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ComEd

February 27, 1996

JSP Ltr. #96-0017

Mr. Hub Miller
Administrator
U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532

Subject: Dresden Nuclear Power Station
Radioactive Effluent Report
NRC Dockets 50-010, 50-237, 50-249

Enclosed is the Radioactive Effluent Report for July through December, 1995 for Dresden Nuclear Power Station.

A copy of this report will be furnished to the NRC Resident Inspector.

Sincerely,

J. Stephen Perry
Vice President
BWR Operations

JSP/kls

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Gaseous Effluents - Dose

This Specification is provided to ensure that the dose at the unrestricted area boundary from gaseous effluents from the units on site will be within the annual dose limits of 10 CFR Part 20 for unrestricted areas. The annual dose limits are the doses associated with the concentrations of 10 CFR Part 20, Appendix B, Table II. These limits provide reasonable assurance that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits specified in Appendix B, Table II of 10 CFR Part 20 (10 CFR Part 20.106(b)). The specified release rate limits restrict, at all times, the corresponding gamma and beta dose rates above background to an individual at or beyond the unrestricted area boundary to less than or equal to 500 mrem/year to the total body or to less than or equal to 3000 mrem/year to the skin. These release rate limits also restrict, at all times, the corresponding thyroid dose rate above background to a child via the inhalation pathway to less than or equal to 1500 mrem/year. For purposes of calculating doses resulting from airborne releases, the main chimney is considered to be an elevated release point and the reactor building vent stack is considered to be a mixed mode release point.

Dose, Noble Gases

This Specification is provided to implement the requirements of Sections II.B, III.A and IV.A of Appendix I, 10 CFR Part 50. The Limiting Conditions For Operation implement the guides set forth in Section II.3 of Appendix I. The statements provide the required operating flexibility and at the same time implement the guides set forth in Section IV.A of Appendix I to assure that the releases of radioactive material in gaseous effluents will be kept "as low as is reasonably achievable." The Surveillance Requirements implement the requirements in Section III.A of Appendix I that conformance with the guides of Appendix I is to be shown by calculational procedures based on models and data such that the actual exposure of an individual through the appropriate pathways is unlikely to be substantially underestimated. The dose calculations established in the ODCM for calculating the doses due to the actual release rates of radioactive noble gases in gaseous effluents will be consistent with the methodology provided in Regulatory Guide 1.109, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I," Revision 1, October 1977 and Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water Cooled Reactors," Revision 1, July 1977. The ODCM equations provide for determining the air doses at the unrestricted boundary based upon the historical average atmospheric conditions. NUREG-0133 provides methods for dose calculations consistent with Regulatory Guides 1.109 and 1.111.

Dose, Radioiodines, Radioactive Material in Particulate Form and Radionuclides Other than Noble Gases

This specification is provided to implement the requirements of Sections II.C, III.A and IV.A of Appendix I, 10 CFR Part 50. The Limiting Conditions for Operation are the guides set forth in Section II.C of Appendix I. The statements provide the required operating flexibility and at the same time implement the guides set forth in Section IV.A of Appendix I to assure that the releases of radioactive materials in gaseous effluents will be kept "as low as reasonably achievable." The ODCM calculational methods specified in the surveillance requirements implement the requirements in Section III.A of Appendix I that conformance with the guides of Appendix I be shown by calculational procedures based on models and data such that the actual exposure of an individual through appropriate pathways is unlikely to be substantially underestimated. The ODCM calculational methods approved by NRC for calculating the doses due to the actual release rates of the subject materials are required to be consistent with the methodology provided in Regulatory Guide 1.109, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I", Revision 1, October 1977 and Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors," Revision l, July 1977. These equations also provide for determining the actual doses based upon the historical average atmospheric conditions. The release rate specifications for radioiodines, radioactive material in particulate form and radionuclides other than noble gases are dependent on the existing radionuclide pathways to man, in the unrestricted area. The pathways which were examined in the development of these specifications were: 1) individual inhalation of airborne radionuclides, 2) deposition of radionuclides onto green leafy vegetation with subsequent consumption by man and 3) deposition onto grassy areas where milk animals graze with consumption of the milk by man.

Gaseous Waste Treatment

The OPERABILITY of the gaseous waste treatment which reduces amounts or concentrations of radioactive materials ensures that the system will be available for use whenever gaseous effluents require treatment prior to release to the environment. The requirement that the appropriate portions of this system be operable when specified provides reasonable assurance that the releases of radioactive materials in gaseous effluents will be kept "as low as reasonably achievable". This specification implements the requirements of 10 CFR Part 50.36a, General Design Criterion 60 of Appendix A to 10 CFR Part 50, and design objective Section II.D of Appendix I to 10 CFR Part 50.

LIQUID EFFLUENTS

Concentration

This specification is provided to ensure the concentration of radioactive materials released in liquid waste effluents from the site to unrestricted areas will be less than the concentration levels specified in 10 CFR Part 20, Appendix B, Table II, Column 2. The concentration limit for noble gases, MPC in air (submersion), was converted to an equivalent concentration in water using the International Commission on Radiological Protection (ICRP) Publication 2.

Dose

This specification is provided to implement the requirements of Sections II.A, III.A and IV.A of Appendix I, 10 CFR Part 50. The Limiting Condition for Operation implements the guides set forth in Section II.A of Appendix I. The statements provide the required operating flexibility and at the same time implement the guides set forth in Section IV.A of Appendix I to assure that the releases of radioactive material in liquid effluents will be kept "as low as reasonably achievable". The dose calculations in the ODCM implement the requirements in Section III.A of Appendix I that conformance with the guides of Appendix I be shown by calculational procedures based on models and data such that the actual exposure of an individual through appropriate pathways is unlikely to be substantially underestimated. The equations specified in the ODCM for calculating the doses due to the actual release rates of radioactive materials in liquid effluents will be consistent with the methodology provided in Regulatory Guide 1.109, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I", Revision 1, October 1977 and Regulatory Guide 1.113, "Estimating Aquatic Dispersion of Effluents from Accidental and Routine Reactor Releases for the Purpose of Implementing Appendix I", April 1977. NUREG-0113 provides methods for dose calculations with Reg Guide 1.109 and 1.113.

Liquid Waste Treatment

The operability of the liquid radwaste treatment system ensures that this system will be available for use whenever liquid effluents require treatment prior to release to the environment. The requirement that the appropriate portions of this system be used when specified provides assurance that the releases of radioactive materials in liquid effluents will be kept "as low as reasonably achievable". This specification implements the requirements of 10 CFR Part 50 and design objective Section II.D of Appendix I to 10 CFR Part 50.

DRESDEN NUCLEAR POWER STATION DOCKET NOS. 50-10, 50-237, 50-249
MAXIMUM PERMISSIBLE CONCENTRATIONS (MPC)

The concentration of radioactive materials released in gaseous and liquid effluents from the site to unrestricted areas will be less than the concentration levels specified in 10 CFR Part 20, Appendix B, Table II, Columns 1 and 2. The concentration limit for noble gases, MPC in air (submersion), was converted to an equivalent concentration in water using the International Commission on Radiological Protection (ICRP) Publication 2.

