.5	-1.4
15	3.7	284.5	-1.4
16	4.2	349.9	-1.3
17	4.7	28.7	-1.2
18	4.1	43.9	-1.1

STOP TIME APR 22,1992 HOUR 17 MINUTE 5

STARTING TIME APR 22,1992 HOUR 18 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
18	4.1	43.9	-1.1
19	3.1	69.2	-1.0
20	2.2	58.0	-0.9
21	1.5	51.8	-0.2

STOP TIME APR 22,1992 HOUR 20 MINUTE 43

RELEASE NUMBER 92051 CONTAINMENT PURGE

STARTING TIME APR 23,1992 HOUR 5 MINUTE 15

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	2.3	39.3	-0.4
6	2.5	29.9	-0.7
7	3.4	0.7	-0.7
8	3.9	348.7	-0.6
9	4.4	351.2	-0.8
10	5.2	6.5	-1.0
11	4.7	14.8	-1.2
12	4.2	0.9	-1.3

STOP TIME APR 23,1992 HOUR 11 MINUTE 6

STARTING TIME APR 23,1992 HOUR 12 MINUTE 48

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	4.2	0.9	-1.3
13	6.3	32.5	-1.6
14	6.0	18.0	-1.5

STOP TIME APR 23,1992 HOUR 13 MINUTE 23

RELEASE NUMBER 92052 CONTAINMENT PURGE

STARTING TIME APR 26,1992 HOUR 12 MINUTE 25

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	7.5	341.8	-1.5
13	8.1	342.0	-1.4
14	7.5	334.1	-1.4
15	6.9	337.8	-1.3
16	6.9	335.2	-1.4
17	6.8	345.0	-1.4
18	7.4	341.1	-1.3

STOP TIME APR 26,1992 HOUR 17 MINUTE 35

RELEASE NUMBER 92053 CONTAINMENT PURGE

STARTING TIME APR 27,1992 HOUR 16 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT10 DEG C
16	9.2	127.6	-1.6
17	8.9	122.7	-1.4
18	10.7	125.0	-1.3

STOP TIME APR 27,1992 HOUR 17 MINUTE 2

STARTING TIME APR 27,1992 HOUR 17 MINUTE 58

TIME HOUR	WS10 MPH	WD10 DEG	DT10 DEG C
17	8.9	122.7	-1.4
18	10.7	125.0	-1.3
19	11.1	133.4	-1.1
20	8.1	142.2	-0.9
21	6.2	148.7	0.1
22	7.7	159.5	0.5
23	7.9	153.1	0.7
24	6.2	141.7	0.2
1	6.5	147.8	0.9
2	6.1	134.2	1.4
3	9.4	151.2	0.4
4	10.5	157.0	0.2
5	11.7	161.6	-0.3
6	12.5	162.6	-0.5

STOP TIME APR 28,1992 HOUR 5 MINUTE 10

RELEASE NUMBER 92053 CONTAINMENT PURGE

STARTING TIME APR 28,1992 HOUR 5 MINUTE 30

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	11.7	16..6	-0.3
6	12.5	162.6	-0.5

STOP TIME APR 28,1992 HOUR 5 MINUTE 50

RELEASE NUMBER 92054 CONTAINMENT PURGE

STARTING TIME APR 28,1992 HOUR 11 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	16.1	176.4	-1.2
12	20.9	178.1	-1.4
13	18.5	19[illegible].1	-1.6
14	16.0	203.7	-1.6
15	18.5	189.5	-1.4
16	16.3	192.4	-1.4
17	14.1	205.5	-1.4
18	14.9	193.3	-1.3
19	13.6	197.6	-1.1
20	14.1	187.5	-0.9
21	11.8	203.1	-0.6
22	15.2	223.4	1.3

STOP TIME APR 28,1992 HOUR 21 MINUTE 45

STARTING TIME APR 29,1992 HOUR 6 MINUTE 46

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	3.5	292.9	0.6
7	1.8	293.4	1.3
8	1.9	2[illegible].1	1.1
9	2.7	[illegible].2	-0.3
10	2.6	2[illegible].2	-0.8
11	1.7	257.5	-0.7
12	2.2	299.2	-1.0
13	3.9	343.8	-1.5
14	4.3	315.2	-1.4
15	4.6	298.5	-1.7
16	5.5	272.1	-1.6
17	5.8	287.7	-1.6
18	6.3	307.6	-1.6
19	5.6	322.3	-1.2
20	3.4	313.8	-0.1
21	0.7	252.7	1.7
22	1.4	292.3	3.7
23	0.5	228.6	4.5
24	0.9	241.7	5.0
1	1.0	185.5	6.9
2	1.7	49.5	8.1
3	2.0	23.7	9.0
4	3.1	285.6	7.1
5	2.1	336.6	8.6
6	0.8	162.9	9.4

STOP TIME APR 30,1992 HOUR 5 MINUTE 16

RELEASE NUMBER 92054 CONTAINMENT PURGE

STARTING TIME APR 30,1992 HOUR 6 MINUTE 37

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	0.8	162.9	9.4
7	2.9	235.5	7.4
8	7.4	206.0	3.9
9	5.8	184.1	0.8
10	5.5	162.1	-0.7

STOP TIME APR 30,1992 HOUR 9 MINUTE 20

RELEASE NUMBER 92055 CONTAINMENT PURGE

STARTING TIME APR 30,1992 HOUR 16 MINUTE 42

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	20.5	176.9	-1.5
17	21.8	185.5	-1.4
18	21.7	190.2	-1.3
19	20.3	194.9	-1.0
20	18.2	191.8	-0.7
21	16.5	186.3	-0.5
22	19.0	183.7	-0.5
23	19.9	180.7	-0.6
24	20.3	174.7	-0.6
1	20.2	118.5	-0.6
2	20.3	193.3	-0.5
3	18.8	193.7	-0.6
4	16.9	190.8	-0.6
5	17.3	189.6	-0.6
6	11.8	177.9	-0.7
7	13.9	187.5	-0.6
8	14.0	189.9	-0.9
9	15.0	192.5	-1.2
10	15.4	197.6	-1.4
11	12.3	191.3	-1.6
12	10.2	196.1	-1.6
13	7.9	200.3	-1.5
14	7.9	168.3	-1.6
15	8.9	153.3	-1.7
16	7.9	168.4	-1.5
17	7.4	182.1	-1.5
18	6.9	217.1	-1.4
19	5.8	201.6	-1.2
20	3.0	191.3	-0.5
21	2.4	263.9	0.7
22	10.4	328.9	-0.5
23	12.8	335.0	-0.7
24	11.1	339.8	-0.8
1	10.8	342.6	-0.7
2	9.0	338.2	-0.8
3	8.4	331.0	-0.7
4	7.9	3. .5	-0.6
5	8.6	33ه.1	-0.6
6	7.5	327.9	-0.7
7	8.4	327.3	-0.8
8	7.4	327.5	-0.7
9	7.2	333.4	-1.0
10	7.4	344.3	-1.1
11	9.2	340.8	-1.4
12	12.2	342.6	-1.8
13	10.8	340.3	-1.8
14	10.6	332.1	-2.0
15	11.4	322.1	-2.1
16	10.3	309.9	-2.3

17	10.1	305.0	-2.1
18	10.5	310.8	-1.9
19	9.1	311.9	-1.5
20	6.7	301.1	-0.9
21	2.6	273.5	1.0
22	2.3	292.1	2.5
23	2.0	304.1	2.6
24	2.1	312.0	3.5
1	3.2	311.3	3.4
2	2.8	12.7	3.0
3	0.4	248.3	3.3
4	0.8	219.9	3.8
5	1.1	268.3	3.9
6	0.5	223.9	4.2
7	1.5	276.1	3.9
8	1.2	275.2	2.6
9	2.9	357.0	-0.6
10	3.8	66.2	-1.3
11	4.5	5.5	-1.4
12	4.0	210.4	-1.4
13	3.2	255.[illegible]	-1.5
14	4.3	236.5	-1.7
15	4.7	202.[illegible]	-1.7
16	5.3	202.0	-1.7

STOP TIME MAY 3,1992 HOUR 15 MINUTE 52

RELEASE NUMBER 92056 CONTAINMENT PURGE

STARTING TIME MAY 6,1992 HOUR 16 MINUTE 46

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	9.5	161.0	-1.7
17	10.1	162.5	-1.6
18	11.2	163.0	-1.4
19	10.1	171.6	-1.3
20	6.5	163.6	-0.9
21	5.8	157.5	-0.1
22	5.9	167.1	1.2
23	8.9	170.4	1.2
24	10.5	170.8	0.9
1	7.9	172.7	0.1
2	7.5	156.9	0.4
3	9.2	166.3	0.2
4	10.2	168.8	0.2
5	13.1	169.2	0.4
6	13.7	183.1	0.1
7	12.9	191.3	-0.1
8	13.7	186.1	-0.7
9	14.3	188.4	-1.2
10	15.4	189.4	-1.4
11	16.5	180.0	-1.6
12	16.7	178.0	-1.6
13	16.8	173.9	-1.7
14	15.8	169.0	-1.8

STOP TIME MAY 7,1992 HOUR 13 MINUTE 17

RELEASE NUMBER 92057 CONTAINMENT PURGE

STARTING TIME MAY 7,1992 HOUR 14 MINUTE 10

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	15.8	169.0	-1.8
15	16.5	154.7	-1.8
16	15.0	163.4	-1.8
17	15.3	153.9	-1.7
18	14.1	165.6	-1.4
19	13.7	167.6	-1.[illegible]
20	12.6	157.4	-1.1

STOP TIME MAY 7,1992 HOUR 19 MINUTE 31

STARTING TIME MAY 7,1992 HOUR 21 MINUTE 29

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
21	8.6	150.6	-0.6
22	7.5	146.[illegible]	0
23	6.4	136.3	0
24	7.3	137.8	0.[illegible]

STOP TIME MAY 7,1992 HOUR 23 MINUTE 59

RELEASE NUMBER 92058 CONTAINMENT PURGE

STARTING TIME MAY 8,1992 HOUR 18 MINUTE 0

TIME HOUR	WS10 MPH	WD10 DEG	DT11C DEG C
18	15.5	153.8	-1.4
19	14.4	160.2	-1.2
20	12.6	154.9	-1.0
21	11.3	141.8	-0.6
22	10.6	136.3	-0.5
23	10.4	137.9	-0.4
24	10.9	142.9	-0.5
1	10.5	145.1	-0.6
2	9.9	145.9	-0.5
3	9.5	149.9	-0.6
4	12.7	179.5	1.4
5	15.9	178.4	0.4
6	14.3	179.0	0.7
7	14.0	169.0	0.1
8	12.4	160.9	-0.1
9	14.3	159.4	-1.2
10	14.3	155.4	-1.4
11	15.6	152.1	-1.6
12	15.5	161.1	-1.6
13	16.0	164.5	-1.8
14	16.3	174.3	-1.8
15	18.4	169.3	-1.7
16	18.8	167.3	-1.6
17	19.0	173.1	-1.5
18	18.9	174.9	-1.4
19	17.4	157.1	-1.2
20	14.2	156.9	-0.9

STOP TIME MAY 9,1992 HOUR 19 MINUTE 5

STARTING TIME MAY 9,1992 HOUR 19 MINUTE 47

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
19	17.4	157.1	-1.2
20	14.2	156.9	-0.9
21	13.1	155.4	-0.7
22	11.3	155.9	-0.6
23	13.7	162.2	-0.7
24	14.0	163.7	-0.6
1	14.4	168.1	-0.7
2	14.3	165.1	-0.6
3	11.5	156.0	-0.8
4	10.4	154.2	-0.5
5	12.2	156.7	-0.6
6	12.4	154.6	-0.5

7	12.1	146.3	-0.6
8	13.0	149.8	-1.0
9	14.6	160.0	-1.2
10	16.5	163.6	-1.4
11	17.2	172.4	-1.5
12	19.8	165.4	-1.6
13	20.4	173.2	-1.7
14	20.9	171.5	-1.8
15	20.5	165.0	-1.7
16	20.1	170.1	-1.7
17	15.6	165.6	-1.3
18	15.3	160.0	-1.2
19	13.6	156.7	-1.2
20	12.8	160.3	-1.0
21	14.0	164.7	-0.9
22	10.6	165.6	-0.9
23	13.6	162.5	-0.7
24	16.5	170.4	-0.8
1	11.5	184.4	-0.7
2	9.3	180.0	-0.5
3	7.1	166.1	-0.3
4	5.7	160.5	-0.4
5	8.1	193.7	-0.6
6	8.1	182.2	-0.6
7	10.9	170.6	-0.8
8	9.2	179.5	-0.8
9	11.0	177.3	-1.1

STOP TIME MAY 11,1992 HOUR 8 MINUTE 21

RELEASE NUMBER 92058 CONTAINMENT PURGE

STARTING TIME MAY 11,1992 HOUR 10 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	9.2	169.5	-1.0
11	10.7	175.9	-1.2
12	10.4	176.8	-1.3
13	10.3	170.4	-1.4
14	10.6	190.6	-1.4
15	9.6	194.5	-1.6
16	11.3	184.6	-1.6
17	12.9	179.7	-1.6
18	12.2	180.8	-1.4
19	11.5	181.5	-1.3
20	9.3	185.7	-1.1
21	4.8	154.5	-0.2
22	4	178.4	1.2
23	2.4	117.5	2.4
24	4.8	117.2	2.8
1	3.8	85	1.5
2	2.8	263.9	1.0
3	8.2	199.8	1.4
4	3.8	145.9	-0.1
5	2.8	111.4	-0.7
6	2.1	184.3	-0.4
7	3.4	138.0	0.2
8	2.3	223.7	-0.4

STOP TIME MAY 12,1992 HOUR 7 MINUTE 52

STARTING TIME MAY 12,1992 HOUR 15 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
15	7.5	314.9	-1.6
16	8.4	322.0	-1.7
17	9.5	343.5	-1.7
18	9.5	342.1	-1.5
19	9.7	341.8	-1.2
20	8.6	338.1	-0.9
21	4.7	334.1	-0.4
22	3.9	314.6	1.2
23	3.3	299.5	2.3
24	3.3	297.7	2.5
1	2.8	292.9	2.9
2	1.8	281.5	2.7
3	1.5	242.2	1.3
4	1.9	282.7	2.2
5	2.0	289.6	2.6
6	2.3	274.9	2.1

7	2.2	283.0	2.2
8	1.5	301.3	0.8
9	3.4	27.5	-1.1
10	4.4	57.5	-1.3
11	5.6	37.0	-1.5
12	6.1	70.3	-1.6
13	5.9	73.8	-1.5
14	6.5	32.7	-1.8
15	6.2	36.6	-1.7

STOP TIME MAY 13,1992 HOUR 14 MINUTE 3

RELEASE NUMBER 92059 CONTAINMENT PURGE

STARTING TIME MAY 13,1992 HOUR 16 MINUTE 11

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	8.7	60.0	-2.0
17	8.8	69.5	-1.8
18	10.6	80.5	-1.5
19	9.4	81.2	-1.3
20	6.4	70.3	-1.1
21	5.8	72.8	-1.0
22	6.3	67.3	-1.0
23	6.7	82.8	-0.9
24	10.0	110.6	-1.0
1	7.9	110.9	-0.9
2	7.6	112.3	-0.9
3	9.6	132.2	-0.7
4	11.9	138.6	-0.7
5	10.7	139.7	-0.6
6	4.0	329.7	0.1
7	1.2	225.8	1.2
8	1.7	283.4	0.6
9	3.6	249.9	-1.3

STOP TIME MAY 14,1992 HOUR 8 MINUTE 12

STARTING TIME MAY 14,1992 HOUR 13 MINUTE 2

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
13	6.6	136.6	-1.7
14	5.8	117.9	-1.7
15	7.2	131.6	-1.8
16	9.2	157.1	-1.6
17	8.6	158.2	-1.6
18	8.0	157.9	-1.4
19	8.9	142.1	-1.4
20	8.9	148.2	-1.0
21	10.6	144.7	-0.9
22	12.1	143.0	-0.9
23	11.0	146.2	-1.0
24	10.6	148.0	-0.7
1	11.2	148.4	-0.7
2	10.8	148.9	-0.8
3	7.8	152.1	-0.8
4	11.2	160.1	-0.9
5	10.2	159.3	-1.0
6	8.2	158.3	-1.0
7	8.3	162.0	-1.0
8	8.1	162.7	-1.0
9	9.5	160.5	-1.2