MAXIMUM PERMISSIBLE CONCENTRATION OF DISSOLVED
OR ENTRAINED NOBLE GASES RELEASED FROM
THE SITE TO UNRESTRICTED AREAS
IN LIQUID WASTE

NUCLIDE	MPC(uCi/ml)*
Kr-85m	2.OE-04
Kr-85	5.0E-04
Kr-87	4.OE-05
Kr-88	9.OE-05
Ar-41	7.0E-05
Xe-131m	7.OE-04
Xe-133m	5.OE-04
Xe-133	6.OE-04
Xe-135m	2.0E-04
Xe-135	2.OE-04

* Computed from Equation 20 of ICRP Publication 2 (1959), adjusted for infinite cloud submersion in water, and R = 0.01 rem/week, density = 1.0 g/cc and Pw/Pt = 1.0.

AVERAGE ENERGY

The average energy of fission and activation gases was calculated for the gaseous effluents released from the site. The average energy is based on the percentage of each fission gas nuclide present and its average energy per disintegration (E in MeV/dis) for gamma and beta emissions separately.

E_{GAMMA} = 4.94E-01 MeV/dis

E_{BETA} = 3.56E-01 MeV/dis

EQUIPMENT OUT-OF SERVICE

The Unit 2 Service Water Monitor was out of service from 8 November 1995 to present due to insufficient flow through the system. The insufficient flow is a result of equipment which uses service water not operating because of the ongoing Unit 2 outage. Once there is sufficient flow, the monitor will be returned to service. During this time the service water was monitored by Technical Specification requirements of grab samples once every 12 hours.

LER 2-95-013 was written because of inadequate sampling of service water. Due to the use of a superseded procedure on the recently modified Unit 2 service water radiation monitoring system there was inadequate flow to the monitor. This condition existed from 3 July 1995 to 5 July 1995. Based on gamma isotopic data from grab samples of U2 service water before, during and after the aforementioned time period, there were no radioisotopes attributable to station operation present.

DRESDEN NUCLEAR POWER STATION DOCKET NOS. 50-10, 50-237, 50-249

MEASUREMENTS AND APPROXIMATIONS

A. Fission and activation gases: The D-1 Chimney, D2/3 Chimney, and D2/3 Reactor Building Vent are sampled weekly via a grab sample. The samples are analyzed for specific isotopes present in the release using a Hyper-Pure Germanium (HP Ge) Spectrometry System. Tritium is sampled monthly via a grab sample on the D-1 Chimney, D2/3 Chimney, and D2/3 Reactor Building Vent and analyzed using a Liquid Scintillation Counter. Krypton-85 is estimated in the D2/3 Chimney using a recoil or non-recoil calculation using the fission per second plot and the sum of Kr-85m, Kr-87, Kr-88, Xe-133, Xe-135, and Xe 138 activities present in Reactor Off-Gas.

B. Iodine and Particulate: Iodine and particulate samples from the D-1 Chimney, D2/3 Chimney and the D2/3 Reactor Building Vent are collected for a maximum seven day period. These samples are analyzed for specific nuclides present in the release using a HP Ge spectrometry system. When iodine or particulate samples are not used for reporting the release rate due to management decision that the sample may not be representative, an average of the preceding sample and the following sample is used to calculate the release. A monthly composite of the particulate samples is sent to a vendor to be analyzed for Fe-55, Sr-89, Sr-90, and Gross Alpha activity.

C. Liquid Effluents: Analyzed for specific isotopes present in the release using a HP Ge spectrometry system. A composite of all batches for the month is sent to a vendor to be analyzed for Sr-89, Sr-90, Fe-55, H-3, and Gross Alpha activity. A sample of each Containment Cooling Service Water (CCSW) system is analyzed each month for specific isotopes present in the release using a HP Ge spectrometry system. A sample of each CCSW system is sent each month to a vendor to be analyzed for Sr-89, Sr-90, Fe-55, H-3, and Gross Alpha activity.

D. Estimation of Overall Errors: The methods used for estimating overall errors associated with radioactivity measurements vary with discharge path and form of isotopes. Factors that contribute to the error include such items as calibration of counting equipment, counting statistics, sampling error, discharge volume, and flow rate monitors.

E. Estimation of Data:

The particulate filter from the 2/3 chimney was lost prior to shipment offsite for analysis for Sr-89, Sr-90, Fe-55 and Gross Alpha for the period of 25 Oct 1995 to 27 Oct 1995. This sample did, however, have a gamma isotopic performed. Data for the Sr-89, Sr-90, Fe-55 and Gross Alpha were estimated based on the vendor data from the time period of 20 Sept 1995 to 25 Oct 1995 and 27 Oct 1995 to 8 Nov 1995.

The tritium released from the D-1 Chimney, 2/3 Chimney and the 2/3 Reactor Building Vent was estimated using the monthly average releases from January 1995 to June 1995.

A corrected Effluent Report will be submitted after the data is available and compiled.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

GASEOUS EFFLUENTS

Docket Numbers: 50-10/50-237/50-249

SUMMATION OF ALL RELEASES

TYPE OF RELEASE		UNITS	3rd QUARTER	4th QUARTER	EST. TOTAL ERROR, %
A.	FISSION AND ACTIVATION GASES				
1.	Total Release	Ci	4.09E-01	4.73E+01	7.31
2.	Average Release Rate for Period	µCi/sec	5.15E-02	5.95E+00	
3.	Percent of Technical Specification Limit	%	*	*	
B.	IODINES				
1.	Total Iodine-131	Ci	1.79E-05	1.40E-04	21.6
2.	Average Release Rate of I-131 for Period	µCi/sec	2.25E-06	1.76E-05	
3.	Percent of Technical Specification Limit	%	*	*	
4.	Total Iodine-131, Iodine-133, and Iodine-135	Ci	1.01E-04	1.25E-03	
C.	PARTICULATES				
1.	Particulates with half-lives > 8 days	Ci	2.75E-03	9.98E-04	34.1
2.	Average Release Rate for Period	µCi/sec	3.46E-04	1.24E-04	
3.	Percent of Technical Specification Limit	%	*	*	
4.	Gross Alpha Radioactivity	Ci	2.37E-06	4.06E-07	
	TRITIUM				
1.	Total Release	Ci	1.97E+00	1.97E+00	7.89
2.	Average Release Rate for Period	µCi/sec	2.47E-01	2.47E-01	
3.	Percent of Technical Specification Limit	%	*	*	

* The information is contained in the Radiological Impact on Man section of the report. Total airborne release data is provided which includes fission and activation gases, iodines, particulates, and tritium.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

GASEOUS EFFLUENTS Docket Numbers: 50-10/50-237/50-249

TABLE OF LOWER LIMITS OF DETECTABILITY FOR AIRBORNE EFFLUENTS

1. FISSION GASES	(uCi/cc)
Xe-138	1.22E-07
Xe-135m	6.43E-08
Kr-87	3.64E-08
Kr-88	3.90E-08
Kr-85m	1.11E-08
Kr-85	2.99E-06
Xe-135	9.36E-09
Xe-133	3.10E-08
Ar-41	3.21E-08
Xe133m	8.44E-08

2. IODINES	(uCi/cc)
I-131	4.80E-13
I-133	7.86E-13
I-135	6.03E-12

3. PARTICULATES	(uCi/cc)
Sr-89	2.56E-14
Sr-90	1.09E-14
Cr-51	3.67E-12
Mn-54	8.08E-13
Co-58	5.94E-13
Fe-55	1.55E-14
Fe-59	1.23E-12
Co-60	1.25E-12
Zr-95	8.70E-13
Nb-95	4.94E-13
Mo-99	4.16E-13
Ru-103	3.63E-13
Ag-110m	4.33E-13
Sb-124	4.03E-13
I-131	5.19E-13
Cs-134	4.94E-13
Cs-136	5.63E-13
Cs-137	5.32E-12
Ba-140	1.95E-12
La-140	2.32E-12
Ce-141	4.85E-13
Ce-144	2.24E-12
Zn-65	1.49E-12
Ba-133	4.81E-13
Sb-125	9.32E-13
Others:	
H-3	7.46E-07
Gross Alpha	1.18E-15

DRESDEN NUCLEAR POWER STATION
UNIT 1 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

D1 Chimney — Gaseous Effluents — Docket Number: 50-10
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	3rd QUARTER	4 th QUARTER	3rd QUARTER	4th QUARTER
FISSION GASES					
Xe-138	Ci	*	*		
Xe-135m	Ci	*	*		
Kr-87	Ci	*	*		
Kr-88	Ci	*	*		
Kr-85m	Ci	*	*		
Kr-85	Ci	*	*		
Xe-135	Ci	*	*		
Xe-133	Ci	*	*		
TOTAL	Ci			NONE	NONE
IODINES					
I-131	Ci	*	*		
I-133	Ci	*	*		
I-135	Ci	*	*		
TOTAL	Ci			NONE	NONE
PARTICULATES					
Sr-89	Ci	*	*		
Sr-90	Ci	*	*		
Cr-51	Ci	*	*		
Mn-54	Ci	3.13E-6	5.89E-6		
Co-58	Ci	*	*		
Fe-59	Ci	*	*		
Co-60	Ci	4.21E-6	6.36E-5		
Zr-95	Ci	*	*		
Nb-95	Ci	*	*		
Mo-99	Ci	*	*		
Ru-103	Ci	*	*		
Ag-110m	Ci	*	*		
Sb-124	Ci	*	*		
I-131	Ci	*	*		
Cs-134	Ci	*	*		
Cs-136	Ci	*	*		
Cs-137	Ci	1.60E-6	4.80E-5		
Ba-140	Ci	*	*		
La-140	Ci	*	*		
Ce-141	Ci	*	*		
Ce-144	Ci	*	*		
Zn-65	Ci	*	*		
Ba-133	Ci	*	*		
Sb-125	Ci	*	*		
Fe-55	Ci	*	*		
TOTAL	Ci	8.94E-06	1.17E-04	NONE	NONE

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNIT 1 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through September 1995

D1 Chimney — Gaseous Effluents
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

Docket Number: 50-10

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	JULY	AUGUST	SEPTEMBER	3rd QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	*	*	*	*
Kr-88	Ci	*	*	*	*
Kr-85m	Ci	*	*	*	*
Kr-85	Ci	*	*	*	*
Xe-135	Ci	*	*	*	*
Xe-133	Ci	*	*	*	*
TOTAL	Ci				
IODINES					
I-131	Ci	*	*	*	*
I-133	Ci	*	*	*	*
I-135	Ci	*	*	*	*
TOTAL	Ci				
PARTICULATES					
Sr-89	Ci	*	*	*	*
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	1.31E-06	1.82E-06	*	3.13E-06
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	*	3.84E-06	3.73E-07	4.21E-06
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	1.60E-06	*	*	1.60E-06
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	*	*	*	*
TOTAL	Ci	2.91E-06	5.66E-06	3.73E-07	8.94E-06

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNIT 1 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
October Through December 1995

D1 Chimney — Gaseous Effluents
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

Docket Number: 50-10

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	OCTOBER	NOVEMBER	DECEMBER	4th QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	*	*	*	*
Kr-88	Ci	*	*	*	*
Kr-85m	Ci	*	*	*	*
Kr-85	Ci	*	*	*	*
Xe-135	Ci	*	*	*	*
Xe-133	Ci	*	*	*	*
TOTAL	Ci				
IODINES					
I-131	Ci	*	*	*	*
I-133	Ci	*	*	*	*
I-135	Ci	*	*	*	*
TOTAL	Ci				
PARTICULATES					
Sr-89	Ci	*	*	*	*
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	4.42E-06	7.17-07	7.53E-07	5.89E-06
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	3.27E-05	3.09E-05	*	6.36E-05
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	4.50E-05	2.33E-06	6.40E-07	4.80E-05
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	*	*	*	*
TOTAL	Ci	8.21E-05	3.39E-05	1.39E-06	1.17E-04

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

D2/3 Chimney — Gaseous Effluents — Docket Numbers: 50-237/50-249
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	3rd QUARTER	4 th QUARTER	3rd QUARTER	4th QUARTER
FISSION GASES					
Xe-138	Ci	*	*		
Xe-135m	Ci	*	*		
Kr-87	Ci	*	2.55E+00		
Kr-88	Ci	*	6.62E+00		
Kr-85m	Ci	*	3.27E+00		
Kr-85	Ci	3.22E-04	1.62E-03		
Xe-135	Ci	4.09E-01	3.08E+01		
Xe-133	Ci	*	4.10E+00		
TOTAL	Ci	4.09E-01	4.73E+01	NONE	NONE
IODINES					
I-131	Ci	1.79E-05	1.34E-04		
I-133	Ci	8.27E-05	8.02E-04		
I-135	Ci	*	1.26E-04		
TOTAL	Ci	1.01E-04	1.06E-03	NONE	NONE
PARTICULATES					
Sr-89	Ci	6.70E-05	2.19E-04		
Sr-90	Ci	*	*		
Cr-51	Ci	*	*		
Mn-54	Ci	1.07E-05	4.40E-05		
Co-58	Ci	*	*		
Fe-59	Ci	*	*		
Co-60	Ci	5.95E-05	7.35E-05		
Zr-95	Ci	*	*		
Nb-95	Ci	*	*		
Mo-99	Ci	*	*		
Ru-103	Ci	*	*		
Ag-110m	Ci	*	*		
Sb-124	Ci	*	*		
I-131	Ci	*	*		
Cs-134	Ci	*	*		
Cs-136	Ci	*	*		
Cs-137	Ci	1.06E-05	1.45E-05		
Ba-140	Ci	*	*		
La-140	Ci	*	*		
Ce-141	Ci	*	*		
Ce-144	Ci	*	*		
Zn-65	Ci	*	*		
Ba-133	Ci	*	*		
Sb-125	Ci	*	*		
Fe-55	Ci	6.26E-05	3.97E-05		
TOTAL	Ci	2.10E-04	3.90E-04	NONE	NONE

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through September 1995

D2/3 Chimney — Gaseous Effluents
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