10	9.5	180.7	1.3
11	9.8	164.4	-1.4
12	6.3	176.1	-1.3
13	7.2	348.8	-1.2
14	6.0	204.1	-0.9
15	6.6	88.5	-0.9
16	10.8	113.5	-1.4
17	14.0	117.4	-1.3
18	14.7	131.6	-1.1
19	15.2	257.0	-0.9
20	13.8	148.5	-0.7
21	11.2	146.1	-0.3
22	10.0	149.3	-0.5
23	10.3	158.9	-0.7
24	9.3	150.6	-0.[illegible]
1	4.3	182.0	-0.5
2	3.0	340.5	0.5
3	3.8	176.3	-0.2
4	4.2	229.0	-0.3
5	3.8	245.9	-0.1
6	3.7	162.4	0.6
7	6.1	181.8	-0.2
8	7.4	255.3	-0.1
9	3.5	358.3	-0.7
10	6.1	201.8	-0.6
11	10.6	165.6	-1.0
12	16.0	169.6	-1.2
13	19.0	190.3	-1.3
14	20.8	194.7	-1.4
15	21.2	194.0	-1.4
16	17.9	190.8	-1.2
17	14.3	198.5	-0.8
18	7.6	272.7	-0.5
19	2.5	196.5	-0.8
20	3.9	80.0	-0.1
21	6.3	179.8	1.6
22	9.5	326.6	-0.5
23	3.5	40.3	-0.6
24	4.5	201.0	-0.2
1	5.6	327.3	0.1
2	4.9	329.3	-0.5
3	5.2	325.5	-0.7
4	4.7	320.8	-0.9
5	3.9	319.2	-0.9
6	3.4	314.2	-0.8
7	3.6	321.0	-0.4
8	6.5	326.0	-1.0
9	10.0	328.8	-1.2
10	10.6	328.5	-0.5
11	8.2	330.4	-0.4
12	6.2	334.9	-1.2
13	5.3	342.1	-1.3
14	4.6	352.1	-1.3
15	4.8	3.4	-1.3
16	5.4	0.8	-1.5

17	4.9	1.0	-1.4
18	4.4	350.3	-1.3
19	3.8	21.7	-1.3
20	2.9	62.4	-1.1
21	1.7	330.4	-0.2
22	0.8	214.4	1.0
23	0.9	265.0	2.1
24	0.9	262.8	2.6
1	0.4	140.3	3.3
2	0.4	183.9	3.3
3	1.2	149.5	3.3
4	0.5	169.2	3.3
5	0.4	178.7	3.5
6	1.7	122.2	3.9
7	1.7	151.9	4.0
8	0.9	126.4	2.4
9	3.2	32.0	0.3

STOP TIME MAY 18,1992 HOUR 8 MINUTE 3

RELEASE NUMBER 92060 CONTAINMENT PURGE

STARTING TIME MAY 21,1992 HOUR 17 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	11.3	121.0	-0.8
18	7.6	124.3	-0.6
19	12.4	115.0	-0.8
20	11.4	125.8	-0.6
21	12.0	124.0	-0.5
22	8.3	130.8	-0.5
23	6.8	129.8	-0.5
24	7.0	142.0	-0.5
1	8.4	140.9	-0.5
2	7.7	135.5	-0.5
3	7.4	141.7	-0.5
4	6.4	144.4	-0.5
5	5.0	135.6	-0.5
6	5.9	143.7	-0.5
7	7.2	138.9	-0.6
8	6.4	145.0	-0.7
9	6.7	151.0	-0.8
10	7.2	154.4	-0.7
11	6.0	192.9	-1.0
12	4.8	172.7	-1.0
13	3.6	199.0	-1.0
14	5.4	224.7	-1.0
15	7.2	250.7	-1.0
16	8.4	276.7	-1.0
17	8.7	302.5	-1.0
18	9.3	309.0	-0.9
19	9.6	314.0	-1.0
20	9.0	308.2	-0.9
21	8.1	309.1	-1.0
22	7.2	310.9	-1.0
23	9.0	304.6	-1.0
24	9.6	308.2	-1.0
1	10.8	311.4	-1.1
2	10.5	312.4	-1.1
3	9.9	312.7	-1.1
4	9.6	315.6	-1.1
5	9.0	320.2	-1.2
6	8.4	317.2	-1.1
7	7.8	310.7	-1.2
8	8.4	319.4	-1.3
9	9.0	325.4	-1.3
10	9.6	317.6	-1.3
11	8.7	322.7	-1.3
12	7.8	320.6	-1.3
13	7.2	323.9	-1.3
14	6.3	333.5	-1.5
15	5.7	341.0	-1.6
16	4.8	342.1	-1.5
17	4.5	341.8	-1.5

18	4.5	344.0	-1.3
19	4.2	337.0	-1.2
20	3.6	330.2	-1.0
21	2.7	314.0	-0.8
22	2.0	303.6	-0.8
23	2.1	251.2	-0.9
24	2.1	247.5	-0.5
1	2.4	75.0	-0.4
2	2.7	70.0	-0.7
3	2.7	60.0	-0.7
4	3.0	55.0	-0.7
5	3.3	60.0	-0.7
6	3.3	70.0	-0.7
7	3.6	75.0	-0.9
8	3.3	70.0	-1.1
9	2.7	70.0	-1.3
10	2.4	65.0	-1.4
11	2.7	85.0	-1.6
12	3.3	110.0	-1.7
13	3.6	135.0	-1.5
14	3.3	145.0	-1.6
15	3.3	155.0	-1.7
16	3.0	165.0	-1.6
17	3.3	142.3	-1.4
18	3.3	165.1	-1.3
19	3.6	133.7	-1.2
20	3.8	122.4	-1.1
21	3.9	123.7	-0.9
22	4.2	92.1	-0.9
23	4.5	99.1	-0.9
24	4.5	98.3	-0.9
1	4.8	100.2	-1.0
2	3.9	105.1	-1.1
3	3.0	106.4	-1.1
4	2.4	110.2	-1.0
5	2.7	123.3	-1.0
6	3.3	115.8	-1.1
7	3.6	125.9	-1.1
8	3.9	127.1	-1.0
9	3.9	128.8	-1.1
10	4.2	169.7	-1.1
11	6.6	252.7	-1.1
12	8.7	309.8	-1.2
13	10.8	310.2	-1.2
14	11.1	311.1	-1.3
15	11.7	306.8	-1.2
16	12.0	304.6	-1.2
17	12.6	305.1	-1.3
18	13.2	305.4	-1.2
19	13.8	305.3	-1.2
20	12.0	307.4	-1.2
21	10.8	316.1	-1.2
22	9.0	313.7	-1.2
23	8.4	313.5	-1.2
24	7.8	322.0	-1.2

1	7.2	316.9	-1.3
2	7.2	315.2	-1.3
3	7.2	312.8	-1.2
4	7.2	317.0	-1.2
5	6.6	321.9	-1.3
6	6.0	315.6	-1.2
7	5.4	312.5	-1.2
8	5.1	318.5	-1.2
9	4.5	360.0	-2.0

STOP TIME MAY 26,1992 HOUR 8 MINUTE 25

STARTING TIME MAY 26,1992 HOUR 11 MINUTE 24

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	3.6	45.0	-1.4
12	3.0	65.0	-1.4
13	2.4	85.0	-1.4
14	2.7	95.0	-1.4
15	2.7	125.0	-1.4
16	3.0	140.0	-1.4
17	2.4	150.0	-1.4
18	2.0	160.0	-1.3
19	2.0	180.0	-1.0
20	2.0	185.0	1.0
21	2.0	195.0	1.5
22	2.0	205.0	2.0
23	2.0	220.0	7.8
24	2.0	235.0	7.3
1	2.0	245.0	2.9
2	2.1	285.0	3.0
3	2.1	330.0	3.0
4	2.4	15.0	3.0
5	2.1	360.0	3.0
6	2.1	345.0	2.7
7	2.0	335.0	1.8
8	2.0	350.0	1.0
9	2.0	360.0	-0.6

STOP TIME MAY 27,1992 HOUR 8 MINUTE 17

RELEASE NUMBER 92060 CONTAINMENT PURGE

STARTING TIME MAY 27,1992 HOUR 12 MINUTE 59

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	3.9	110.0	-1.2
13	4.8	155.0	-1.2
14	4.5	150.0	-1.3
15	4.5	140.0	-1.4
16	4.2	135.0	-1.4
17	3.9	120.0	-1.4
18	3.3	105.0	-1.0
19	3.0	90.0	-0.4
20	2.4	105.0	1.5
21	2.0	125.0	1.5
22	2.0	145.0	1.9
23	2.0	165.0	2.5
24	2.0	180.0	2.9
1	2.0	190.0	3.1
2	2.0	230.0	3.1
3	2.0	280.0	3.3
4	2.0	325.0	3.7
5	2.1	345.0	3.9
6	2.7	5.0	3.5
7	3.6	55.0	1.2

STOP TIME MAY 28,1992 HOUR 6 MINUTE 30

RELEASE NUMBER 92061 CONTAINMENT PURGE

STARTING TIME MAY 28,1992 HOUR 12 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
12	3.3	115.0	-1.2
13	6.3	135.0	-0.8
14	6.0	130.0	-0.9
15	6.3	105.0	-2.3
16	6.8	90.0	-1.7
17	5.4	85.0	-1.7
18	5.9	85.0	-1.6
19	5.1	80.0	-1.5
20	4.4	75.0	-1.2
21	1.5	75.0	0.7
22	3.9	70.0	2.7
23	3.2	90.0	3.8
24	2.2	105.0	4.5
1	1.7	125.0	4.7
2	1.2	140.0	4.9
3	0.8	150.0	5.6
4	1.2	165.0	7.1
5	0.9	155.0	6.5
6	0.4	145.0	5.8
7	0.4	135.0	5.4
8	0.5	135.0	2.6
9	1.7	135.0	-0.4
10	2.9	135.0	-1.2

STOP TIME MAY 29,1992 HOUR 9 MINUTE 37

STARTING TIME MAY 29,1992 HOUR 14 MINUTE 58

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	2.5	160.0	-3.3
15	7.8	160.0	-1.3
16	6.4	155.0	-1.6
17	5.0	125.0	-1.8
18	4.6	85.0	-1.5
19	3.9	45.0	-1.5
20	3.4	65.0	-1.2
21	0.7	85.0	0.9
22	0.6	105.0	3.5
23	1.0	115.0	5.1
24	2.5	125.0	5.9
1	1.6	135.0	5.5
2	3.4	135.0	5.0
3	2.8	190.0	4.5
4	2.5	215.0	4.6
5	3.8	210.0	3.6

6	1.6	210.0	5.7
7	1.7	205.0	4.6
8	2.0	220.0	2.2
9	3.5	240.0	-0.8
10	3.3	255.0	-1.4
11	3.3	235.0	-1.7
12	4.0	210.0	-1.5
13	5.8	185.0	-1.8
14	6.6	185.0	-1.8
15	7.6	185.0	-1.6
16	6.7	185.0	-1.7
17	6.8	175.0	-1.7
18	6.6	165.0	-1.6
19	6.9	155.0	-1.6
20	4.3	150.0	-1.1
21	2.5	140.0	0.8
22	1.9	135.0	3.8
23	3.4	130.0	4.8
24	5.0	130.0	2.5
1	4.4	136.9	2.6
2	2.8	78.6	3.3
3	4.3	104.2	2.4
4	5.0	180.3	3.7
5	4.1	190.5	3.4
6	3.4	166.0	3.4
7	2.0	95.4	3.8
8	2.4	81.9	2.6
9	2.2	53.5	-0.6
10	4.6	97.2	-1.3
11	6.9	154.3	-1.6
12	7.7	148.4	-1.6
13	9.7	126.8	-1.6
14	9.1	133.8	-1.7
15	7.7	137.4	-1.5
16	7.6	165.3	-1.5
17	9.4	138.8	-1.7
18	11.5	130.0	-1.3
19	5.2	117.4	-0.2
20	2.1	144.8	-0.2
21	6.2	158.8	-0.1
22	10.4	190.8	-1.0
23	0.7	197.6	-0.7
24	2.3	255.7	-0.7
1	2.1	9.0	-0.8
2	1.9	30.6	-0.9
3	2.8	29.8	-0.9
4	2.9	37.0	-0.9
5	3.6	45.7	-0.7
6	4.3	71.0	-0.9
7	7.1	78.7	-0.9
8	9.8	79.2	-1.0
9	7.2	84.1	-1.0

STOP TIME JUNE 1,1992 HOUR 8 MINUTE 7

RELEASE NUMBER 92062 CONTAINMENT PURGE

STARTING TIME JUNE 4,1992 HOUR 17 MINUTE 7

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	7.3	326.1	-1.6
18	6.8	322.5	-1.7
19	5.2	322.6	-1.4
20	3.7	317.6	-1.0
21	2.1	217.0	0.3
22	1.0	167.9	2.7
23	0.7	242.7	4.8
24	0.5	280.7	5.9
1	1.0	161.8	6.4
2	1.0	149.4	7.0
3	1.6	119.4	7.7

STOP TIME JUNE 5,1992 HOUR 2 MINUTE 10

STARTING TIME JUNE 5,1992 HOUR 2 MINUTE 50

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
2	1.0	149.4	7.0
3	1.6	119.4	7.7
4	1.3	99.5	6.3
5	1.5	193.1	5.0
6	2.3	243.6	5.9
7	4.2	110.7	7.3
8	2.9	106.6	4.2
9	4.8	60.8	-0.3
10	7.6	130.7	-1.5
11	11.6	149.8	-1.7

STOP TIME JUNE 5,1992 HOUR 10 MINUTE 17

RELEASE NUMBER 92062 CONTAINMENT PURGE

STARTING TIME JUNE 5,1992 HOUR 11 MINUTE 33

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
11	11.6	149.6	-1.7
12	14.8	139.7	-1.8
13	15.5	140.8	-1.8
14	15.7	127.0	-2.0
15	15.3	129.2	-1.8
16	11.5	146.1	-1.6
17	8.1	180.4	-1.4
18	6.6	141.2	-1.1
19	4.3	130.0	-0.2
20	2.1	247.5	0.6
21	4.0	227.8	2.1
22	11.2	170.3	0.8
23	14.0	133.0	-0.1
24	8.2	187.1	-0.4
1	2.3	276.5	-0.3
2	1.5	257.6	-0.4
3	1.4	259.3	-0.3
4	2.5	289.3	-0.7
5	4.9	299.1	-1.0
6	5.4	300.2	-1.0
7	5.3	295.2	-1.0
8	5.6	300.6	-1.2
9	7.8	300.9	-1.2
10	8.4	309.9	-1.4
11	9.1	311.1	-1.6
12	9.0	313.3	-1.7
13	8.0	307.3	-1.9
14	7.2	309.9	-1.9
15	8.0	320.4	-1.9
16	7.6	321.0	-1.9
17	7.1	323.7	-1.8
18	6.6	317.7	-1.6
19	6.5	312.2	-1.3
20	5.0	311.3	-1.1
21	2.8	320.1	-0.5
22	0.6	224.7	2.0
23	1.4	247.9	3.2
24	2.1	254.1	3.2
1	1.0	143.5	3.9
2	1.2	172.4	4.0
3	0.5	251.5	4.2
4	0.7	237.4	4.4
5	0.9	125.1	4.1
6	0.9	177.2	4.0
7	1.2	224.5	3.4
8	2.5	74.7	0.5
9	5.3	71.0	-1.2
10	4.6	75.1	-1.4
11	7.5	110.9	-1.6

12	8.2	120.7	-1.7
13	10.2	140.8	-1.8
14	10.9	139.0	-1.9
15	12.1	128.9	-1.9
16	13.3	131.3	-1.8
17	13.6	146.8	-1.6
18	13.0	131.9	-1.6
19	12.7	131.2	-1.5
20	9.2	124.6	-1.0
21	8.3	134.6	-0.7
22	5.6	139.4	-0.1
23	1.4	137.1	2.0
24	5.9	124.1	1.0

STOP TIME JUNE 7,1992 HOUR 23 MINUTE 20

STARTING TIME JUNE 7,1992 HOUR 23 MINUTE 45

IME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
23	1.4	137.1	2.0
24	5.9	124.1	1.0
1	5.7	127.7	-0.1
2	4.8	122.7	0.2
3	6.6	150.3	-0.2
4	5.0	169.8	1.3
5	5.1	126.1	1.5
6	5.5	128.7	.0
7	2.1	85.4	-1.0
8	3.5	95.8	-0.4
9	4.7	91.4	-1.1
10	3.7	103.8	-1.2

STOP TIME JUNE 8,1992 HOUR 9 MINUTE 27

RELEASE NUMBER 92063 CONTAINMENT PURGE

STARTING TIME JUNE 21,1992 HOUR 21 MINUTE 26

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
21	4.1	144.7	0.7
22	4.0	157.4	1.8
23	5.2	178.6	1.4
24	5.4	183.1	1.4
1	1.9	292.3	2.5
2	1.2	310.1	2.9
3	1.6	41.2	3.1
4	1.4	48.0	3.5
5	0.9	119.5	3.8
6	0.7	140.1	4.1
7	0.4	6.0	4.0
8	0.7	281.2	2.6
9	1.5	296.0	-0.5
10	2.6	330.0	-1.3
11	2.4	344.9	-1.5
12	3.5	213.0	-1.7
13	5.4	218.2	-1.8
14	5.5	201.8	-1.8
15	2.9	292.5	-1.5
16	3.5	206.3	-1.7
17	4.8	106.1	-1.6
18	5.4	85.8	-1.7
19	5.3	90.6	-1.6
20	3.7	105.6	-1.0
21	2.7	180.3	0.7
22	1.4	202.3	2.8
23	.6	207.6	3.0
24	1.0	148.7	4.4
1	1.0	301.6	4.9
2	1.0	333.4	6.2
3	0.4	172.7	6.2
4	0.6	94.8	6.3
5	0.6	147.6	5.3
6	0.4	214.8	5.4
7	0.6	301.4	5.6
8	0.7	326.4	3.7
9	1.2	12.5	0.7
10	2.3	350.7	-1.2
11	2.7	336.7	-1.5
12	4.1	183.7	-1.8
13	4.9	287.5	-1.9
14	5.9	147.4	-1.8
15	6.4	157.9	-1.9
16	6.4	139.7	-1.9
17	7.0	149.4	-1.8
18	6.6	154.8	-1.7
19	5.4	143.1	-1.4
20	3.8	164.7	-0.8
21	4.1	173.5	0.6

22	4.6	181.9	1.6
23	5.2	183.8	2.2
24	3.4	190.6	2.6
1	1.3	88.1	4.4
2	2.8	103.6	4.2
3	1.0	132.5	5.1
4	0.3	221.9	5.1
5	2.0	119.2	5.3
6	1.9	120.1	5.4
7	1.0	159.0	5.4
8	2.0	98.1	1.6
9	5.2	100.3	-0.3
10	6.4	123.2	-1.4
11	8.2	142.2	-1.6
12	10.4	128.9	-1.7
13	10.0	138.1	-0.7
14	2.8	289.2	-0.6
15	8.7	83.8	-1.3
16	14.2	114.7	-1.3
17	12.3	344.4	-1.3
18	11.3	130.8	-1.2
19	7.9	144.0	-1.0
20	8.6	137.7	-0.9
21	8.4	134.0	-0.7
22	6.1	136.4	-0.2
23	6.4	135.4	0.2
24	7.3	129.7	0.6
1	7.2	140.1	0.5
2	6.2	144.6	0.7
3	2.5	113.4	1.1
4	1.9	100.1	2.3
5	0.8	90.9	2.3
6	1.0	117.9	1.7
7	3.0	96.9	1.7
8	3.1	81.1	0.1
9	4.5	80.5	-1.1

STOP TIME JUNE 15,1992 HOUR 8 MINUTE 9

RELEASE NUMBER 92064 CONTAINMENT PURGE

STARTING TIME JUNE 19,1992 HOUR 10 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
10	3.4	80.2	-0.6
11	2.9	133.3	-0.9
12	3.3	149.2	-1.4
13	4.5	209.1	-1.6
14	6.2	217.4	-1.7
15	6.3	229.7	-1.7
16	7.0	232.6	-1.5
17	5.8	248.3	-1.5
18	6.1	311.6	-1.2
19	6.0	319.5	-1.1
20	6.1	327.3	-1.0
21	5.2	326.7	-0.8
22	5.3	324.0	-0.8
23	2.9	324.9	-0.7
24	4.2	331.0	-0.7
1	4.5	332.1	-0.8
2	4.0	324.0	-0.8
3	2.9	291.4	-0.4
4	2.9	291.6	-0.1
5	3.0	295.2	-0.7
6	3.6	300.3	0.9
7	3.4	301.2	0.9
8	4.0	320.8	-1.2
9	4.5	349.2	-1.3
10	5.3	359.3	-1.4
11	6.0	353.5	-1.5
12	5.9	319.8	-1.6
13	6.9	323.3	-1.7
14	7.3	329.7	-1.7
15	6.3	331.3	-1.8
16	5.5	340.5	-1.7
17	5.3	325.8	-1.6
18	4.7	336.4	-1.4
19	3.8	325.3	-1.2
20	2.7	325.4	-1.0
21	1.4	316.2	-0.4
22	1.0	247.2	0.9
23	0.8	221.0	2.2
24	1.0	249.0	1.9
1	1.3	255.8	2.3
2	1.2	251.1	2.5
3	1.5	262.9	2.4
4	1.3	251.3	2.4
5	1.1	256.5	2.4
6	1.2	251.2	2.6
7	0.9	309.5	2.4
8	1.5	257.6	0.8
9	2.7	51.6	-1.4
10	5.1	80.8	-1.6

11	5.4	154.2	-1.8
12	4.0	5.5	-1.7
13	3.2	301.5	-1.9
14	3.7	341.0	-1.9
15	4.6	335.3	-2.0
16	4.5	165.7	-1.9
17	5.2	129.1	-1.8
18	5.8	150.4	-1.6
19	6.7	125.7	-1.5
20	6.3	115.8	-1.3
21	5.3	125.9	-0.3
22	5.5	129.4	0.5
23	7.7	132.9	0.8
24	7.2	127.3	0.3
1	7.9	125.4	-0.2
2	9.3	139.0	-0.8
3	9.6	140.5	-0.9
4	8.6	144.8	-0.8
5	9.3	153.9	-0.2
6	10.9	164.9	-0.7
7	13.8	179.0	-0.7
8	13.4	181.7	-1.0
9	10.4	195.7	-1.3
10	7.4	226.6	-1.7

STOP TIME JUNE 22,1992 HOUR 9 MINUTE 42

RELEASE NUMBER 92065 CONTAINMENT PURGE

STARTING TIME JUNE 25,1992 HOUR 14 MINUTE 9

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
14	8.6	319.6	-1.9
15	8.7	323.7	-1.8
16	9.6	204.0	-1.9
17	8.1	318.9	-1.7
18	7.7	319.6	-1.5
19	7.1	314.5	-1.3
20	6.1	317.8	1.0
21	4.3	312.9	-0.4
22	3.0	302.6	0.8
23	2.8	277.1	1.3
24	3.2	322.0	-0.2
1	1.5	324.0	-0.3
2	0.6	228.3	0.9
3	1.4	246.1	1.8
4	1.5	259.3	1.8
5	1.0	245.6	1.9
6	1.4	245.7	-1.5
7	1.9	233.8	-1.5
8	2.3	280.6	-1.6
9	2.7	327.0	-1.7
10	3.0	7.1	-1.8
11	3.6	354.5	-1.8
12	4.3	339.9	-1.9
13	5.1	313.9	-1.6
14	4.3	332.6	-1.9
15	4.6	334.5	-1.9
16	4.9	329.3	-1.9
17	4.1	11.8	-1.8
18	4.1	353.2	-1.7
19	3.1	25.8	-1.5
20	2.6	35.7	-1.2
21	1.9	15.0	-0.4
22	0.6	195.2	2.3
23	1.1	137.1	3.4
24	0.8	281.3	4.1
1	1.3	16.3	4.4
2	1.3	133.5	3.8
3	3.5	92.7	2.5
4	4.1	95.6	1.7
5	3.5	99.6	0.5
6	3.1	99.7	0.9
7	4.1	87.1	1.0
8	4.4	88.4	-0.5
9	4.6	90.4	-0.8
10	7.3	108.6	-1.3
11	9.4	130.5	-1.5
12	10.6	129.2	-1.5
13	10.5	133.5	-1.6
14	8.9	123.3	-1.3

15	7.9	134.5	-1.5
16	6.1	128.9	-1.4
17	5.9	120.4	-1.4
18	5..	129.5	-1.1
19	4.9	120.3	-1.1
20	4.5	129.8	-0.7
21	3.7	129.4	0.2
22	2.3	120.6	1.2
23	5.5	135.8	1.0
24	3.8	149.1	0.8
1	2.2	123.8	2.2
2	2.6	139	2.9
3	3.9	110	2.0
4	5.5	113.9	1.6
5	3.3	102.7	1.0
6	6.2	124.7	0.6
7	1.6	42.8	1.4
8	3.5	92.5	0.1
9	5.7	344.4	-0.6
10	8.1	138.4	-1.5
11	8.7	152.9	-1.6
12	8.4	150.2	-1.7
13	7.5	142.1	-1.9
14	7.2	178.9	-1.7
15	7.0	146.2	-1.8
16	8.0	136.7	-1.7
17	8.1	135.2	-1.6
18	8.5	136.5	-1.5
19	6.9	122.9	-1.3
20	4.8	111.2	-1.0
21	5.0	133.8	0.1
22	3.6	157.4	1.4
23	5.4	147.1	0.8
24	4.5	165.7	1.7
1	2.8	147.4	2.4
2	6.0	166.6	2.2
3	7.3	169.8	2.0
4	2.8	282.9	1.7
5	1.8	317.8	1.6
6	2.8	78.5	0.4
7	2.3	330.3	0.8
8	2.4	145.1	-0.5
9	2.7	223.4	-1.0

STOP TIME JUNE 29,1992 HOUR 8 MINUTE 22

RELEASE NUMBER 92001 DECAY TANK PURGE

STARTING TIME JAN 6,1992 HOUR 16 MINUTE 48

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
16	7.0	306.0	-0.8
17	8.0	35.8	-0.7
18	10.1	300.4	-0.6
19	10.2	298.5	-0.5
20	7.9	296.4	-0.6
21	6.6	298.0	-0.7
22	5.5	273.0	-0.4
23	6.5	277.9	-0.4
24	8.2	288.7	-0.5
1	8.0	290.9	-0.6
2	9.8	291.9	-0.6

STOP TIME JAN 7,1992 HOUR 1 MINUTE 40

RELEASE NUMBER 92002 DECAY TANK PURGE

STARTING TIME JAN 31,1992 HOUR 20 MINUTE 43

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
20	5.4	119.2	2.?
21	4.2	91.1	2.8
22	4.0	124.2	2.8
23	5.2	116.9	1.8
24	6.3	110.5	1.5
1	6.2	115.8	0.3
2	5.2	114.1	0.2
3	5.9	118.6	0.3
4	5.5	120.1	0.4

STOP TIME FEB 1,1992 HOUR 3 MINUTE 45

RELEASE NUMBER 92003 DECAY TANK PURGE

STARTING TIME FEB 27,1992 HOUR 20 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
20	2.4	310.0	2.0
21	2.4	295.0	2.1
22	2.4	265.0	2.5
23	3.0	255.0	2.5
24	3.6	245.0	3.0
1	4.2	230.0	3.1
2	4.5	235.0	3.0
3	4.5	245.0	3.0
4	4.8	250.0	2.9

STOP TIME FEB 28,1992 HOUR 3 MINUTE 52

RELEASE NUMBER 92004 DECAY TANK PURGE

STARTING TIME FEB 28,1992 HOUR 8 MINUTE 35

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
8	8.1	315.0	-1.1
9	9.6	325.0	-1.5
10	10.8	335.0	-1.6
11	11.1	330.0	-1.6
12	11.7	330.0	-1.5
13	12.0	325.0	-1.4

STOP TIME FEB 28,1992 HOUR 12 MINUTE 4

RELEASE NUMBER 92005 DECAY TANK PURGE

STARTING TIME MAR 13,1992 HOUR 13 MINUTE 55

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
13	6.0	285.0	-1.8
14	8.4	305.0	-1.7
15	10.8	325.0	-1.5

STOP TIME MAR 13,1992 HOUR 14 MINUTE 38

STARTING TIME MAR 14,1992 HOUR 5 MINUTE 45

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
5	2.1	260.0	4.1
6	2.7	260.0	3.0

STOP TIME MAR 14,1992 HOUR 5 MINUTE 53

RELEASE NUMBER 92006 DECAY TANK PURGE

STARTING TIME MAR 15,1992 HOUR 3 MINUTE 20

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
3	2.1	50.0	4.1
4	2.4	35.0	4.1
5	2.4	30.0	4.1
6	2.4	30.0	3.5
7	2.4	25.0	-0.9
8	2.4	20.0	-1.2
9	2.4	20.0	-1.5
10	2.4	15.0	-1.6

STOP TIME MAR 15,1992 HOUR 9 MINUTE 54

RELEASE NUMBER 92007 DECAY TANK PURGE

STARTING TIME APR 27,1992 HOUR 6 MINUTE 3

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
6	1.6	251.8	2.5
7	2.1	297.6	2.1
8	2.1	299.9	1.9
9	2.6	309.2	-0.2
10	2.7	339.2	-1.1
11	3.0	11.8	-1.4
12	4.6	319.7	-1.4
13	5.5	217.7	-1.5
14	6.6	188.9	-1.3
15	7.8	129.9	-1.4

STOP TIME APR 27,1992 HOUR 14 MINUTE 2

RELEASE NUMBER 92008 DECAY TANK PURGE

STARTING TIME JUNE 8,1992 HOUR 17 MINUTE 53

TIME HOUR	WS10 MPH	WD10 DEG	DT110 DEG C
17	6.3	76.1	-1.4
18	4.7	75.4	-1.2
19	3.5	77.6	-1.0
20	1.8	70.7	-1.0
21	4.9	127.3	-0.9
22	9.7	102.9	-0.6
23	3.7	79.0	-0.1
24	1.1	220.7	0.1
1	0.9	196.5	0.6

STOP TIME JUNE 9,1992 HOUR 0 MINUTE 17

SECTION VII

POTENTIAL DOSES TO INDIVIDUALS AND POPULATIONS

(Regulatory Guide 1.21)

January 1, 1992 - June 30, 1992

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 the GASPAR program. Results to each receptor are shown in Tables VII-A-1 through VII-A-33. Also, the doses to the same groups, Table VII-B-1, 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 1, 1992 through June 30, 1992 were as follows:

(1) All gaseous effluents were as described in Section III.

(2) Entrained gases (Xe-131M, Xe-133M, Xe-133, Xe-135, and Kr-88) from Liquid effluents were described in Section IV.

(3) Semi-Annual "X/Qs" at the actual receptor locations, which are corrected for open terrain and plume depletion are calculated according to Regulatory Guide 1.111. Also included are semiannual deposition rates corrected for the open terrain factor.

(4) The production, intake and grazing fractions were as follows: 1.0 for leafy vegetables grown in garden of interest, 0.76 for produce grown in garden of interest, 0.5 for the pasture grazing season of the milk animal, 1.0 for pasture grazing season of the meat animal, and 8 g/m^3 for the air water (humidity) concentrations.

Potential Semiannual Doses to Individuals from Gaseous Releases (Con't)

(5) All dose factors, transport times from receptor to individual, and usage factors are defined by Regulatory Guide 1.109 and NUREG-0172.

(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/Qs" 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 the environment in an extremely conservative manner.

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. Results are shown in Table VII-C-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 760,413, based on the 1990 census, was used to define the sector segments within a 50 mile radius of the plant.

Potential Semiannual Doses to Population from Gaseous Releases (Con't)

(2) Production of milk, meat, and vegetation are 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

The body, skin and organ mrem for liquid releases were calculated for all significant liquid pathways using the annual configuration of the LADTAP program. Dose conversion factors used by LADTAP for ingestion and shoreline deposition are shown in Table VII-D-1. Results are shown in Tables VII-D-2 through VII-D-9.

The inputs to LADTAP for the semiannual period from January 1, 1992 thru June 30, 1992 were as follows:

(1) All liquid effluents were as described in Section IV, except for the entrained gases (Xe-131M, Xe-133M, Xe-133, Xe-135, and Kr-88).

(2) A plant discharge rate of 802.0 cubic feet per second (CFS) was utilized.

(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 Table VII-D-2 through VII-D-5 was used. For Tables VII-D-6 through VII-D-9, a transport time of 0.0 was used from the plant to the discharge site.

(5) A shorewidth factor of 0.2 was used.

Potential Semiannual Doses to Individuals from Liquid Releases (Con't)

(6) All dose factors, transport times from receptor to individual, and usage factors are defined by Regulatory Guide 1.109 and NUREG-0172.

The discharge site in Tables VII-D-6 through VII-D-9 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 760,413 within a 50 mile radius of the plant. Results are shown in Tables VII-E-1 through VII-E-6. The same input was used as in the individual cases with the addition of the following:

(1) Dilution factors and transport times for the pathways of sportfish, commercial fish, recreation and biota were calculated based on a distance of two miles downstream as approximately the distance to the nearest recreational facility - DeSoto Bend 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, attributed to the gamma radiation emitted from the containment structure, were not observed above local background at any TLD sample locations for this semiannual period.