Docket Numbers: 50-237/50-249

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	JULY	AUGUST	SEPTEMBER	3rd QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	*	*	*	*
Kr-88	Ci	*	*	*	*
Kr-85m	Ci	*	*	*	*
Kr-85	Ci	*	*	3.22E-04	3.22E-04
Xe-135	Ci	*	*	4.09E-01	4.09E-01
Xe-133	Ci	*	*	*	*
TOTAL	Ci			4.09E-01	4.09E-01
IODINES					
I-131	Ci	5.65E-06	*	1.22E-05	1.79E-05
I-133	Ci	*	*	8.27E-05	8.27E-05
I-135	Ci	*	*	*	*
TOTAL	Ci	5.65E-06		9.49E-05	1.01E-04
PARTICULATES					
Sr-89	Ci	1.84E-05	3.10E-05	1.76E-05	6.70E-05
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	*	8.04E-06	2.70E-06	1.07E-05
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	*	1.12E-05	4.83E-05	5.95E-05
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	5.47E-06	*	5.09E-06	1.06E-05
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	1.63E-05	2.36E-05	2.27E-05	6.26E-05
TOTAL	Ci	4.02E-05	7.38E-05	9.64E-05	2.10E-04

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
October Through December 1995

D2/3 Chimney — Gaseous Effluents
Ground Level Releases
Semi-Elevated Releases
XX — Elevated Releases

Docket Numbers: 50-237/50-249

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	OCTOBER	NOVEMBER	DECEMBER	4th QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	9.58E-02	2.45E+00	*	2.55E+00
Kr-88	Ci	*	6.62E+00	*	6.62E+00
Kr-85m	Ci	*	3.27E+00	*	3.27E+00
Kr-85	Ci	3.11E-04	4.41E-04	8.67E-04	1.62E-03
Xe-135	Ci	*	3.08E+01	*	3.08E+01
Xe-133	Ci	*	4.10E+00	*	4.10E+00
TOTAL	Ci	9.61E-02	4.72E+01	8.67E-04	4.73E+01
IODINES					
I-131	Ci	1.35E-05	3.04E-05	9.01E-05	1.34E-04
I-133	Ci	7.68E-05	1.89E-04	5.36E-04	8.02E-04
I-135	Ci	*	*	1.26E-04	1.26E-04
TOTAL	Ci	9.03E-05	2.19E-04	7.52E-04	1.06E-03
PARTICULATES					
Sr-89	Ci	2.11E-05	1.04E-04	9.35E-05	2.19E-04
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	2.31E-05	1.84E-05	2.54E-06	4.40E-05
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	3.66E-05	3.69E-05	*	7.35E-05
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	9.31E-06	*	5.16E-06	1.45E-05
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	2.16E-05	1.29E-05	5.15E-06	3.97E-05
TOTAL	Ci	1.12E-04	1.72E-04	1.06E-04	3.90E-04

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

D2/3 Rx Building Vent — Gaseous Effluents — Docket Numbers: 50-237/50-249
Ground Level Releases
XX — Semi-Elevated Releases
Elevated Releases

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	3rd QUARTER	4 th QUARTER	3rd QUARTER	4th QUARTER
FISSION GASES					
Xe-138	Ci	*	*		
Xe-135m	Ci	*	*		
Kr-87	Ci	*	*		
Kr-88	Ci	*	*		
Kr-85m	Ci	*	*		
Kr-85	Ci	*	*		
Xe-135	Ci	*	*		
Xe-133	Ci	*	*		
TOTAL	Ci			NONE	NONE
IODINES					
I-131	Ci	*	6.29E-06		
I-133	Ci	*	8.20E-05		
I-135	Ci	*	*		
TOTAL	Ci		8.83E-05	NONE	NONE
PARTICULATES					
Sr-89	Ci	1.60E-05	*		
Sr-90	Ci	*	*		
Cr-51	Ci	*	*		
Mn-54	Ci	1.07E-04	3.58E-05		
Co-58	Ci	*	*		
Fe-59	Ci	*	*		
Co-60	Ci	9.34E-04	2.44E-04		
Zr-95	Ci	*	*		
Nb-95	Ci	*	*		
Mo-99	Ci	*	*		
Ru-103	Ci	*	*		
Ag-110m	Ci	*	*		
Sb-124	Ci	*	*		
I-131	Ci	*	*		
Cs-134	Ci	*	*		
Cs-136	Ci	*	*		
Cs-137	Ci	3.01E-06	8.6E-06		
Ba-140	Ci	*	*		
La-140	Ci	*	*		
Ce-141	Ci	*	5.43E-06		
Ce-144	Ci	*	*		
Zn-65	Ci	*	*		
Ba-133	Ci	*	*		
Sb-125	Ci	*	*		
Fe-55	Ci	1.47E-03	1.87E-04		
TOTAL	Ci	2.53E-03	4.81E-04	NONE	NONE

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
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D2/3 Rx Building Vent — Gaseous Effluents
Ground Level Releases
XX — Semi-Elevated Releases
Elevated Releases

Docket Numbers: 50-237/50-249

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	JULY	AUGUST	SEPTEMBER	3rd QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	*	*	*	*
Kr-88	Ci	*	*	*	*
Kr-85m	Ci	*	*	*	*
Kr-85	Ci	*	*	*	*
Xe-135	Ci	*	*	*	*
Xe-133	Ci	*	*	*	*
TOTAL	Ci				
IODINES					
I-131	Ci	*	*	*	*
I-133	Ci	*	*	*	*
I-135	Ci	*	*	*	*
TOTAL	Ci				
PARTICULATES					
Sr-89	Ci	1.35E-05	2.54E-06	*	1.06E-05
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	7.32E-05	2.17E-05	1.22E-05	1.07E-04
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	5.61E-04	2.42E-04	1.31E-04	9.34E-04
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	*	*	3.01E-06	3.01E-06
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	5.92E-04	6.05E-04	2.68E-04	1.47E-03
TOTAL	Ci	1.24E-03	8.71E-04	4.14E-04	2.53E-03

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNITS 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
October Through December 1995

D2/3 Rx Building Vent — Gaseous Effluents
Ground Level Releases
XX — Semi-Elevated Releases
Elevated Releases

Docket Numbers: 50-237/50-249

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	OCTOBER	NOVEMBER	DECEMBER	4th QUARTER TOTAL
FISSION GASES					
Xe-138	Ci	*	*	*	*
Xe-135m	Ci	*	*	*	*
Kr-87	Ci	*	*	*	*
Kr-88	Ci	*	*	*	*
Kr-85m	Ci	*	*	*	*
Kr-85	Ci	*	*	*	*
Xe-135	Ci	*	*	*	*
Xe-133	Ci	*	*	*	*
TOTAL	Ci				
IODINES					
I-131	Ci	*	*	6.29E-06	6.29E-06
I-133	Ci	*	*	8.20E-05	8.20E-05
I-135	Ci	*	*	*	*
TOTAL	Ci			8.83E-05	8.83E-05
PARTICULATES					
Sr-89	Ci	*	*	*	*
Sr-90	Ci	*	*	*	*
Cr-51	Ci	*	*	*	*
Mn-54	Ci	2.60E-05	*	9.83E-06	3.58E-05
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	1.39E-04	5.31E-05	5.18E-05	2.44E-04
Zr-95	Ci	*	*	*	*
Nb-95	Ci	*	*	*	*
Mo-99	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-136	Ci	*	*	*	*
Cs-137	Ci	*	*	8.60E-06	8.60E-06
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	5.43E-06	5.43E-06
Ce-144	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
Sb-125	Ci	*	*	*	*
Fe-55	Ci	9.77E-05	5.03E-05	3.92E-05	1.87E-04
TOTAL	Ci	2.63E-04	1.03E-04	1.15E-04	4.81E-04

* The activity of this nuclide is less than the LLD listed on the appropriate table.