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-29-92
SPECIAL LOCATION # 1 RES,VEG
AT 4.58 MILES N

TABLE VII-A-1

BETA AIR DOSE = 8.66E-04 MILLRADS
GAMMA AIR DOSE = 2.91E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.79E-04	4.97E-04
GROUND	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.47E-07	1.73E-07
VEGET								
ADULT	5.58E-05	5.34E-05	1.21E-05	5.35E-05	5.31E-05	1.17E-04	5.30E-05	5.28E-05
TEEN	6.42E-05	6.12E-05	1.52E-05	6.15E-05	6.08E-05	1.13E-04	6.09E-05	6.04E-05
CHILD	1.00E-04	9.42E-05	2.60E-05	9.54E-05	9.41E-05	1.74E-04	9.44E-05	9.36E-05
INHAL								
ADULT	2.93E-05	2.93E-05	7.05E-07	2.93E-05	2.93E-05	4.71E-05	2.94E-05	2.92E-05
TEEN	2.95E-05	2.94E-05	7.88E-07	2.95E-05	2.95E-05	5.13E-05	2.97E-05	2.94E-05
CHILD	2.61E-05	2.60E-05	7.81E-07	2.61E-05	2.61E-05	5.03E-05	2.62E-05	2.60E-05
INFANT	1.50E-05	1.50E-05	3.45E-07	1.50E-05	1.50E-05	3.72E-05	1.51E-05	1.50E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92

TABLE VII-A-2

SPECIAL LOCATION # 2 RES,VEG
AT 1.86 MILES NNE

BETA AIR DOSE = 4.34E-03 MILLRADS
GAMMA AIR DOSE = 1.50E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	8.78E-04	8.78E-04	8.78E-04	8.78E-04	8.78E-04	8.78E-04	8.78E-04	2.51E-03
GROUND	8.03E-07	8.03E-07	8.03E-07	8.03E-07	8.03E-07	8.03E-07	8.03E-07	9.44E-07
VEGET								
ADULT	2.76E-04	2.63E-04	6.58E-05	2.64E-04	2.62E-04	6.11E-04	2.61E-04	2.60E-04
TEEN	3.19E-04	3.01E-04	8.27E-05	3.03E-04	2.99E-04	5.89E-04	3.00E-04	2.97E-04
CHILD	4.96E-04	4.64E-04	1.42E-04	4.71E-04	4.63E-04	9.02E-04	4.65E-04	4.61E-04
INHAL								
ADULT	1.44E-04	1.44E-04	3.82E-06	1.44E-04	1.44E-04	2.36E-04	1.45E-04	1.44E-04
TEEN	1.45E-04	1.45E-04	4.27E-06	1.45E-04	1.45E-04	2.59E-04	1.46E-04	1.45E-04
CHILD	1.29E-04	1.28E-04	4.22E-06	1.29E-04	1.29E-04	2.54E-04	1.29E-04	1.28E-04
INFANT	7.39E-05	7.37E-05	1.86E-06	7.41E-05	7.40E-05	1.89E-04	7.46E-05	7.36E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 3 RES
AT 1.47 MILES NE

TABLE VII-A-3

BETA AIR DOSE = 8.87E-03 MILLRADS
GAMMA AIR DOSE = 3.05E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.88E-03	5.12E-03
GROUND	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.47E-06
INHAL								
ADULT	2.95E-04	2.94E-04	7.93E-06	2.95E-04	2.95E-04	4.84E-04	2.96E-04	2.94E-04
TEEN	2.97E-04	2.96E-04	8.86E-06	2.97E-04	2.97E-04	5.30E-04	2.99E-04	2.96E-04
CHILD	2.63E-04	2.62E-04	8.77E-06	2.63E-04	2.63E-04	5.21E-04	2.64E-04	2.62E-04
INFANT	1.51E-04	1.50E-04	3.86E-06	1.51E-04	1.51E-04	3.88E-04	1.52E-04	1.50E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 4 VEG
AT 3.32 MILES NE

TABLE VII-A-4

BETA AIR DOSE = 1.69E-03 MILLRADS
GAMMA AIR DOSE = 5.69E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.33E-04	3.33E-04	3.33E-04	3.33E-04	3.33E-04	3.33E-04	3.50E-04	9.62E-04
GROUND	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	2.13E-07
VEGET								
ADULT	1.07E-04	1.04E-04	1.49E-05	1.04E-04	1.03E-04	1.82E-04	1.03E-04	1.03E-04
TEEN	1.22E-04	1.19E-04	1.87E-05	1.19E-04	1.18E-04	1.83E-04	1.18E-04	1.18E-04
CHILD	1.90E-04	1.83E-04	3.22E-05	1.85E-04	1.83E-04	2.81E-04	1.83E-04	1.82E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 5 RES,VEG
AT 4.79 MILES ENE

TABLE VII-A-5

BETA AIR DOSE = 9.26E-04 MILLRADS
GAMMA AIR DOSE = 3.10E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.81E-04	1.81E-04	1.81E-04	1.81E-04	1.81E-04	1.81E-04	1.90E-04	5.25E-04
GROUND	6.49E-08	6.49E-08	6.49E-08	6.49E-08	6.49E-08	6.49E-08	6.49E-08	7.63E-08
VEGET								
ADULT	5.80E-05	5.69E-05	5.33E-06	5.69E-05	5.68E-05	8.48E-05	5.67E-05	5.66E-05
TEEN	6.65E-05	6.51E-05	6.71E-06	6.53E-05	6.50E-05	8.82E-05	6.50E-05	6.48E-05
CHILD	1.03E-04	1.01E-04	1.15E-05	1.01E-04	1.01E-04	1.36E-04	1.01E-04	1.00E-04
INHAL								
ADULT	3.14E-05	3.14E-05	7.50E-07	3.14E-05	3.15E-05	5.04E-05	3.15E-05	3.14E-05
TEEN	3.17E-05	3.16E-05	8.39E-07	3.17E-05	3.17E-05	5.49E-05	3.18E-05	3.16E-05
CHILD	2.80E-05	2.79E-05	8.31E-07	2.80E-05	2.80E-05	5.39E-05	2.82E-05	2.79E-05
INFANT	1.61E-05	1.61E-05	3.68E-07	1.61E-05	1.61E-05	3.98E-05	1.62E-05	1.61E-05

CALHOUN RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 6 RES
AT 4.67 MILES E

TABLE VII-A-6

BETA AIR DOSE = 1.01E-03 MILLRADS
GAMMA AIR DOSE = 3.41E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.99E-04	1.99E-04	1.99E-04	1.99E-04	1.99E-04	1.99E-04	2.09E-04	5.76E-04
GROUND	8.94E-08	8.94E-08	8.94E-08	8.94E-08	8.94E-08	8.94E-08	8.94E-08	1.05E-07
INHAL								
ADULT	3.42E-05	3.41E-05	7.17E-07	3.42E-05	3.42E-05	5.49E-05	3.43E-05	3.41E-05
TEEN	3.44E-05	3.44E-05	9.13E-07	3.44E-05	3.45E-05	5.98E-05	3.46E-05	3.43E-05
CHILD	3.05E-05	3.04E-05	9.05E-07	3.05E-05	3.05E-05	5.87E-05	3.06E-05	3.04E-05
INFANT	1.75E-05	1.75E-05	4.00E-07	1.76E-05	1.75E-05	4.33E-05	1.77E-05	1.75E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 7 VEG
AT 4.92 MILES E

TABLE VII-A-7

BETA AIR DOSE = 9.27E-04 MILLRADS
GAMMA AIR DOSE = 3.12E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.82E-04	1.82E-04	1.82E-04	1.82E-04	1.82E-04	1.82E-04	1.92E-04	5.27E-04
GROUND	8.35E-08	8.35E-08	8.35E-08	8.35E-08	8.35E-08	8.35E-08	8.35E-08	9.82E-08
VEGET								
ADULT	5.81E-05	5.67E-05	6.86E-06	5.68E-05	5.66E-05	9.27E-05	5.65E-05	5.63E-05
TEEN	6.66E-05	6.49E-05	8.62E-06	6.51E-05	6.47E-05	9.46E-05	6.48E-05	6.45E-05
CHILD	1.04E-04	1.00E-04	1.48E-05	1.01E-04	1.00E-04	1.46E-04	1.00E-04	9.99E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 8 RES.VEG
AT 4.19 MILES ESE

TABLE VII-A-8

BETA AIR DOSE = 1.19E-03 MILLRADS
GAMMA AIR DOSE = 4.05E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.37E-04	2.37E-04	2.37E-04	2.37E-04	2.37E-04	2.37E-04	2.49E-04	6.81E-04
GROUND	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.80E-07
VEGET								
ADULT	7.46E-05	7.21E-05	1.25E-05	7.22E-05	7.18E-05	1.38E-04	7.17E-05	7.15E-05
TEEN	8.57E-05	8.26E-05	1.58E-05	8.29E-05	8.22E-05	1.37E-04	8.23E-05	8.18E-05
CHILD	1.33E-04	1.27E-04	2.71E-05	1.29E-04	1.27E-04	2.10E-04	1.28E-04	1.27E-04
INHAL								
ADULT	3.97E-05	3.96E-05	9.58E-07	3.97E-05	3.97E-05	6.39E-05	3.98E-05	3.96E-05
TEEN	4.00E-05	3.99E-05	1.07E-06	4.00E-05	4.00E-05	6.97E-05	4.02E-05	3.98E-05
CHILD	3.54E-05	3.52E-05	1.06E-06	3.54E-05	3.54E-05	6.84E-05	3.55E-05	3.52E-05
INFANT	2.03E-05	2.03E-05	4.70E-07	2.04E-05	2.04E-05	5.06E-05	2.05E-05	2.03E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 9 RES,VEG
AT 1.68 MILES SE

TABLE VII-A-9

BETA AIR DOSE = 6.21E-03 MILLRADS
GAMMA AIR DOSE = 2.18E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.28E-03	1.28E-03	1.28E-03	1.28E-03	1.28E-03	1.28E-03	1.34E-03	3.62E-03
GROUND	2.15E-06	2.15E-06	2.15E-06	2.15E-06	2.15E-06	2.15E-06	2.15E-06	2.53E-06
VEGET								
ADULT	4.13E-04	3.78E-04	1.76E-04	3.79E-04	3.74E-04	1.31E-03	3.72E-04	3.68E-04
TEEN	4.77E-04	4.33E-04	2.22E-04	4.37E-04	4.27E-04	1.21E-03	4.29E-04	4.22E-04
CHILD	7.47E-04	6.62E-04	3.81E-04	6.80E-04	6.60E-04	1.84E-03	6.64E-04	6.53E-04
INHAL								
ADULT	2.05E-04	2.04E-04	5.45E-06	2.05E-04	2.05E-04	3.36E-04	2.05E-04	2.04E-04
TEEN	2.06E-04	2.06E-04	6.09E-06	2.06E-04	2.06E-04	3.68E-04	2.07E-04	2.05E-04
CHILD	1.82E-04	1.82E-04	6.02E-06	1.82E-04	1.82E-04	3.62E-04	1.83E-04	1.82E-04
INFANT	1.05E-04	1.04E-04	2.65E-06	1.05E-04	1.05E-04	2.69E-04	1.06E-04	1.04E-04

ORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 10 RES
AT 0.88 MILES SSE

TABLE VII-A-10

BETA AIR DOSE = 2.56E-02 MILLRADS
GAMMA AIR DOSE = 9.03E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	5.31E-03	5.31E-03	5.31E-03	5.31E-03	5.31E-03	5.31E-03	5.57E-03	1.50E-02
GROUND	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.38E-05
INHAL								
ADULT	8.40E-04	8.38E-04	2.33E-05	8.40E-04	8.40E-04	1.39E-03	8.43E-04	8.37E-04
TEEN	8.46E-04	8.44E-04	2.60E-05	8.46E-04	8.47E-04	1.52E-03	8.51E-04	8.43E-04
CHILD	7.48E-04	7.46E-04	2.57E-05	7.49E-04	7.49E-04	1.50E-03	7.53E-04	7.45E-04
INFANT	4.30E-04	4.29E-04	1.13E-05	4.31E-04	4.31E-04	1.12E-03	4.35E-04	4.29E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 11 VEG
AT 1.11 MILES SSE

TABLE VII-A-11

BETA AIR DOSE = 1.47E-02 MILLRADS
GAMMA AIR DOSE = 5.15E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.18E-03	8.56E-03
GROUND	6.22E-06	6.22E-06	6.22E-06	6.22E-06	6.22E-06	6.22E-06	6.22E-06	7.32E-06
VEGET								
ADULT	9.97E-04	8.98E-04	5.10E-04	9.00E-04	8.84E-04	3.60E-03	8.80E-04	8.68E-04
TEEN	1.15E-03	1.03E-03	6.41E-04	1.04E-03	1.01E-03	3.26E-03	1.01E-03	9.94E-04
CHILD	1.81E-03	1.56E-03	1.10E-03	1.62E-03	1.56E-03	4.97E-03	1.57E-03	1.54E-03

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 12 BEEF
AT 2.51 MILES SSE

TABLE VII-A-12

BETA AIR DOSE = 2.36E-03 MILLRADS
GAMMA AIR DOSE = 8.21E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.82E-04	4.82E-04	4.82E-04	4.82E-04	4.82E-04	4.82E-04	5.06E-04	1.37E-03
GROUND	8.29E-07	8.29E-07	8.29E-07	8.29E-07	8.29E-07	8.29E-07	8.29E-07	9.75E-07
MEAT								
ADULT	2.12E-05	2.18E-05	4.97E-06	2.31E-05	2.05E-05	6.45E-05	2.17E-05	2.02E-05
TEEN	1.28E-05	1.31E-05	3.89E-06	1.45E-05	1.23E-05	4.42E-05	1.35E-05	1.21E-05
CHILD	1.59E-05	1.52E-05	7.08E-06	1.80E-05	1.48E-05	6.30E-05	1.64E-05	1.46E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 13 RES.VEG
AT 0.72 MILES S

TABLE VII . -13

BETA AIR DOSE = 3.21E-02 MILLRADS
GAMMA AIR DOSE = 1.13E-02 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.66E-03	6.66E-03	6.66E-03	6.66E-03	6.66E-03	6.66E-03	6.98E-03	1.88E-02
GROUND	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.12E-05	1.32E-05
VEGET								
ADULT	2.13E-03	1.95E-03	9.18E-04	1.96E-03	1.93E-03	6.82E-03	1.92E-03	1.90E-03
TEEN	2.46E-03	2.23E-03	1.15E-03	2.26E-03	2.20E-03	6.26E-03	2.21E-03	2.17E-03
CHILD	3.86E-03	3.41E-03	1.98E-03	3.51E-03	3.41E-03	9.55E-03	3.43E-03	3.37E-03
INHAL								
ADULT	1.06E-03	1.05E-03	2.96E-05	1.06E-03	1.06E-03	1.75E-03	1.06E-03	1.05E-03
TEEN	1.06E-03	1.06E-03	3.30E-05	1.06E-03	1.06E-03	1.92E-03	1.07E-03	1.06E-03
CHILD	9.40E-04	9.37E-04	3.27E-05	9.41E-04	9.41E-04	1.89E-03	9.46E-04	9.36E-04
INFANT	5.40E-04	5.39E-04	1.44E-05	5.42E-04	5.41E-04	1.41E-03	5.46E-04	5.38E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 14 BEEF
AT 1.98 MILES S

TABLE VII-A-14

BETA AIR DOSE = 3.06E-[illegible] MILLIRAD
GAMMA AIR DOSE = 1.07E-[illegible] MILLIRAD

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.26E-04	6.26E-04	6.26E-04	6.26E-04	6.26E-04	6.26E-04	6.56E-04	1.78E-03
GROUND	8.67E-07	8.67E-07	8.67E-07	8.67E-07	8.67E-07	8.67E-07	8.67E-07	1.02E-06
MEAT								
ADULT	2.72E-05	2.78E-05	5.20E-06	3.92E-05	2.64E-05	7.25E-05	2.77E-05	2.61E-05
TEEN	1.64E-05	1.67E-05	4.07E-06	1.81E-05	1.58E-05	4.92E-05	1.71E-05	1.56E-05
CHILD	2.02E-05	1.95E-05	7.41E-06	2.25E-05	1.91E-05	6.96E-05	2.08E-05	1.88E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 15 COW
AT 2.74 MILES S

TABLE VII-A-15

BETA AIR DOSE = 1.50E-03 MILLRADS
GAMMA AIR DOSE = 5.17E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.03E-04	3.03E-04	3.03E-04	3.03E-04	3.03E-04	3.03E-04	3.18E-04	8.64E-04
GROUND	4.11E-07	4.11E-07	4.11E-07	4.11E-07	4.11E-07	4.11E-07	4.11E-07	4.83E-07
COW MILK ADULT	3.11E-05	3.05E-05	2.17E-06	3.13E-05	3.18E-05	3.33E-04	3.02E-05	3.01E-05
TEEN	4.07E-05	3.97E-05	3.42E-06	4.14E-05	4.22E-05	5.18E-04	3.94E-05	3.93E-05
CHILD	6.40E-05	6.24E-05	6.98E-06	6.57E-05	6.69E-05	1.01E-03	6.23E-05	6.20E-05
INFANT	9.82E-05	9.45E-05	1.08E-05	1.03E-04	1.03E-04	2.39E-03	9.45E-05	9.41E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 16 RES
AT 0.63 MILES SSW

TABLE VII-A-16

BETA AIR DOSE = 2.12E-02 MILLRADS
GAMMA AIR DOSE = 7.51E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.42E-03	4.42E-03	4.42E-03	4.42E-03	4.42E-03	4.42E-03	4.63E-03	1.24E-02
GROUND	3.68E-07	3.68E-07	3.68E-07	3.68E-07	3.68E-07	3.68E-07	3.68E-07	4.33E-07
INHAL								
ADULT	6.96E-04	6.95E-04	1.97E-05	6.96E-04	6.97E-04	1.16E-03	6.99E-04	6.94E-04
TEEN	7.01E-04	6.99E-04	2.21E-05	7.02E-04	7.02E-04	1.27E-03	7.06E-04	6.99E-04
CHILD	6.20E-04	6.18E-04	2.18E-05	6.21E-04	6.21E-04	1.25E-03	6.24E-04	6.18E-04
INFANT	3.57E-04	3.55E-04	9.59E-06	3.58E-04	3.57E-04	9.33E-04	3.60E-04	3.55E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 1 FG
AT 1.14 MILES SSW

TABLE VII-A-17

BETA AIR DOSE = 6.12E-03 MILLRADS
GAMMA AIR DOSE = 2.15E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.32E-03	3.57E-03
GROUND	4.33E-07	4.33E-07	4.33E-07	4.33E-07	4.33E-07	4.33E-07	4.33E-07	5.09E-07
VEGET								
ADULT	3.71E-04	3.65E-04	3.43E-05	3.65E-04	3.64E-04	5.53E-04	3.64E-04	3.63E-04
TEEN	4.26E-04	4.18E-04	4.32E-05	4.18E-04	4.16E-04	5.73E-04	4.17E-04	4.15E-04
CHILD	6.62E-04	6.45E-04	7.42E-05	6.49E-04	6.45E-04	8.82E-04	6.46E-04	6.43E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-9.
SPECIAL LOCATION # 2 BEEF
AT 1.99 MILES 55W

TABLE VII-A-18

BETA AIR DOSE = 1.69E-03 MILLRADS
GAMMA AIR DOSE = 5.89E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.62E-04	9.82E-04
GROUND	4.02E-07	4.02E-07	4.02E-07	4.02E-07	4.02E-07	4.02E-07	4.02E-07	4.73E-0[illegible]
MEAT								
ADULT	1.49E-05	1.52E-05	2.40E-06	1.58E-05	1.45E-05	3.60E-05	1.52E-05	1.44E-05
TEEN	8.96E-06	9.09E-06	1.88E-06	9.77E-06	8.70E-06	2.42E-05	9.30E-06	8.60E-06
CHILD	1.10E-05	1.07E-05	3.43E-06	1.21E-05	1.05E-05	3.39E-05	1.13E-05	1.04E-05

FORT CALHOUN [illegible] IN ALL SECTORS 07-..
SPECIAL LOCATION # 3 RES
AT 0.72 MILES SW

TABLE VII-A-19

BETA AIR DOSE = 2.02E-02 MILLRADS
GAMMA AIR DOSE = 7.13E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.40E-03	1.18E-02
GROUND	9.73E-07	9.73E-07	9.73E-07	9.73E-07	9.73E-07	9.73E-07	9.73E-07	1.15E-06
INHAL								
ADULT	6.61E-04	6.60E-04	1.80E-05	6.61E-04	6.62E-04	1.10E-03	6.63E-04	6.59E-04
TEEN	6.66E-04	6.64E-04	2.01E-05	6.66E-04	6.67E-04	1.20E-03	6.70E-04	6.63E-04
CHILD	5.89E-04	5.87E-04	1.99E-05	5.89E-04	5.90E-04	1.18E-03	5.93E-04	5.87E-04
INFANT	3.39E-04	3.37E-04	8.77E-06	3.39E-04	3.39E-04	8.83E-04	3.42E-04	3.37E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS BY 22 U.
SPECIAL LOCATION # 4 BEEF
AT 0.82 MILES SW

TABLE VII-1-20

BETA AIR DOSE = 1.51E-02 MILLRADS
GAMMA AIR DOSE = 5.32E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.13E-03	3.13E-03	3.13E-03	3.13E-03	3.13E-03	3.13E-03	3.28E-03	8.84E-03
GROUND	4.10E-06	4.10E-06	4.10E-06	4.10E-06	4.10E-06	4.10E-06	4.10E-06	4.82E-06
MEAT								
ADULT	1.34E-04	1.37E-04	2.44E-05	1.43E-04	1.30E-04	3.48E-04	1.36E-04	1.29E-04
TEEN	8.05E-05	8.18E-05	1.91E-05	8.88E-05	7.78E-05	2.3[illegible]E-04	8.39E-05	7.68E-05
CHILD	9.91E-05	9.59E-05	3.49E-05	1.10E-04	9.41E-05	3.33E-04	1.02E-04	9.28E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 5 VEG
AT 2.35 MILES SW

TABLE VII-A-21

BETA AIR DOSE = 1.41E-03 MILLRADS
GAMMA AIR DOSE = 4.92E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	3.03E-04	8.20E-04
GROUND	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.93E-08
VEGET								
ADULT	8.44E-05	8.42E-05	1.30E-06	8.42E-05	8.41E-05	9.13E-05	8.41E-05	8.41E-05
TEEN	9.67E-05	9.64E-05	1.64E-06	9.64E-05	9.63E-05	1.02E-04	9.63E-05	9.63E-05
CHILD	1.50E-04	1.49E-04	2.81E-06	1.49E-04	1.49E-04	1.58E-04	1.49E-04	1.49E-04

FORT CALHOUN : RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 6 RES
AT 1.05 MILES WSW

TABLE VII-A-22

BETA AIR DOSE = 8.87E-03 MILLRADS
GAMMA AIR DOSE = 3.12E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.93E-03	5.19E-03
GROUND	5.99E-08	5.99E-08	5.99E-08	5.99E-08	5.99E-08	5.99E-08	5.99E-08	7.05E-08
INHAL								
ADULT	2.92E-04	2.91E-04	7.78E-06	2.92E-04	2.92E-04	4.82E-04	2.93E-04	2.91E-04
TEEN	2.94E-04	2.93E-04	8.70E-06	2.94E-04	2.94E-04	5.28E-04	2.96E-04	2.93E-04
CHILD	2.60E-04	2.59E-04	8.62E-06	2.60E-04	2.60E-04	5.20E-04	2.61E-04	2.59E-04
INFANT	1.49E-04	1.49E-04	3.80E-06	1.50E-04	1.50E-04	3.87E-04	1.51E-04	1.49E-04

FORT CALHOUN RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 7 VEG
AT 1.23 MILES WSW

TABLE VII-A-23

BETA AIR DOSE = 6.12E-03 MILLRADS
GAMMA AIR DOSE = 2.15E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.32E-03	3.57E-03
GROUND	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.61E-07
VEGET								
ADULT	3.67E-04	3.64E-04	1.75E-05	3.64E-04	3.63E-04	4.60E-04	3.63E-04	3.63E-04
TEEN	4.21E-04	4.16E-04	2.21E-05	4.17E-04	4.16E-04	4.96E-04	4.16E-04	4.15E-04
CHILD	6.53E-04	6.44E-04	3.80E-05	6.46E-04	6.44E-04	7.65E-04	6.45E-04	6.43E-04

FORT CALHOUN [illegible] IN ALL SECTORS 07-20-82
SPECIAL LOCATION # 8 BEEF
AT 2.45 MILES WSW

TABLE VII-A-24

BETA AIR DOSE = 1.30E-03 MILLRADS
GAMMA AIR DOSE = 4.55E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.68E-04	2.68E-04	2.68E-04	2.68E-04	2.68E-04	2.68E-04	2.81E-04	7.59E-04
GROUND	2.69E-07	2.69E-07	2.69E-07	2.69E-07	2.69E-07	2.69E-07	2.69E-07	3.16E-07
MEAT								
ADULT	1.15E-05	1.17E-05	1.60E-06	1.21E-05	1.12E-05	2.55E-05	1.16E-05	1.11E-05
TEEN	6.89E-06	6.97E-06	1.25E-06	7.43E-06	6.71E-06	1.71E-05	7.11E-06	6.64E-06
CHILD	8.44E-06	8.23E-06	2.29E-06	9.14E-06	8.11E-06	2.37E-05	8.62E-06	8.03E-06

FORT CALHOUN 1 [illegible] IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 9 RES
AT 1.17 MILES W

TABLE VII-A-25

BETA AIR DOSE = 8.87E-03 MILLRADS
GAMMA AIR DOSE = 3.12E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.84E-03	1.93E-03	5.19E-03
GROUND	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.72E-06
INHAL								
ADULT	2.92E-04	2.91E-04	7.69E-06	2.92E-04	2.92E-04	4.81E-04	2.93E-04	2.91E-04
TEEN	2.94E-04	2.93E-04	8.60E-06	2.94E-04	2.94E-04	5.27E-04	2.96E-04	2.93E-04
CHILD	2.60E-04	2.59E-04	8.52E-06	2.60E-04	2.60E-04	5.18E-04	2.61E-04	2.59E-04
INFANT	1.49E-04	1.49E-04	3.76E-06	1.50E-04	1.50E-04	3.86E-04	1.51E-04	1.49E-04

FORT CALHOUN : RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 10 VEG
AT 1.20 MILES W

TABLE VII-A-26

BETA AIR DOSE = 8.84E-03 MILLRADS
GAMMA AIR DOSE = 3.08E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.81E-03	1.90E-03	5.14E-03
GROUND	2.31E-06	2.31E-06	2.31E-06	2.31E-06	2.31E-06	2.31E-06	2.31E-06	2.72E-06
VEGET								
ADULT	5.71E-04	5.35E-04	1.83E-04	5.37E-04	5.31E-04	1.54E-03	5.29E-04	5.25E-04
TEEN	6.58E-04	6.12E-04	2.30E-04	6.18E-04	6.07E-04	1.44E-03	6.09E-04	6.01E-04
CHILD	1.03E-03	9.40E-04	3.96E-04	9.60E-04	9.39E-04	2.20E-03	9.43E-04	9.31E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 11 BEEF
AT 2.06 MILES W

TABLE VII 2-27

BETA AIR DOSE = 2.60E-03 MILLRADS
GAMMA AIR DOSE = 9.05E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SK
PLUME	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
GROUND	5.73E-07	5.73E-07	5.73E-07	5.73E-07	5.73E-07	5.73E-07	5.73E-07	5.73E-07
MEAT								
ADULT	2.29E-05	2.34E-05	3.41E-06	2.42E-05	2.24E-05	5.29E-05	1.43E-05	1.33E-05
TEEN	1.38E-05	1.40E-05	2.67E-06	1.49E-05	1.37E-05	3.55E-05	1.43E-05	1.33E-05
CHILD	1.09E-05	1.65E-05	4.88E-06	1.84E-05	1.62E-05	4.95E-05	1.73E-05	1.80E-05

FGRT CALHOUN 1 [illegible] IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 12 RES,VEG
AT 2.04 MILES WNW

TABLE VII-A-28

BETA AIR DOSE = 3.04E-03 MILLRADS
GAMMA AIR DOSE = 1.06E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	6.21E-04	6.21E-04	6.21E-04	6.21E-04	6.21E-04	6.21E-04	6.51E-04	1.76E-03
GROUND	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	7.88E-07
VEGET								
ADULT	1.94E-04	1.84E-04	5.31E-05	1.85E-04	1.83E-04	4.75E-04	1.82E-04	1.81E-04
TEEN	2.24E-04	2.11E-04	6.68E-05	2.12E-04	2.09E-04	4.51E-04	2.10E-04	2.07E-04
CHILD	3.49E-04	3.24E-04	1.15E-04	3.30E-04	3.23E-04	6.90E-04	3.25E-04	3.21E-04
INHAL								
ADULT	1.01E-04	1.00E-04	2.55E-06	1.01E-04	1.01E-04	1.65E-04	1.01E-04	1.00E-04
TEEN	1.02E-04	1.01E-04	2.85E-06	1.01E-04	1.01E-04	1.85E-04	1.02E-04	1.01E-04
CHILD	8.96E-05	8.93E-05	2.83E-06	8.97E-05	8.97E-05	1.77E-04	9.02E-05	8.93E-05
INFANT	5.15E-05	5.14E-05	1.25E-06	5.17E-05	5.16E-05	1.31E-04	5.20E-05	5.13E-05

FORT CALHOUN RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 13 BEEF
AT 2.74 MILES WNW

TABLE VII-A-29

BETA AIR DOSE = 1.65E-03 MILLRADS
GAMMA AIR DOSE = 5.72E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.53E-04	9.57E-04
GROUND	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	4.03E-07
MEAT								
ADULT	1.46E-05	1.48E-05	2.04E-06	1.54E-05	1.43E-05	3.25E-05	1.48E-05	1.42E-05
TEEN	8.77E-06	8.88E-06	1.60E-06	9.46E-06	8.54E-06	2.17E-05	9.05E-06	8.46E-06
CHILD	1.07E-05	1.05E-05	2.92E-06	1.16E-05	1.03E-05	3.03E-05	1.10E-05	1.02E-05

FORT CALHOU[illegible]S IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 14 RES.VEG
AT 2.43 MILES NW

TABLE VII-A-30

BETA AIR DOS 4.94E-03 MILLRADS
GAMMA AIR DO 1.69E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.90E-04	9.90E-04	9.90E-04	9.90E-04	9.90E-04	9.90E-04	1.04E-03	2.84E-03
GROUND	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	1.03E-06
VEGET								
ADULT	3.14E-04	3.01E-04	6.93E-05	3.01E-04	2.99E-04	6.79E-04	2.98E-04	2.97E-04
TEEN	3.61E-04	3.44E-04	8.72E-05	3.46E-04	3.42E-04	6.57E-04	3.43E-04	3.40E-04
CHILD	5.63E-04	5.30E-04	1.50E-04	5.37E-04	5.29E-04	1.01E-03	5.31E-04	5.26E-04
INHAL								
ADULT	1.65E-04	1.65E-04	4.13E-06	1.65E-04	1.65E-04	2.69E-04	1.65E-04	1.64E-04
TEEN	1.66E-04	1.66E-04	4.52E-06	1.66E-04	1.66E-04	2.94E-04	1.67E-04	1.65E-04
CHILD	1.47E-04	1.46E-04	4.58E-06	1.47E-04	1.47E-04	2.89E-04	1.48E-04	1.46E-04
INFANT	8.44E-05	8.42E-05	2.02E-06	8.46E-05	8.46E-05	2.14E-04	8.52E-05	8.41E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 15 COW,PORK,BEEF
AT 47 MILES NW

TABLE VII-A-31

BETA AIR DOSE = 2.46E-03 MILLRADS
GAMMA AIR DOSE = 8.33E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	4.88E-04	4.88E-04	4.88E-04	4.88E-04	4.88E-04	4.88E-04	5.12E-04	1.40E-03
GROUND	3.73E-07	3.73E-07	3.73E-07	3.73E-07	3.73E-07	3.73E-07	3.73E-07	4.38E-07
MEAT								
ADULT	2.18E-05	2.21E-05	2.92E-06	2.26E-05	2.14E-05	4.12E-05	2.20E-05	2.13E-05
TEEN	1.31E-05	1.32E-05	1.74E-06	1.38E-05	1.28E-05	2.71E-05	1.34E-05	1.27E-05
CHILD	1.59E-05	1.57E-05	3.18E-06	1.69E-05	1.55E-05	3.71E-05	1.62E-05	1.54E-05
COW MILK								
ADULT	5.10E-05	5.04E-05	1.9_E-06	5.12E-05	5.16E-05	3.24E-04	5.02E-05	5.01E-05
TEEN	6.66E-05	6.57E-05	3.04E-06	6.72E-05	6.79E-05	4.98E-04	6.54E-05	6.53E-05
CHILD	1.05E-04	1.03E-04	6.23E-06	1.06E-04	1.08E-04	9.57E-04	1.03E-04	1.03E-04
INFANT	1.60E-04	1.57E-04	9.67E-06	1.64E-04	1.64E-04	2.23E-03	1.57E-04	1.56E-04

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 16 RES
AT 2.02 MILES NNW

TABLE VII-A-32

BETA AIR DOSE = 4.78E-03 MILLRADS
GAMMA AIR DOSE = 1.65E-03 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	9.69E-04	9.69E-04	9.69E-04	9.69E-04	9.69E-04	9.69E-04	1.02E-03	2.76E-03
GROUND	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.20E-06
INHAL								
ADULT	1.59E-04	1.58E-04	4.05E-06	1.59E-04	1.59E-04	2.60E-04	1.59E-04	1.58E-04
TEEN	1.60E-04	1.60E-04	4.53E-06	1.60E-04	1.60E-04	2.84E-04	1.61E-04	1.59E-04
CHILD	1.41E-04	1.41E-04	4.50E-06	1.42E-04	1.42E-04	2.80E-04	1.42E-04	1.41E-04
INFANT	8.13E-05	8.11E-05	1.99E-06	8.15E-05	8.15E-05	2.08E-04	8.21E-05	8.10E-05

FORT CALHOUN 1 RECEPTORS IN ALL SECTORS 07-20-92
SPECIAL LOCATION # 1 VEG
AT 4.14 MILES NNW

TABLE VII-A-33

BETA AIR DOSE = .16E-03 MILLRADS
GAMMA AIR DOSE = 3.92E-04 MILLRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.41E-04	6.62E-04
GROUND	1.94E-07	1.94E-07	1.94E-07	1.94E-07	1.94E-07	1.94E-07	1.94E-07	2.28E-07
VEGET								
ADULT	7.42E-05	7.12E-05	1.54E-05	7.13E-05	7.08E-05	1.55E-04	7.07E-05	7.04E-05
TEEN	8.53E-05	8.15E-05	1.93E-05	8.20E-05	8.10E-05	1.51E-04	8.12E-05	8.06E-05
CHILD	1.33E-04	1.26E-04	3.33E-05	1.27E-04	1.25E-04	2.31E-04	1.26E-04	1.25E-04

TABLE VII-B-1

FORT CALHOUN 1 DOSE CONTRIBUTIONS FROM GASEOUS EFFLUENTS
UNRESTRICTED AREA BOUNDARY

REQUIRED BY TECHNICAL SPECIFICATION 5.9.4.a.