(95mgr\rlb\0015.95)

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

LIQUID EFFLUENTS

SUMMATION OF ALL RELEASES Docket Numbers: 50-10/50-237/50-249

			UNITS	3rd QUARTER	4th QUARTER	EST. TOTAL ERROR, %
A.	FISSION AND ACTIVATION PRODUCTS					
	1.	Total Release (not including tritium, gases, alpha)	Ci	2.97E-02	2.17E-03	10.6
	2.	Average Diluted Conc. During Period	µCi/ml	5.15E-09	8.28E-09	
	3.	Percent of Applicable Limit	%	*	*	
B.	TRITIUM					
	1.	Total Release	Ci	2.00E+00	2.56E-01	11.4
	2.	Average Diluted Conc. During Period	µCi/ml	3.47E-07	9.77E-07	
	3.	Percent of Applicable Limit	%	*	*	
C.	DISSOLVED AND ENTRAINED GASES					
	1.	Total Release	Ci	<LLD	1.98E-04	5.58
	2.	Average Diluted Conc. During Period	µCi/ml	<LLD	7.56E-10	
	3.	Percent of Applicable Limit	%	*	*	
D.	GROSS ALPHA RADIOACTIVITY					
	1.	Total Release	Ci	<LLD	<LLD	15.1
E.	VOLUME OF WASTE RELEASED (prior to dilution)		Liters	3.51E+06	1.90E+06	5.00
F.	VOLUME OF DILUTION WATER USED DURING PERIOD		Liters	5.77E+09	2.63E+08	5.00

* The information is contained in the Radiological Impact on Man section of this report. Total liquid release data is provided which includes fission and activation products, tritium, and dissolved and entrained gases.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
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Docket Numbers: 50-10/50-237/50-249

TABLE OF LOWER LIMITS OF DETECTABILITY FOR LIQUID EFFLUENTS

NUCLIDE	(uCi/ml)
Sr-89	7.62E-08
Sr-90	2.38E-07
Mn-54	9.43E-08
Co-58	9.24E-08
Fe-59	2.04E-07
Co-60	1.46E-07
Zn-65	2.28E-07
Sb-124	7.61E-08
I-131	9.38E-08
Cs-134	7.63E-08
Cs-137	9.32E-08
Ba-140	2.85E-07
La-140	1.73E-07
Ce-141	1.43E-07
Xe-133	2.95E-07
Xe-135	1.03E-07
Cr-51	6.98E-07
Fe-55	5.05E-07
Cs-138	4.91E-04
H-3	5.85E-07
Gross Alpha	2.33E-08
Zr-95	1.59E-07
Kr-87	4.53E-06
Kr-88	1.16E-06
I-135	8.37E-07
I-132	5.91E-07
Ag-110m	8.37E-08
Ba-133	1.18E-07
Ce-144	4.39E-07
Cs-136	9.34E-08
I-133	1.12E-07
I-134	1.26E-05
Kr-85	2.37E-05
Mo-99	9.55E-08
Nb-95	1.02E-07
Np-239	2.77E-07
Ru-103	7.18E-08
Sb-125	2.10E-07
Xe-131m	3.20E-06
Xe-133m	6.81E-07
Xe-138	3.60E-06

DRESDEN NUCLEAR POWER STATION
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Radwaste LIQUID EFFLUENTS Docket Numbers: 50-10/50-237/50-249

1. Number of Batch Releases: 18
2. Total Time Period for Batch Releases: 5.62E+03 min
3. Maximum Time Period for a Batch Release: 3.65E+02 min
4. Average Time Period for Batch Releases: 3.12E+02 min
5. Minimum Time Period for a Batch Release: 5.30E+01 min
6. Average Stream Flow During Periods of Release of Effluent into a Flowing Stream: 1.04E+06 L/min

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	3rd QUARTER	4th QUARTER	3rd QUARTER	4th QUARTER TOTAL
Sr-89	Ci			*	*
Sr-90	Ci			*	*
Mn-54	Ci			6.16E-03	5.75E-04
Co-58	Ci			*	*
Fe-59	Ci			*	*
Co-60	Ci			1.92E-02	1.27E-03
Zn-65	Ci			*	*
Ru-103	Ci			*	*
Ag-110m	Ci			*	*
Sb-124	Ci			*	*
I-131	Ci			*	*
Cs-134	Ci			*	*
Cs-137	Ci			3.98E-03	2.34E-04
Ba-140	Ci			*	*
La-140	Ci			*	*
Ce-141	Ci			*	*
Cs-138	Ci			*	*
Fe-55	Ci			3.01E-04	8.71E-04
Zr-95	Ci			*	*
I-132	Ci			*	*
I-134	Ci			*	*
Bi-214	Ci			*	*
(above) Total For Period	Ci	NONE	NONE	2.97E-02	2.95E-03
Xe-133	Ci			*	1.98E-04
Xe-135	Ci			*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
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Radwaste LIQUID EFFLUENTS Docket Numbers: 50-10/50-237/50-249

BATCH MODE

NUCLIDES RELEASED	UNIT	JULY	AUGUST	SEPTEMBER	3rd QUARTER TOTAL
Sr-89	Ci	*	*	*	*
Sr-90	Ci	2.15E-06	2.92E-06	9.88E-07	6.06E-06
Mn-54	Ci	2.79E-04	3.52E-04	9.96E-05	7.31E-04
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	9.17E-04	1.36E-03	3.52E-04	2.63E-03
Zn-65	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-137	Ci	1.85E-04	6.32E-04	1.25E-04	9.42E-04
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Cs-138	Ci	*	*	*	*
Fe-55	Ci	5.22E-04	2.54E-03	9.06E-04	3.97E-03
Zr-95	Ci	*	*	*	*
I-132	Ci	*	*	*	*
I-134	Ci	*	*	*	*
Bi-214	Ci	*	*	*	*
(above) Total For Period	Ci	1.91E-03	4.89E-03	1.48E-03	8.28E-03
Xe-133	Ci	*	*	*	*
Xe-135	Ci	*	*	*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
October Through December 1995

Radwaste LIQUID EFFLUENTS Docket Numbers: 50-10/50-237/50-249

BATCH MODE

NUCLIDES RELEASED	UNIT	OCTOBER	NOVEMBER	DECEMBER	4th QUARTER
Sr-89	Ci	9.02E-05	1.74E-04	4.10E-04	6.74E-04
Sr-90	Ci	*	*	*	*
Mn-54	Ci	5.12E-04	8.92E-05	2.12E-03	2.72E-03
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	2.74E-05	2.74E-05
Co-60	Ci	1.37E-03	2.50E-04	5.22E-03	6.84E-03
Zn-65	Ci	*	*	*	*
Ru-103	Ci	*	*	*	*
Ag-110m	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-137	Ci	2.78E-04	1.88E-04	1.13E-03	1.60E-03
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Ce-141	Ci	*	*	*	*
Cs-138	Ci	*	*	*	*
Fe-55	Ci	1.34E-03	2.58E-03	6.08E-03	1.00E-02
Zr-95	Ci	*	*	*	*
I-132	Ci	*	*	*	*
I-134	Ci	*	*	*	*
Bi-214	Ci	*	*	*	*
(above) Total For Period	Ci	3.59E-03	3.28E-03	1.50E-02	2.19E-02
Xe-133	Ci	*	*	1.98E-04	1.98E-04
Xe-135	Ci	*	*	*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
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CCSW LIQUID EFFLUENTS Docket Numbers: 50-237/50-249