SEMIANNUAL FOR JAN TO JUN 92

MAXIMUM SITE BOUNDARY GAMMA AIR DOSE = 8.15E-03 MILLIRAD

MAXIMUM SITE BOUNDARY BETA AIR DOSE = 2.31E-02 MILLIRAD

TABLE VII-C-1

FORT CALHOUN SEMIANNUAL 01/92-06/92 TRI-EX TOWER DATA 07-09-92
ALARA INTEGRATED POPULATION DOSE SUMMARY (MANREM)

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	T...	LUNG	SKIN
PLUME	7.70E-03 57.93%	7.70E-03 58.53%	7.70E-03 91.10%	7.70E-03 58.24%	7.70E-03 58.44%	7.70E-03 29.48%	8.25E-03 60.20%	2.72E-02 83.40%
GROUND	8.37E-06 0.06%	8.37E-06 0.06%	8.37E-06 0.10%	8.37E-06 0.06%	8.37E-06 0.06%	8.37E-06 0.03%	8.37E-06 0.06%	9.84E-06 0.03%
INHAL	1.88E-03 14.12%	1.87E-03 14.24%	4.10E-05 0.49%	1.88E-03 14.20%	1.88E-03 14.25%	3.05E-03 11.67%	1.88E-03 13.73%	1.87E-03 5.75%
VEGET	2.55E-03 19.16%	2.42E-03 18.38%	6.00E-04 7.10%	2.45E-03 18.50%	2.43E-03 18.46%	9.99E-03 38.24%	2.41E-03 17.56%	2.39E-03 7.34%
COW MILK	6.07E-04 4.57%	5.98E-04 4.54%	2.99E-05 0.35%	6.10E-04 4.62%	6.15E-04 4.67%	4.24E-03 16.23%	5.96E-04 4.35%	5.95E-04 1.83%
MEAT	5.53E-04 4.16%	5.58E-04 4.24%	7.27E-05 0.86%	5.80E-04 4.39%	5.43E-04 4.12%	1.14E-03 4.35%	5.61E-04 4.09%	5.39E-04 1.66%
TOTAL	1.33E-02	1.32E-02	8.45E-03	1.32E-02	1.32E-02	2.61E-02	1.37E-02	3.26E-02

TABLE VII-D-1

FT. CALHOUN SEMIANNUAL RELEASES FOR JAN 1992 TO JUN 1992 08-12-92 RETS

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

50-MILE POPULATION=7.60E+05 FRACTION --- ADULT=0.66
TEENAGER=0.14
CHILD=0.20

FRESHWATER SITE

FT. CALHOUN S. TERMS01/92-06/92

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
38SR	89	7.35E-05	3.08E-04	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-05	6.50E-13	5.60E-13	1.00E+00
38SR	90	1.42E-04	7.59E-03	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.00E+00
52TE	132	1.40E-03	2.52E-05	1.63E-06	1.53E-06	1.80E-06	1.57E-05	0.00E+00	7.71E-05	2.00E-09	1.70E-09	1.00E+00
39Y	90	1.42E-04	9.62E-09	0.00E+00	2.58E-10	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.60E-12	2.20E-12	1.00E+00
53I	131	2.03E-02	4.16E-06	5.95E-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
55CS	137	9.68E-03	7.97E-05	1.09E-04	7.14E-05	0.00E+00	3.70E-05	1.23E-05	2.11E-06	4.90E-09	4.20E-09	1.00E+00
41NB	95	1.57E-04	6.22E-09	3.46E-09	1.86E-09	0.00E+00	3.42E-09	0.00E+00	2.10E-05	6.00E-09	5.10E-09	1.00E+00
55CS	134	6.12E-03	6.22E-05	1.48E-04	1.21E-04	0.00E+00	4.79E-05	1.59E-05	2.59E-06	1.40E-08	1.20E-08	1.00E+00
27CO	58	1.24E-01	0.00E+00	7.45E-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	7.42E-03	0.00E+00	4.57E-06	8.72E-07	0.00E+00	1.36E-06	0.00E+00	1.40E-05	6.80E-09	5.80E-09	1.00E+00
27CO	60	5.89E-03	0.00E+00	2.14E-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
27CO	57	2.59E-04	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
57LA	140	7.39E-03	2.50E-09	1.26E-09	3.33E-10	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.70E-08	1.50E-08	1.00E+00
51SB	125	4.06E-02	1.39E-06	2.00E-08	4.26E-07	1.82E-09	0.00E+00	1.38E-06	1.97E-05	3.50E-09	3.10E-09	1.00E+00
51SB	124	6.96E-03	2.80E-06	5.29E-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
47AG	110M	1.97E-03	1.60E-07	1.48E-07	8.79E-08	0.00E+00	2.91E-07	0.00E+00	6.04E-05	2.10E-08	1.80E-08	1.00E+00
1H	3	3.86E+01	0.00E+00	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	0.00E+00	0.00E+00	1.00E+00
6C	14	4.05E-02	2.84E-06	5.68E-07	5.68E-07	5.68E-07	5.68E-07	5.68E-07	5.68E-07	0.00E+00	0.00E+00	1.00E+00
26FE	55	1.37E-01	2.75E-06	1.90E-06	4.43E-07	0.00E+00	0.00E+00	1.90E-06	1.09E-06	0.00E+00	0.00E+00	1.00E+00
26FE	59	3.97E-04	1.34E-06	1.02E-05	3.91E-06	0.00E+00	0.00E+00	2.85E-06	3.40E-05	9.40E-09	8.00E-09	1.00E+00
56BA	140	8.51E-04	2.03E-05	2.55E-08	1.33E-06	0.00E+00	8.67E-09	1.46E-08	4.18E-05	2.40E-09	2.10E-09	1.00E+00
43TC	99	1.79E-04	1.25E-07	1.86E-07	5.02E-08	0.00E+00	2.34E-06	1.58E-08	6.08E-06	0.00E+00	0.00E+00	1.00E+00
53I	133	2.23E-04	1.42E-06	2.47E-06	7.53E-07	3.63E-04	4.31E-06	0.00E+00	2.22E-06	4.50E-09	3.70E-09	1.00E+00
53I	132	4.68E-04	2.03E-07	5.43E-07	1.90E-07	1.90E-05	8.65E-07	0.00E+00	1.02E-07	2.00E-08	1.70E-08	1.00E+00
55CS	136	3.12E-04	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
24CR	51	5.00E-03	0.00E+00	0.00E+00	2.66E-09	1.59E-09	5.86E-10	3.53E-09	6.69E-07	2.60E-10	2.20E-10	1.00E+00
44RU	103	1.65E-04	1.85E-07	0.00E+00	7.97E-08	0.00E+00	7.06E-07	0.00E+00	2.16E-05	4.20E-09	3.60E-09	1.00E+00
44RU	106	5.98E-05	2.75E-06	0.00E+00	3.48E-07	0.00E+00	5.31E-06	0.00E+00	1.76E-04	1.80E-09	1.50E-09	1.00E+00
30ZN	65	6.39E-06	4.84E-06	1.54E-05	6.96E-06	0.00E+00	1.03E-05	0.00E+00	9.70E-06	4.60E-09	4.00E-09	1.00E+00
35BR	82	2.55E-05	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	2.59E-06	2.20E-08	1.90E-08	1.00E+00
40ZR	95	7.11E-05	3.04E-08	9.75E-09	6.60E-09	0.00E+00	1.53E-08	0.00E+00	3.09E-05	5.80E-09	5.00E-09	1.00E+00

TABLE VII-D-1

* * * TEENAGER DOSE FACTORS * * *

NUCLIDE		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) SKIN	TOTAL BODY	RECON
38SR	89	7.35E-05	4.40E-04	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	5.24E-05			
38SR	90	1.42E-04	8.30E-03	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-04			
52TE	132	1.40E-03	3.49E-06	2.21E-06	2.08E-06	2.33E-06	2.12E-05	0.00E+00	7.00E-05			
39Y	90	1.42E-04	1.37E-08	0.00E+00	3.69E-10	0.00E+00	0.00E+00	0.00E+00	1.13E-04			
53I	131	2.03E-02	5.85E-06	8.19E-06	4.40E-06	2.39E-03	1.41E-05	0.00E+00	1.62E-06			
55CS	137	9.68E-03	1.12E-04	1.49E-04	5.19E-05	0.00E+00	5.07E-05	1.97E-05	2.12E-06			
41NB	95	1.57E-04	8.22E-09	4.56E-09	2.51E-09	0.00E+00	4.42E-09	0.00E+00	1.95E-05			
55CS	134	6.12E-03	8.37E-05	1.97E-04	9.14E-05	0.00E+00	6.26E-05	2.39E-05	2.45E-06			
27CO	58	1.24E-01	0.00E+00	9.72E-07	2.24E-06	0.00E+00	0.00E+00	0.00E+00	1.34E-05			
27CO	60	5.89E-03	0.00E+00	2.81E-06	6.33E-06	0.00E+00	0.00E+00	0.00E+00	3.66E-05			
57LA	140	7.39E-03	3.48E-09	1.71E-09	4.55E-10	0.00E+00	0.00E+00	0.00E+00	9.82E-05			
47AG	110M	1.97E-03	2.05E-07	1.94E-07	1.18E-07	0.00E+00	3.70E-07	0.00E+00	5.45E-05			
1H	3	3.96E+01	0.00E+00	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07			
6C	14	4.05E-02	4.06E-06	8.12E-07	8.12E-07	8.12E-07	8.12E-07	8.12E-07	8.12E-07			
56BA	140	8.51E-04	2.84E-05	1.48E-08	1.83E-06	0.00E+00	1.18E-08	2.34E-08	4.38E-05			
53I	133	2.23E-04	2.01E-06	3.41E-06	1.04E-06	4.76E-04	5.98E-06	0.00E+00	2.58E-06			
44RU	103	1.65E-04	2.55E-07	0.00E+00	1.09E-07	0.00E+00	8.99E-07	0.00E+00	2.13E-05			
44RU	106	5.98E-05	3.92E-06	0.00E+00	4.94E-07	0.00E+00	7.56E-06	0.00E+00	1.88E-04			
40ZR	95	7.11E-05	4.12E-08	1.30E-08	8.94E-09	0.00E+00	1.91E-08	0.00E+00	3.00E-05			

* * * CHILD DOSE FACTORS * * *

NUCLIDE		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) SKIN	TOTAL BODY	RECON
38SR	89	7.35E-05	1.32E-03	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	5.11E-05			
38SR	90	1.42E-04	1.70E-02	0.00E+00	4.31E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-04			
52TE	132	1.40E-03	1.01E-05	4.47E-06	5.40E-06	6.51E-06	4.15E-05	0.00E+00	4.50E-05			
39Y	90	1.42E-04	4.11E-08	0.00E+00	1.10E-09	0.00E+00	0.00E+00	0.00E+00	1.17E-04			
53I	131	2.03E-02	1.72E-05	1.73E-05	9.83E-06	5.72E-03	2.84E-05	0.00E+00	1.54E-06			
55CS	137	9.68E-03	3.27E-04	3.13E-04	4.62E-05	0.00E+00	1.02E-04	3.67E-05	1.96E-06			
41NB	95	1.57E-04	2.25E-08	8.76E-09	6.26E-09	0.00E+00	8.23E-09	0.00E+00	1.62E-05			
55CS	134	6.12E-03	2.34E-04	3.84E-04	8.10E-05	0.00E+00	1.19E-04	4.27E-05	2.07E-06			
27CO	58	1.24E-01	0.00E+00	1.80E-06	5.51E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-05			
27CO	60	5.89E-03	0.00E+00	5.29E-06	1.56E-05	0.00E+00	0.00E+00	0.00E+00	2.93E-05			
57LA	140	7.39E-03	1.01E-08	3.53E-09	1.19E-09	0.00E+00	0.00E+00	0.00E+00	9.84E-05			
47AG	110M	1.97E-03	5.39E-07	3.64E-07	2.91E-07	0.00E+00	6.78E-07	0.00E+00	4.33E-05			
1H	3	3.96E+01	0.00E+00	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07			
6C	14	4.05E-02	1.21E-05	2.42E-06	2.42E-06	2.42E-06	2.42E-06	2.42E-06	2.42E-06			
56BA	140	8.51E-04	8.31E-05	7.28E-08	4.85E-06	0.00E+00	2.37E-08	4.34E-08	4.21E-05			
53I	133	2.23E-04	5.92E-06	7.32E-06	2.77E-06	1.36E-03	1.22E-05	0.00E+00	2.95E-06			
44RU	103	1.65E-04	7.31E-07	0.00E+00	2.81E-07	0.00E+00	1.84E-05	0.00E+00	1.89E-05			
44RU	106	5.93E-05	1.17E-05	0.00E+00	1.46E-06	0.00E+00	1.58E-05	0.00E+00	1.82E-04			
40ZR	95	7.11E-05	1.16E-07	2.55E-08	2.27E-08	0.00E+00	3.65E-08	0.00E+00	2.66E-05			

TABLE VII-D-1

* * * INFANT DOSE FACTORS * * *

NU[illegible]		CURIE/.5YR	INGESTION DOSE FACTORS (MREM/PCI INTAKE) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI	SHORELINE (MREM/HR)/(PCI/M**2) [illegible]N	TOTAL BODY	RECON
[illegible]	89	7.35E-05	2.51E-03	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	5.16E-05			
38SR	90	1.42E-04	1.85E-02	0.00E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-04			
52TE	132	1.40E-03	2.08E-03	1.03E-05	9.61E-06	1.52E-05	6.44E-05	0.00E+00	3.81E-05			
39Y	90	1.42E-04	8.59E-08	0.00E+00	2.33E-09	0.00E+00	0.00E+00	0.00E+00	1.20E-04			
53I	131	2.03E-02	3.59E-05	4.13E-05	1.86E-05	1.39E-02	4.94E-05	0.00E+00	1.51E-06			
55CS	137	9.68E-03	5.22E-04	6.11E-04	4.33E-05	0.00E+00	1.64E-04	6.64E-05	1.91E-06			
41NB	95	1.57E-04	4.20E-08	1.73E-08	1.00E-08	0.00E+00	1.24E-08	0.00E+00	1.46E-05			
55CS	134	6.12E-03	3.77E-04	7.03E-04	7.10E-05	0.00E+00	1.81E-04	7.42E-05	1.91E-06			
27CO	58	1.24E-01	0.00E+00	3.60E-06	8.98E-06	0.00E+00	0.00E+00	0.00E+00	8.97E-06			
27CO	60	5.89E-01	0.00E+00	1.08E-05	2.55E-05	0.00E+00	0.00E+00	0.00E+00	2.57E-05			
57LA	140	7.39E-03	2.11E-08	7.32E-09	2.14E-09	0.00E+00	0.00E+00	0.00E+00	9.77E-05			
47AG	110M	1.97E-03	2.06E-07	7.27E-07	4.81E-07	0.00E+00	1.04E-06	0.00E+00	3.77E-05			
1H	3	3.96E+01	0.00E+00	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07			
6C	14	4.05E-02	2.37E-05	5.06E-06	5.06E-06	5.06E-06	5.06E-06	5.06E-06	5.06E-06			
56BA	140	8.51E-04	1.71E-04	1.71E-07	8.81E-06	0.00E+00	4.06E-08	1.05E-07	4.20E-05			
53I	133	2.23E-04	1.25E-05	1.82E-05	5.33E-06	3.31E-04	2.14E-05	0.00E+00	3.08E-06			
44RU	103	1.65E-04	1.48E-06	0.00E+00	4.95E-07	0.00E+00	3.08E-06	0.00E+00	1.80E-05			
44RU	106	5.98E-05	2.41E-05	0.00E+00	3.01E-06	0.00E+00	2.85E-05	0.00E+00	1.83E-04			
40ZR	95	7.11E-05	2.06E-07	5.62E-08	3.56E-08	0.00E+00	5.41E-08	0.00E+00	2.50E-05			

TABLE VII-D-2

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

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		1.17E-02	1.64E-02	1.21E-02	2.63E-03	5.76E-03	2.24E-03	1.98E-03
DRINKING		9.79E-05	2.20E-04	2.07E-04	1.36E-03	1.67E-04	1.52E-04	2.90E-04
SHORELINE	2.96E-05	2.54E-05	2.54E-05	2.54E-05	2.54E-05	2.54E-05	2.54E-05	2.54E-05
SWIMMING	0.00E+00	9.34E-07	9.34E-07	9.34E-07	9.34E-07	9.34E-07	9.34E-07	9.34E-07
BOATING	0.00E+00	4.67E-07	4.67E-07	4.67E-07	4.67E-07	4.67E-07	4.67E-07	4.67E-07
TOTAL	2.96E-05	1.18E-02	1.67E-02	1.23E-02	4.02E-03	5.95E-03	2.42E-03	2.30E-03

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		SR 90 1%	CS 137 51%	CS 137 45%	I 131 83%	CS 137 49%	CS 137 42%	TE 132 7%
		CS 137 52%	CS 134 44%	CS 134 49%	C 14 16%	CS 134 40%	CS 134 34%	CS 137 8%
		CS 134 26%	C 14 2%	C 14 3%		C 14 7%	C 14 18%	NB 95 19%
		C 14 18%					FE 55 2%	CS 134 6%
		FE 55 1%						CO 58 18%
								MN 54 8%
								CO 60 2%
								LA 140 2%
								C 14 21%
								FE 55 3%
DRINKING		SR 90 36%	I 131 1%	SR 90 4%	I 131 89%	I 131 3%	CS 137 2%	TE 132 1%
		TE 132 1%	CS 137 15%	I 131 1%	H 3 10%	CS 137 7%	CS 134 2%	CO 58 21%
		I 131 2%	CS 134 13%	CS 137 11%		CS 134 5%	SB 125 1%	MN 54 1%
		CS 137 26%	CO 58 1%	CS 134 11%		H 3 82%	H 3 90%	CO 60 2%
		CS 134 12%	H 3 62%	CO 58 3%			FE 55 3%	LA 140 5%
		SB 125 2%	FE 55 3%	H 3 66%				SB 125 9%
		C 14 3%						SB 124 6%
		FE 55 12%						AG 110M 1%
								H 3 47%
								FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 28%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 2%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 8%						
		LA 140 7%						
		SB 125 7%						

TABLE VII-D-3

* * * 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		1.23E-02	1.69E-02	7.11E-03	2.52E-03	5.90E-03	2.58E-03	1.58E-03
DRINKING		8.27E-05	1.73E-04	1.40E-04	1.15E-03	1.25E-04	1.10E-04	1.99E-04
SHORELINE	1.65E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04
SWIMMING	0.00E+00	5.21E-06	5.21E-06	5.21E-06	5.21E-06	5.21E-06	5.21E-06	5.21E-06
BOATING	0.00E+00	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06
TOTAL	1.65E-04	1.26E-02	1.72E-02	7.40E-03	3.82E-03	6.17E-03	2.84E-03	1.93E-03

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 53%	CS 137 52%	CS 137 43%	I 131 80%	CS 137 50%	CS 137 45%	TE 132 6%
		CS 134 25%	CS 134 43%	CS 134 43%	C 14 18%	CS 134 39%	CS 134 34%	CS 137 7%
		C 14 18%	C 14 2%	C 14 6%		C 14 7%	C 14 17%	NB 95 17%
							FE 55 1%	CS 134 5%
								CO 58 15%
								MN 54 8%
								CO 60 2%
								LA 140 2%
								C 14 25%
								FE 55 2%
DRINKING		SR 90 37%	I 131 2%	SR 90 4%	I 131 91%	I 131 4%	CS 137 3%	CO 58 19%
		I 131 3%	CS 137 13%	I 131 1%	H 3 8%	CS 137 9%	CS 134 3%	MN 54 1%
		CS 137 30%	CS 134 16%	CS 137 0%		CS 134 7%	SB 125 1%	CO 60 2%
		CS 134 14%	CO 58 1%	CS 134 9%		H 3 77%	H 3 87%	LA 140 6%
		SB 125 2%	H 3 56%	CO 58 4%			FE 55 3%	SB 125 9%
		C 14 4%	FE 55 3%	H 3 68%				SB 124 6%
		FE 55 10%		FE 55 1%				AG 110M 1%
								H 3 48%
								FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 29%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 2%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 6%						
		LA 140 7%						
		SB 125 7%						
		SB 124 6%						

TABLE VII-D-4

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

CHILD DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		1.53E-02	1.49E-02	3.20E-03	2.72E-03	5.18E-03	2.25E-03	1.01E-03
DRINKING		1.96E-04	3.33E-04	2.48E-04	2.70E-03	2.41E-04	2.07E-04	2.78E-04
SHORELINE	3.45E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05	2.97E-05
SWIMMING	0.00E+00	1.09E-06	1.09E-06	1.09E-06	1.09E-06	1.09E-06	1.09E-06	1.09E-06
BOATING	0.00E+00	5.45E-07	5.45E-07	5.45E-07	5.45E-07	5.45E-07	5.45E-07	5.45E-07
TOTAL	3.45E-05	1.55E-02	1.53E-02	3.48E-03	5.45E-03	5.45E-03	2.49E-03	1.32E-03

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 54%	CS 137 53%	CS 137 36%	I 131 77%	CS 137 50%	CS 137 41%	TE 122 2%
		CS 134 24%	CS 134 41%	CS 134 40%	C 14 21%	CS 134 37%	CS 134 30%	CS 137 4%
		C 14 19%	C 14 3%	CO 58 1%		C 14 11%	C 14 26%	NB 95 9%
				C 14 18%				CS 134 3%
								CO 58 8%
								MN 54 5%
								CO 60 1%
								LA 140 1%
								C 14 58%
								FE 55 1%
DRINKING		SR 89 1%	I 131 2%	SR 90 5%	I 131 92%	I 131 5%	CS 137 3%	CO 58 10%
		SR 90 28%	CS 137 21%	I 131 1%	H 3 6%	CS 137 9%	CS 134 2%	CO 60 1%
		I 131 3%	CS 134 16%	CS 137 4%		CS 134 6%	H 3 89%	LA 140 4%
		CS 137 37%	CO 58 1%	CS 134 4%		H 3 76%	C 14 1%	SB 125 6%
		CS 134 16%	H 3 55%	CO 58 6%			FE 55 1%	SB 124 4%
		C 14 5%	FE 55 1%	H 3 74%				H 3 66%
		FE 55 4%						FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 29%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 7%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 6%						
		LA 140 7%						
		SB 125 7%						
		SB 124 6%						
		AG 110M 2%						

TABLE VII-D-5

* * * AS LOW AS REASONABLY ACHIEVABLE * * *

INFANT DOSES

	DOSE (MREM PER 5YR INTAKE)							
PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
DRINKING		1.86E-04	3.62E-04	2.34E-04	4.14E-03	2.41E-04	2.05E-04	2.40E-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	1.86E-04	3.62E-04	2.34E-04	4.14E-03	2.41E-04	2.05E-04	2.40E-04

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING		SR 89 1%	I 131 3%	SR 90 4%	I 131 95%	I 131 5%	CS 137 4%	CO 58 6%
		SR 90 21%	CS 137 24%	I 131 2%	H 4%	CS 137 4%	CS 134 3%	LA 140 3%
		I 131 5%	CS 134 17%	CS 137 2%		CS 134 6%	H 3 88%	SB 125 4%
		CS 137 40%	CO 58 1%	CS 134 2%		H 3 75%	C 14 1%	SB 124 3%
		CS 134 18%	H 3 50%	CO 58 7%		C 14 1%	FE 55 1%	H 3 75%
		C 14 7%	FE 55 1%	H 3 77%				C 14 1%
		FE 55 3%		C 14 1%				
		BA 140 1%						

TABLE VII-D-6

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

ADULT DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.56E-02	1.20E-01	8.83E-02	1.92E-02	3.20E-02	1.63E-02	1.45E-02
DRINKING		3.02E-03	6.79E-03	6.39E-03	4.29E-02	5.16E-03	4.70E-03	9.00E-03
SHORELINE	2.16E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04	1.86E-04
SWIMMING	0.00E+00	6.82E-06	6.82E-06	6.82E-06	6.82E-06	6.82E-06	6.82E-06	6.82E-06
BOATING	0.00E+00	3.41E-06	3.41E-06	3.41E-06	3.41E-06	3.41E-06	3.41E-06	3.41E-06
TOTAL	2.16E-04	8.88E-02	1.27E-01	9.49E-02	6.23E-02	4.74E-02	2.12E-02	2.37E-02

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		SR 90 1%	CS 137 51%	CS 137 45%	I 131 83%	CS 137 49%	CS 137 42%	TE 132 7%
		CS 137 52%	CS 134 44%	CS 134 49%	C 14 16%	CS 134 40%	CS 134 34%	CS 137 8%
		CS 134 26%	C 14 2%	C 14 3%		C 14 7%	C 14 18%	NB 95 19%
		C 14 18%					FE 55 2%	CS 134 6%
		FE 55 1%						CO 58 18%
								MN 54 8%
								CO 60 2%
								LA 140 2%
								C 14 21%
								FE 55 3%
DRINKING		SR 90 36%	I 131 1%	SR 90 4%	I 131 89%	I 131 3%	CS 137 2%	TE 132 1%
		TE 132 1%	CS 137 15%	I 131 1%	H 3 9%	CS 137 7%	CS 134 2%	CO 58 21%
		I 131 2%	CS 134 13%	CS 137 11%		CS 134 5%	SB 125 1%	MN 54 1%
		CS 137 26%	CO 58 1%	CS 134 11%		H 3 82%	H 3 90%	CO 60 2%
		CS 134 12%	H 3 62%	CO 58 3%			FE 55 3%	LA 140 6%
		SB 125 2%	FE 55 3%	H 3 66%				SB 125 9%
		C 14 3%						SB 124 6%
		FE 55 12%						AG 110M 1%
								H 3 47%
								FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 29%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 2%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 6%						
		LA 140 7%						
		SB 125 7%						

TABLE VII-D 7

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG

TEENAGER DOSES

	DOSE (MREM PER .5YR INTAKE)							
PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		8.99E-02	1.23E-01	5.19E-02	1.84E-02	4.30E-02	1.89E-02	1.15E-02
DRINKING		2.55E-03	5.32E-03	4.33E-03	3.61E-02	3.86E-03	3.40E-03	6.17E-03
SHORELINE	1.21E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03
SWIMMING	0.00E+00	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05
BOATING	0.00E+00	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05
TOTAL	1.21E-03	9.36E-02	1.30E-01	5.73E-02	5.56E-02	4.80E-02	2.33E-02	1.88E-02

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

SHOREWIDTH FACTOR=0.2

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		CS 137 53%	CS 137 72%	CS 137 43%	I 131 80%	CS 137 50%	CS 137 45%	TE 132 6%
		CS 134 25%	CS 134 .3%	CS 134 48%	C 14 18%	CS 134 39%	CS 134 34%	CS 137 7%
		C 14 18%	C 14 2%	C 14 6%		C 14 A	C 14 17%	NB 95 17%
							FE 55 1%	CS 134 5%
								CO 58 15%
								MN 54 8%
								CO 60 2%
								LA 140 2%
								C 14 29%
								FE 55 2%
DRINKING		SR 90 32%	I 131 2%	SR 90 4%	I 131 91%	I 131 5%	CS 137 3%	TE 132 1%
		I 131 3%	CS 137 19%	I 131 1%	H 3 8%	CS 137 9%	CS 134 3%	CO 58 19%
		CS 137 30%	CS 134 16%	CS 137 8%		CS 134 7%	SB 125 1%	MN 54 1%
		CS 134 14%	CO 58 1%	CS 134 9%		H 3 77%	H 3 87%	CO 60 2%
		SB 125 2%	H 3 56%	CO 58 4%			FE 55 3%	LA 140 6%
		C 14 4%	FE 55 3%	H 3 68%				SB 125 9%
		FE 55 10%						SB 124 6%
								AG 110M 1%
								H 3 48%
								FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 29%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 2%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 6%						
		LA 140 7%						

TABLE VII-D-6

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

CHILD DOSES

DOSE (MREM PER .5YR INTAKE)

PATHWAY	SKIN	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH		1.11E-01	1.09E-01	2.33E-02	1.98E-02	3.78E-02	1.64E-02	7.37E-03
DRINKING		6.04E-03	1.03E-02	7.65E-03	8.50E-02	7.45E-03	6.38E-03	8.62E-03
SHORELINE	2.52E-04	2.17E-04	2.17E-04	2.17E-04	2.17E-04	2.17E-04	2.17E-04	2.17E-04
SWIMMING	0.00E+00	7.95E-06	7.95E-06	7.95E-06	7.95E-06	7.95E-06	7.95E-06	7.95E-06
BOATING	0.00E+00	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06	3.98E-06
TOTAL	2.52E-04	1.18E-01	1.19E-01	3.12E-02	1.05E-01	4.55E-02	2.30E-02	1.62E-02

	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 54%	CS 137 53%	CS 137 36%	I 131 77%	CS 137 50%	CS 137 41%	TE 132 2%
		CS 134 24%	CS 134 41%	CS 134 40%	C 14 21%	CS 134 37%	CS 134 30%	CS 137 4%
		C 14 19%	C 14 3%	CO 58 1%		C 14 11%	C 14 26%	NB 95 9%
				C 14 18%				CS 134 3%
								CO 58 8%
								MN 54 5%
								CO 60 1%
								LA 140 1%
								C 14 58%
								FE 55 1%
DRINKING		SR 89 1%	I 131 2%	SR 90 5%	I 131 93%	I 131 5%	CS 137 3%	CO 58 10%
		SR 90 28%	CS 137 21%	I 131 1%	H 3 6%	CS 137 9%	CS 134 2%	CO 60 1%
		I 131 3%	CS 134 16%	CS 137 4%		CS 134 6%	H 3 89%	LA 140 4%
		CS 137 37%	CO 58 1%	CS 134 4%		H 3 76%	C 14 1%	SB 125 6%
		CS 134 16%	H 3 55%	CO 58 8%			FE 55 1%	SB 124 4%
		C 14 5%	FE 55 1%	H 3 74%				H 3 66%
		FE 55 4%						FE 55 1%
SHORELINE	CS 137 23%	CS 137 23%						
	CS 134 9%	CS 134 9%						
	CO 58 11%	CO 58 10%						
	MN 54 2%	MN 54 2%						
	CO 60 29%	CO 60 29%						
	SB 125 21%	SB 125 21%						
	AG 110M 1%	AG 110M 1%						
SWIMMING		I 131 3%						
		CS 137 2%						
		CS 134 4%						
		CO 58 54%						
		MN 54 2%						
		CO 60 6%						
		LA 140 7%						
		SB 125 7%						
		SB 124 6%						
		AG 110M 2%						

TABLE VII-D-9

* * * SELECTED LOCATION * * *

LOCATION IS SITE DISCHG.