1. Number of Batch Releases: 4
2. Total Time Period for Batch Releases: 5.96 min
3. Maximum Time Period for a Batch Release: 1.24E+00 min
4. Average Time Period for Batch Releases: 1.24E min
5. Minimum Time Period for a Batch Release: 1.24E min
6. Average Stream Flow During Periods of Release of Effluent into a Flowing Stream: 1.42E+06 L/min

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	3rd QUARTER	4th QUARTER	3rd QUARTER	4th QUARTER
Sr-89	Ci			*	*
Sr-90	Ci			*	*
Mn-54	Ci			*	1.07E-06
Co-58	Ci			*	*
Fe-59	Ci			*	*
Co-60	Ci			*	3.32E-05
Zn-65	Ci			*	*
Sb-122	Ci			*	*
Sb-124	Ci			*	*
I-131	Ci			*	*
I-132	Ci			*	*
I-135	Ci			*	*
Cs-134	Ci			*	*
Cs-137	Ci			*	1.71E-06
Ba-140	Ci			*	*
La-140	Ci			*	*
Cs-138	Ci			*	*
Fe-55	Ci			*	*
Ba-133	Ci			*	*
H-3	Ci			*	4.77E-05
(above) Total For Period	Ci	NONE	NONE		8.37E-05
Xe-133	Ci			*	*
Xe-138	Ci			*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through September 1995

CCSW LIQUID EFFLUENTS Docket Numbers: 50-237/50-249

BATCH MODE

NUCLIDES RELEASED	UNIT	JULY	AUGUST	SEPTEMBER	3rd QUARTER TOTAL
Sr-89	Ci	*	*	*	*
Sr-90	Ci	*	*	*	*
Mn-54	Ci	*	*	*	*
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	*	*	*	*
Zn-65	Ci	*	*	*	*
Sb-122	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
I-132	Ci	*	*	*	*
I-135	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-137	Ci	*	*	*	*
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Cs-138	Ci	*	*	*	*
Fe-55	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
(above) Total For Period	Ci				
Xe-133	Ci	*	*	*	*
Xe-138	Ci	*	*	*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
October Through December 1995

CCSW LIQUID EFFLUENTS Docket Numbers: 50-237/50-249

BATCH MODE

NUCLIDES RELEASED	UNIT	OCTOBER	NOVEMBER	DECEMBER	4th QUARTER TOTAL
Sr-89	Ci	*	*	*	*
Sr-90	Ci	*	*	*	*
Mn-54	Ci	1.07E-06	*	*	1.07E-06
Co-58	Ci	*	*	*	*
Fe-59	Ci	*	*	*	*
Co-60	Ci	3.12E-05	2.05E-06	*	3.32E-05
Zn-65	Ci	*	*	*	*
Sb-122	Ci	*	*	*	*
Sb-124	Ci	*	*	*	*
I-131	Ci	*	*	*	*
I-132	Ci	*	*	*	*
I-135	Ci	*	*	*	*
Cs-134	Ci	*	*	*	*
Cs-137	Ci	*	1.71E-06	*	1.71E-06
Ba-140	Ci	*	*	*	*
La-140	Ci	*	*	*	*
Cs-138	Ci	*	*	*	*
Fe-55	Ci	*	*	*	*
Ba-133	Ci	*	*	*	*
H-3	Ci	2.39E-05	2.39E-05	*	4.77E-05
(above) Total For Period	Ci	5.61E-5	2.76E-5		8.37E-05
Xe-133	Ci	*	*	*	*
Xe-138	Ci	*	*	*	*

* The activity of this nuclide is less than the LLD listed on the appropriate table.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

Docket Numbers: 50-10/50-237/50-249

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

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

1. Type of Waste		Unit	6-month period	Est. Total Error, %
a.	Spent resins, filter sludges, evaporator bottoms, etc.	m^3	1.99E+03	12.4
		Ci	8.21E+02	
b.	Dry compressible waste, contaminated equipment, etc.	m^3	1.41E+03	16.6
		Ci	1.11E+01	
c.	Irradiated components, control rods, etc.	m^3	None	
		Ci	None	
d.	Other (describe)	m^3	None	
		Ci	None	

2. Estimate of Major Nuclide Composition (by type of waste)

a. Spent resins, filter sludges, evaporator bottoms, etc.

	Percent %	Curies
Co-60	5.18E+01	4.25E+02
Fe-55	2.43E+01	1.99E+02
Mn-54	1.81E+01	1.49E+02
Cr-51	2.10E+00	1.72E+01
Cs-137	1.65E+00	1.35E+01
Ni-63	1.11E+00	9.12E+00

b. Dry compressible waste, contaminated equipment, etc.

Co-60	4.02E+01	4.46E+00
Fe-55	3.53E+01	3.92E+00
Mn-54	1.06E+01	1.18E+00
Ni-63	6.10E+00	6.73E-01
Ni-59	4.50E+00	5.03E-01
Cs-137	1.70E+00	1.84E-01

3.Solid Waste Disposition

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
41	Motor Freight (exclusive use only)	CNSI, Barnwell, SC
29	Motor Freight (exclusive use only)	AERC, Oak Ridge, TN
8	Motor Freight (exclusive use only)	SEG, Oak Ridge, TN

B. IRRADIATED FUEL SHIPMENTS (Disposition)

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
None		

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
July Through December 1995

ABNORMAL RELEASES *

A.	LIQUID		
	1.	Number of Releases:	1
	2.	Total Activity Releases:	1.44E-02 Ci
		TOTAL	1
B.	GASEOUS		
	1.	Number of Releases:	0
	2.	Total Activity Releases:	0
		TOTAL	0

A.1 In June, 1994, elevated tritium levels were discovered in the on-site storm sewers. The highest storm drain concentration, 1,434 pCi/l, was used for both the third and fourth quarters of 1995. The total activity released is based on an estimated typical discharge flow of 10 gallons per minute and the highest tritium level for the third quarter. No other isotopes were found in the samples. Various storm sewer locations on-site are now periodically analyzed for tritium.