I N F A N T D O S E S

	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		5.74E-03	1.12E-02	7.21E-03	1.30E-01	7.43E-03	6.31E-03	7.43E-03
SHORELINE	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL	0.00E+00	5.74E-03	1.12E-02	7.21E-03	1.30E-01	7.43E-03	6.31E-03	7.43E-03

	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		SR 89 1%	I 131 3%	SR 90 4%	I 131 95%	I 131 5%	CS 137 4%	CO 58 6%
		SR 90 21%	CS 137 24%	I 131 2%	H 3 4%	CS 137 9%	CS 134 3%	LA 140 3%
		I 131 5%	CS 134 17%	CS 137 2%		CS 134 6%	H 3 88%	SB 125 4%
		CS 137 40%	CO 58 1%	CS 134 2%		H 3 75%	C 14 1%	SB 124 3%
		CS 134 18%	H 3 50%	CO 58 7%		C 14 1%	FE 55 1%	H 3 75%
		C 14 7%	FE 55 1%	H 3 77%				C 14 1%
		FE 55 3%		C 14 1%				
		BA 140 1%						

TABLE VII-E-1

* * * FISH CONSUMPTION POPULATION DOSES * * *

MAN-REM

SPORTFISH HARVEST

PATHWAY	AGE GROUP	USAGE	DOSE (MAN-REM) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	5.81E+04	3.17E-02	4.45E-02	3.27E-02	4.73E-03	1.55E-02	6.07E-03	4.80E-03
FISH	TEENAGER	9.29E+03	7.01E-03	9.59E-03	4.03E-03	9.64E-04	3.34E-03	1.47E-03	8.13E-04
FISH	CHILD	5.61E+03	1.22E-02	1.19E-02	2.54E-03	1.49E-03	4.11E-03	1.80E-03	7.65E-04
FISH	TOTAL	7.30E+04	5.08E-02	6.59E-02	3.93E-02	7.18E-03	2.30E-02	9.34E-03	6.38E-03

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

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	SR 90 1%	CS 137 51%	CS 137 46%	I 131 74%	CS 137 50%	CS 137 42%	TE 132 2%
	CS 137 53%	CS 134 44%	CS 134 49%	C 14 24%	CS 134 40%	CS 134 34%	CS 137 9%
	CS 134 26%	C 14 2%	C 14 3%		C 14 7%	C 14 19%	NB 95 19%
	C 14 18%					FE 55 2%	CS 134 7%
	FE 55 1%						CO 58 19%
							MN 54 9%
							CO 60 2%
							C 14 24%
							FE 55 3%
TEENAGER	CS 137 53%	CS 137 52%	CS 137 43%	I 131 71%	CS 137 51%	CS 137 45%	TE 132 1%
	CS 134 25%	CS 134 43%	CS 134 48%	C 14 27%	CS 134 39%	CS 134 34%	CS 137 8%
	C 14 18%	C 14 2%	C 14 6%		C 14 7%	C 14 17%	NB 95 17%
						FE 55 1%	CS 134 6%
							CO 58 16%
							MN 54 8%
							CO 60 2%
							C 14 32%
							FE 55 3%
CHILD	CS 137 54%	CS 137 53%	CS 137 37%	I 131 67%	CS 137 50%	CS 137 41%	CS 137 5%
	CS 134 24%	CS 134 41%	CS 134 40%	C 14 31%	CS 134 37%	CS 134 30%	NB 95 9%
	C 14 19%	C 14 4%	CO 58 1%		C 14 11%	C 14 26%	CS 134 3%
			C 14 18%				CO 58 8%
							MN 54 5%
							CO 60 1%
							C 14 62%
							FE 55 2%

TABLE VII-E-2

* * * FISH CONSUMPTION POPULATION DOSES * * *

MAN-REM

COMMERCIAL HARVEST

		DOSE (MAN-REM)							
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	3.46E+06	3.13E-03	4.39E-03	3.23E-03	3.88E-04	1.53E-03	6.00E-04	4.60E-04
FISH	TEENAGER	5.54E+05	6.93E-04	9.46E-04	3.93E-04	7.97E-05	3.29E-04	1.45E-04	7.83E-05
FISH	CHILD	3.35E+05	1.20E-03	1.17E-03	2.51E-04	7.24E-04	4.06E-04	1.77E-04	7.46E-05
FISH	TOTAL	4.35E+06	5.03E-03	6.51E-03	3.88E-03	5.92E-04	2.27E-03	9.22E-04	6.13E-04

DILUTION 7.30E+00 CATCH 7.30E+04 TIME(HR)-INCLUDES FOOD PROCESSING TIME OF 2.40E+02 HR 2.41E+02 POPULATION=7.60E+05

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

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
ADULT	SR 90 1% CS 137 53% CS 134 26% C 14 18% FE 55 1%	CS 137 51% CS 134 44% C 14 2%	CS 137 46% CS 134 49% C 14 3%	I 131 69% H 3 1% C 14 29%	CS 137 50% CS 134 40% C 14 7%	CS 137 42% CS 134 34% C 14 19% FE 55 2%	TE 132 1% CS 137 9% NB 95 19% CS 134 7% CO 58 19% MN 54 9% CO 60 2% C 14 24% FE 55 3%
TEENAGER	CS 137 53% CS 134 25% C 14 18%	CS 137 52% CS 134 43% C 14 2%	CS 137 43% CS 134 48% C 14 6%	I 131 66% C 14 32%	CS 137 51% CS 134 39% C 14 7%	CS 137 45% CS 134 34% C 14 17% FE 55 1%	TE 132 1% CS 137 9% NB 95 16% CS 134 6% CO 58 16% MN 54 8% CO 60 2% C 14 33% FE 55 3%
CHILD	CS 137 54% CS 134 24% C 14 19%	CS 137 53% CS 134 41% C 14 4%	CS 137 37% CS 134 40% CO 58 1% C 14 18%	I 131 61% C 14 37%	CS 137 50% CS 134 37% C 14 11%	CS 137 41% CS 134 30% C 14 26%	CS 137 5% NB 95 8% CS 134 3% CO 58 8% MN 54 5% CO 60 1% H 3 1% C 14 62% FE 55 2%

NEPA DOSES

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

DOSE (MAN-REM)

TABLE VII-E-2

NEPA DOSES

NOTE--TOTAL NEPA DOSE MUST INCLUDE SPORT CATCH. DOSES BELOW ARE FOR COMMERCIAL CATCH ONLY

PATHWAY	AGE GROUP	USAGE	DOSE (MAN-REM) BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
FISH	ADULT	5.61E+07	3.17E-02	4.44E-02	3.27E-02	3.93E-03	1.55E-02	6.07E-03	4.65E-03
FISH	TEENAGER	9.29E+03	7.01E-03	9.57E-03	4.03E-03	8.06E-04	3.33E-03	1.47E-03	7.91E-04
FISH	CHILD	5.61E+03	1.22E-02	1.18E-02	2.54E-03	1.26E-03	4.10E-03	1.79E-03	7.55E-04
FISH	TOTAL	7.30E+04	5.08E-02	6.58E-02	3.92E-02	5.99E-03	2.29E-02	9.33E-03	6.20E-03

TABLE VII-E-3

* * * POPULATION WATER CONSUMPTION DOSES * * *

			DOSE (MAN-REM)						
PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	1.29E+08	1.73E-02	3.90E-02	3.67E-02	2.32E-01	2.95E-02	2.70E-02	5.06E-02
DRINKING	TEENAGER	1.93E+07	3.12E-03	6.51E-03	5.30E-03	4.18E-02	4.71E-03	4.17E-03	7.39E-03
DRINKING	CHILD	2.75E+07	1.05E-02	1.79E-02	1.34E-02	1.40E-01	1.30E-02	1.12E-02	1.49E-02
DRINKING	TOTAL	1.76E+08	3.09E-02	6.34E-02	5.53E-02	4.14E-01	4.72E-02	4.23E-02	7.28E-02

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

AVERAGE INDIVIDUAL CONSUMPTIGN (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	SR 90	36%	I 131	1%	SR 90	4%	I 131	89%	I 131	3%	CS 137	2%	CO 58	21%
	I 131	2%	CS 137	15%	CS 137	11%	H 3	10%	CS 137	7%	CS 134	2%	MN 54	1%
	CS 137	26%	CS 134	13%	CS 134	11%			CS 134	5%	SB 125	1%	CO 60	2%
	CS 134	12%	CO 58	1%	CO 58	3%			H 3	82%	H 3	90%	LA 140	4%
	SB 125	2%	H 3	62%	H 3	66%					FE 55	3%	SB 125	9%
	C 14	3%	FE 55	3%									SB 124	6%
	FE 55	12%											AG 110M	1%
													H 3	48%
TEENAGER	SR 90	32%	I 131	1%	SR 90	4%	I 131	91%	I 131	4%	CS 137	3%	CO 58	19%
	I 131	2%	CS 137	19%	I 131	1%	H 3	8%	CS 137	9%	CS 134	3%	MN 54	1%
	CS 137	30%	CS 134	16%	CS 137	8%			CS 134	7%	SB 125	1%	CO 60	2%
	CS 134	14%	CO 58	1%	CS 134	9%			H 3	77%	H 3	87%	LA 140	5%
	SB 125	2%	H 3	56%	CO 58	4%					FE 55	3%	SB 125	9%
	C 14	4%	FE 55	3%	H 3	69%							SB 124	6%
	FE 55	10%			FE 55	1%							AG 110M	1%
													H 3	49%
CHILD	SR 89	1%	I 131	2%	SR 90	5%	I 131	92%	I 131	4%	CS 137	3%	CO 58	10%
	SR 90	28%	CS 137	21%	I 131	1%	H 3	7%	CS 137	9%	CS 134	2%	CO 60	1%
	I 131	3%	CS 134	16%	CS 137	4%			CS 134	6%	H 3	89%	LA 140	3%
	CS 137	37%	CO 58	1%	CS 134	4%			H 3	77%	C 14	1%	SB 125	6%
	CS 134	16%	H 3	55%	CO 58	6%					FE 55	1%	SB 124	4%
	C 14	5%	FE 55	1%	H 3	74%							H 3	67%
	FE 55	4%											FE 55	1%

TABLE VII-E-4

* * * POPULATION WATER CONSUMPTION DOSES * * *

DOSE (MAN-REM)

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
DRINKING	ADULT	2.12E+07	2.80E-03	6.30E-03	5.93E-03	3.75E-02	4.78E-03	4.37E-03	8.18E-03
DRINKING	TEENAGER	3.17E+06	5.04E-04	1.05E-03	8.57E-04	6.73E-03	7.61E-04	6.75E-04	1.20E-03
DRINKING	CHILD	4.52E+06	1.70E-03	2.90E-03	2.16E-03	2.26E-02	2.10E-03	1.81E-03	2.40E-03
DRINKING	TOTAL	2.89E+07	5.01E-03	1.03E-02	8.96E-03	6.68E-02	7.64E-03	6.85E-03	1.18E-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	SR 90	36%	I 131	1%	SR 90	4%	I 131	89%	I 131	3%	CS 137	2%	CO 58	21%
	I 131	2%	CS 137	15%	CS 137	11%	H 3	10%	CS 137	7%	CS 134	2%	MN 54	1%
	CS 137	26%	CS 134	13%	CS 134	11%			CS 134	5%	SB 125	1%	CO 60	2%
	CS 134	12%	CO 58	1%	CO 58	3%			H 3	82%	H 3	90%	LA 140	4%
	SB 125	2%	H 3	62%	H 3	66%					FE 55	3%	SB 125	9%
	C 14	3%	FE 55	3%									SB 124	6%
	FE 55	12%											AG 110M	1%
													H 3	48%
TEENAGER	SR 90	32%	I 131	1%	SR 90	4%	I 131	91%	I 131	4%	CS 137	3%	CO 58	19%
	I 131	2%	CS 137	19%	I 131	1%	H 3	8%	CS 137	9%	CS 134	3%	MN 54	1%
	CS 137	30%	CS 134	16%	CS 137	8%			CS 134	7%	SB 125	1%	CO 60	2%
	CS 134	14%	CO 58	1%	CS 134	8%			H 3	77%	H 3	87%	LA 140	5%
	SB 125	2%	H 3	56%	CO 58	4%					FE 55	3%	SB 125	9%
	C 14	4%	FE 55	3%	H 3	69%							SB 124	6%
	FE 55	10%			FE 55	1%							AG 110M	1%
													H 3	49%
CHILD	SR 89	1%	I 131	2%	SR 90	5%	I 131	92%	I 131	4%	CS 137	3%	CO 58	10%
	SR 90	28%	CS 137	21%	I 131	1%	H 3	7%	CS 137	9%	CS 134	2%	CO 60	1%
	I 131	3%	CS 134	16%	CS 137	4%			CS 134	6%	H 3	89%	LA 140	3%
	CS 137	37%	CO 58	1%	CS 134	4%			H 3	77%	C 14	1%	SB 125	6%
	CS 134	16%	H 3	55%	CO 58	6%					FE 55	1%	SB 124	4%
	C 14	5%	FE 55	1%	H 3	74%							H 3	67%
	FE 55	4%											FE 55	1%

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

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNE	LUNG	GI-LLI
DRINKING	CUMUL TOTAL	2.05E+08	3.59E-02	7.37E-02	6.43E-02	4.80E-01	5.49E-[illegible]	4.92E-02	8.46E-02

HYDROSPHERE TRITIUM DOSE

PATHWAY	AGE GROUP	USAGE	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI-LLI
WATER	TOTAL	2.20E+00	6.03E-10	6.03E-10	6.03E-10	6.03E-10	6.03E-10	6.03E-10	6.03E-10

* * * RECREATION POPULATION DOSES * * *

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
SHORELINE	TOTAL POPUL	4.10E+07	1.01E-01	8.69E-02	8.69E-02

LOCATION- DOWN STREAM

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

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	SKIN	TOTAL BODY
ADULT		
	CS 137 23%	CS 137 23%
	CS 134 9%	CS 134 9%
	CO 58 11%	CO 58 10%
	MN 54 2%	MN 54 2%
	CO 60 29%	CO 60 29%
	SB 125 21%	SB 125 21%
	AG 110M 1%	AG 110M 1%

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
SWIMMING	TOTAL POPUL	4.10E+07	0.00E+00	3.18E-03	3.18E-03

LOCATION- DOWN STREAM

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

* * * ISOTOPE CONTRIBUTION * * *

AGE GROUP	SKIN	TOTAL BODY
ADULT		
		I 131 3%
		CS 137 2%
		CS 134 4%
		CO 58 54%
		MN 54 2%
		CO 60 6%
		LA 140 7%
		SB 125 7%
		SB 124 6%
		AG 110M 2%

PATHWAY	AGE GROUP	USAGE	DOSE(MAN-REM) SKIN	TOTAL BODY	THYROID
BOATING	TOTAL POPUL	4.10E+07	0.00E+00	1.59E-03	1.59E-03

LOCATION- DOWN STREAM

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

* * * DOSE TO BIOTA * * *
MRADS PER .5YR

TABLE VII-E-6

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

	INTERNAL	EXTERNAL	TOTAL
FISH	5.14E-01	6.83E-01	1.20E+00
INVERTEBRATE	2.17E+00	1.36E+00	3.53E+00
ALGAE	1.56E+00	4.98E-03	1.57E+00
MUSKRAT	2.58E+00	4.54E-01	3.03E+00
RACCOON	5.65E-01	3.39E-01	8.04E-01
HERON	8.52E+00	4.53E-01	8.97E+00
DUCK	2.37E+00	6.80E-01	3.05E+00

* * * ISOTOPE CONTRIBUTION * * *

PATHWAY			BODY
FISH	CS	137	26%
	NB	95	2%
	CS	134	16%
	CO	58	2%
	H	3	1%
	C	14	47%
INVERTEBRATE	TE	132	21%
	CO	58	2%
	MN	54	41%
	LA	140	6%
	C	14	22%
	FE	55	3%
ALGAE	Y	90	1%
	CS	137	2%
	CS	134	1%
	CO	58	3%
	MN	54	6%
	LA	140	45%
	SB	125	11%
	SB	124	8%
	C	14	15%
	FE	55	1%
MUSKRAT	SR	90	18%
	CS	137	28%
	CS	134	21%
	CO	58	2%
	MN	54	2%
	SB	125	1%
	C	14	14%
	FE	55	8%
RACCOON	SR	90	2%
	TE	132	15%
	CS	137	4%
	CS	134	4%
	CO	58	2%
	MN	54	27%
	C	14	21%
	FE	55	20%
HERON	CS	137	50%
	CS	134	42%
	C	14	5%
DUCK	SR	90	19%
	CS	137	28%
	CS	134	19%
	CO	58	1%
	MN	54	2%
	SB	125	1%
	C	14	10%