3rd Quarter	H-3	7.19E-03 Ci
4th Quarter	H-3	7.19E-03 Ci

* These releases are not included in the Liquid Effluents Summation of all Releases Table

DRESDEN NUCLEAR POWER STATION DOCKET NOS. 50-10, 50-237, 50-249

RADIOLOGICAL IMPACT ON MAN

DRESDEN STATION UNIT ONE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )
BETA AIR (MRAD)	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )
TOT. BODY (MREM)	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )
SKIN (MREM)	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )	0.00E+00 ( )
ORGAN (MREM)	6.62E-06 (SSE)	1.12E-05 (ESE)	1.11E-05 (SSE)	1.39E-04 (SSE)	1.68E-04 (SSE)
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT ONE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
BETA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
TOT. BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
SKIN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
ORGAN	6.36E-06	3.96E-05	4.77E-05	1.86E-04	2.79E-04
(MREM)	(S)	(SSE)	(SSE)	(SSE)	(SSE)
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
CHILD RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT ONE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
BETA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
TOT. BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
SKIN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
ORGAN	5.30E-06	2.74E-05	3.30E-05	1.62E-04	2.28E-04
(MREM)	(S)	(SSE)	(SSE)	(SSE)	(SSE)
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
TEENAGER RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT ONE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
BETA AIR	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MRAD)	( )	( )	( )	( )	( )
TOT. BODY	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
SKIN	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(MREM)	( )	( )	( )	( )	( )
ORGAN	6.59E-06	2.45E-05	2.95E-05	1.52E-04	2.11E-04
(MREM)	(S)	(SSE)	(SSE)	(SSE)	(SSE)
	LIVER	LIVER	GI_LLI	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
		LIVER	LIVER	GI_LLI	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.55E-06	9.79E-06	0.00E+00	0.00E+00	1.13E-05
(MRAD)	(N)	(N)	( )	( )	(N)
BETA AIR	2.90E-07	1.85E-06	0.00E+00	0.00E+00	2.14E-06
(MRAD)	(E)	(E)	( )	( )	(E)
TOT. BODY	1.17E-06	7.36E-06	0.00E+00	0.00E+00	8.53E-06
(MREM)	(N)	(N)	( )	( )	(N)
SKIN	1.42E-06	8.77E-06	0.00E+00	0.00E+00	1.02E-05
(MREM)	(N)	(N)	( )	( )	(N)
ORGAN	1.65E-03	5.64E-03	1.94E-03	3.22E-05	9.20E-03
(MREM)	(N)	(N)	(N)	(SSW)	(N)
	LUNG	THYROID	LUNG	LIVER THYROID KIDNEY LUNG GI_LLI	THYROID

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.02	0.08	0.03	0.00	15.0	0.06
		LUNG	THYROID	LUNG	LIVER THYROID KIDNEY LUNG GI_LLI		THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	1.55E-06 (N)	9.79E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	1.13E-05 (N)
BETA AIR (MRAD)	2.90E-07 (E)	1.85E-06 (E)	0.00E+00 ( )	0.00E+00 ( )	2.14E-06 (E)
TOT. BODY (MREM)	1.17E-06 (N)	7.36E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	8.53E-06 (N)
SKIN (MREM)	1.42E-06 (N)	8.77E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	1.02E-05 (N)
ORGAN (MREM)	1.66E-03 (N)	6.17E-03 (N)	2.29E-03 (N)	9.41E-05 (NNW)	1.02E-02 (N)
	LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
CHILD RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.02	0.08	0.03	0.00	15.0	0.07
		LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI		GI_LLI

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	1.55E-06 (N)	9.79E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	1.13E-05 (N)
BETA AIR (MRAD)	2.90E-07 (E)	1.85E-06 (E)	0.00E+00 ( )	0.00E+00 ( )	2.14E-06 (E)
TOT. BODY (MREM)	1.17E-06 (N)	7.36E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	8.53E-06 (N)
SKIN (MREM)	1.42E-06 (N)	8.77E-06 (N)	0.00E+00 ( )	0.00E+00 ( )	1.02E-05 (N)
ORGAN (MREM)	1.67E-03 (N)	6.34E-03 (N)	2.31E-03 (N)	6.66E-05 (NNW)	1.03E-02 (N)
	LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
TEENAGER RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.02	0.08	0.03	0.00	15.0	0.07
		LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI		GI_LLI

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	1.55E-06	9.79E-06	0.00E+00	0.00E+00	1.13E-05
(MRAD)	(N)	(N)	( )	( )	(N)
BETA AIR	2.90E-07	1.85E-06	0.00E+00	0.00E+00	2.14E-06
(MRAD)	(E)	(E)	( )	( )	(E)
TOT. BODY	1.17E-06	7.36E-06	0.00E+00	0.00E+00	8.53E-06
(MREM)	(N)	(N)	( )	( )	(N)
SKIN	1.42E-06	8.77E-06	0.00E+00	0.00E+00	1.02E-05
(MREM)	(N)	(N)	( )	( )	(N)
ORGAN	1.65E-03	6.30E-03	2.29E-03	7.81E-05	1.03E-02
(MREM)	(N)	(N)	(N)	(NNW)	(N)
	LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.00	5.0	0.00
SKIN (MREM)	7.5	0.00	0.00	0.00	0.00	15.0	0.00
ORGAN (MREM)	7.5	0.02	0.08	0.03	0.00	15.0	0.07
		LUNG	GI_LLI	GI_LLI	LIVER THYROID KIDNEY LUNG GI_LLI		GI_LLI

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR (MRAD)	2.81E-05 (N)	1.47E-04 (N)	2.56E-06 (N)	6.43E-04 (N)	8.20E-04 (N)
BETA AIR (MRAD)	5.24E-06 (E)	2.75E-05 (E)	4.79E-07 (E)	6.18E-05 (E)	9.50E-05 (E)
TOT. BODY (MREM)	2.11E-05 (N)	1.10E-04 (N)	1.93E-06 (N)	1.20E-03 (WNW)	1.26E-03 (WNW)
SKIN (MREM)	2.56E-05 (N)	1.31E-04 (N)	2.34E-06 (N)	5.46E-04 (N)	7.05E-04 (N)
ORGAN (MREM)	1.03E-02 (N)	9.03E-03 (N)	2.73E-03 (N)	1.43E-03 (N)	2.34E-02 (N)
	LUNG	THYROID	LUNG	THYROID	THYROID

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
INFANT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.01	10.0	0.01
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.05	5.0	0.03
SKIN (MREM)	7.5	0.00	0.00	0.00	0.01	15.0	0.00
ORGAN (MREM)	7.5	0.14	0.12	0.04	0.02	15.0	0.16
		LUNG	THYROID	LUNG	THYROID		THYROID

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.81E-05	1.47E-04	2.56E-06	6.43E-04	8.20E-04
(MRAD)	(N)	(N)	(N)	(N)	(N)
BETA AIR	5.24E-06	2.75E-05	4.79E-07	6.18E-05	9.50E-05
(MRAD)	(E)	(E)	(E)	(E)	(E)
TOT. BODY	2.11E-05	1.10E-04	1.93E-06	1.20E-03	1.26E-03
(MREM)	(N)	(N)	(N)	(WNW)	(WNW)
SKIN	2.56E-05	1.31E-04	2.34E-06	5.46E-04	7.05E-04
(MREM)	(N)	(N)	(N)	(N)	(N)
ORGAN	1.04E-02	1.26E-02	4.13E-03	1.84E-03	2.76E-02
(MREM)	(N)	(N)	(N)	(N)	(N)
	LUNG	BONE	GI_LLI	GI_LLI	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
CHILD RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.01	10.0	0.01
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.05	5.0	0.03
SKIN (MREM)	7.5	0.00	0.00	0.00	0.01	15.0	0.00
ORGAN (MREM)	7.5	0.14	0.17	0.06	0.02	15.0	0.18
		LUNG	BONE	GI_LLI	GI_LLI		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.81E-05	1.47E-04	2.56E-06	6.43E-04	8.20E-04
(MRAD)	(N)	(N)	(N)	(N)	(N)
BETA AIR	5.24E-06	2.75E-05	4.79E-07	6.18E-05	9.50E-05
(MRAD)	(E)	(E)	(E)	(E)	(E)
TOT. BODY	2.11E-05	1.10E-04	1.93E-06	1.20E-03	1.26E-03
(MREM)	(N)	(N)	(N)	(WNW)	(WNW)
SKIN	2.56E-05	1.31E-04	2.34E-06	5.46E-04	7.05E-04
(MREM)	(N)	(N)	(N)	(N)	(N)
ORGAN	1.04E-02	1.05E-02	3.79E-03	1.70E-03	2.61E-02
(MREM)	(N)	(N)	(N)	(N)	(N)
	LUNG	GI_LLI	GI_LLI	GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
TEENAGER RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.01	10.0	0.01
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.05	5.0	0.03
SKIN (MREM)	7.5	0.00	0.00	0.00	0.01	15.0	0.00
ORGAN (MREM)	7.5	0.14	0.14	0.05	0.02	15.0	0.17
		LUNG	GI_LLI	GI_LLI	GI_LLI		GI_LLI

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
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DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES RESULTING FROM AIRBORNE RELEASES
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
GAMMA AIR	2.81E-05	1.47E-04	2.56E-06	6.43E-04	8.20E-04
(MRAD)	(N)	(N)	(N)	(N)	(N)
BETA AIR	5.24E-06	2.75E-05	4.79E-07	6.18E-05	9.50E-05
(MRAD)	(E)	(E)	(E)	(E)	(E)
TOT. BODY	2.11E-05	1.10E-04	1.93E-06	1.20E-03	1.26E-03
(MREM)	(N)	(N)	(N)	(WNW)	(WNW)
SKIN	2.56E-05	1.31E-04	2.34E-06	5.46E-04	7.05E-04
(MREM)	(N)	(N)	(N)	(N)	(N)
ORGAN	1.03E-02	1.03E-02	3.68E-03	1.66E-03	2.58E-02
(MREM)	(N)	(N)	(N)	(N)	(N)
	LUNG	GI_LLI	GI_LLI	GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10CFR 50 APP. I
ADULT RECEPTOR

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
GAMMA AIR (MRAD)	5.0	0.00	0.00	0.00	0.01	10.0	0.01
BETA AIR (MRAD)	10.0	0.00	0.00	0.00	0.00	20.0	0.00
TOT. BODY (MREM)	2.5	0.00	0.00	0.00	0.05	5.0	0.03
SKIN (MREM)	7.5	0.00	0.00	0.00	0.01	15.0	0.00
ORGAN (MREM)	7.5	0.14	0.14	0.05	0.02	15.0	0.17
		LUNG	GI_LLI	GI_LLI	GI_LLI		GI_LLI

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	6.74E-07	5.23E-07	1.12E-05	1.34E-06	1.37E-05
INTERNAL ORGAN	8.99E-07	7.33E-07	3.18E-05	2.84E-06	3.62E-05
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.00	0.00	0.00	0.00	3.0	0.00
CRIT. ORGAN(MREM)	5.0	0.00	0.00	0.00	0.00	10.0	0.00
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
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DRESDEN STATION UNIT TWO

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	6.74E-07	5.23E-07	1.12E-05	1.34E-06	1.37E-05
INTERNAL ORGAN	8.99E-07	7.33E-07	3.18E-05	2.84E-06	3.62E-05
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.000
INTERNAL ORGAN	4.0 MREM	0.001
		LIVER

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	2.21E-06	1.85E-06	1.55E-04	1.19E-05	1.71E-04
INTERNAL ORGAN	1.07E-05	9.41E-06	9.76E-04	7.02E-05	1.07E-03
	LIVER	LIVER	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
TOTAL BODY (MREM)	1.5	0.00	0.00	0.01	0.00	3.0	0.01
CRIT. ORGAN(MREM)	5.0	0.00	0.00	0.02	0.00	10.0	0.01
		LIVER	LIVER	BONE	BONE		BONE

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
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DRESDEN STATION UNIT TWO

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	6.86E-07	5.36E-07	1.19E-05	1.39E-06	1.46E-05
INTERNAL ORGAN	8.40E-07	6.85E-07	2.58E-05	2.39E-06	2.97E-05
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.000
INTERNAL ORGAN	4.0 MREM	0.001
		LIVER

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
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DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	4.12E-06	3.61E-06	3.61E-04	2.64E-05	3.95E-04
INTERNAL ORGAN	1.11E-05	9.82E-06	1.02E-03	7.42E-05	1.12E-03
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.00	0.00	0.02	0.00	3.0	0.01
CRIT. ORGAN(MREM)	5.0	0.00	0.00	0.02	0.00	10.0	0.01
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
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DRESDEN STATION UNIT TWO

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	3.71E-07	2.95E-07	7.35E-06	8.00E-07	8.82E-06
INTERNAL ORGAN	4.31E-07	3.49E-07	1.41E-05	1.43E-06	1.63E-05
	GI_LLI	LIVER	GI_LLI	GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.000
INTERNAL ORGAN	4.0 MREM	0.000
		GI_LLI

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
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DRESDEN STATION UNIT TWO

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	7.35E-06	6.49E-06	6.53E-04	4.75E-05	7.15E-04
INTERNAL ORGAN	1.10E-05	9.71E-06	9.98E-04	7.27E-05	1.09E-03
	LIVER	LIVER	LIVER	LIVER	LIVER

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.00	0.00	0.04	0.00	3.0	0.02
CRIT. ORGAN(MREM)	5.0	0.00	0.00	0.02	0.00	10.0	0.01
		LIVER	LIVER	LIVER	LIVER		LIVER

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
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DRESDEN STATION UNIT TWO

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	5.38E-07	4.33E-07	1.15E-05	1.20E-06	1.36E-05
INTERNAL ORGAN	6.30E-07	4.63E-07	2.19E-05	2.19E-06	2.52E-05
	GI_LLI	LIVER	GI_LLI	GI_LLI	GI_LLI

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.000
INTERNAL ORGAN	4.0 MREM	0.001
		GI_LLI

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
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DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	4.65E-05	9.00E-05	1.12E-05	1.23E-06	1.49E-04
INTERNAL ORGAN	2.66E-04	5.18E-04	3.18E-05	2.45E-06	8.06E-04
	BONE	BONE	LIVER	LIVER	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
		---------- % OF APP I. ----------					
TOTAL BODY (MREM)	1.5	0.00	0.01	0.00	0.00	3.0	0.00
CRIT. ORGAN(MREM)	5.0	0.01	0.01	0.00	0.00	10.0	0.01
		BONE	BONE	LIVER	LIVER		BONE

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
INFANT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	4.65E-05	9.00E-05	1.12E-05	1.23E-06	1.49E-04
INTERNAL ORGAN	2.66E-04	5.18E-04	3.18E-05	2.45E-06	8.06E-04
	BONE	BONE	LIVER	LIVER	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.004
INTERNAL ORGAN	4.0 MREM	0.020
		BONE

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.91E-04	3.70E-04	1.55E-04	9.81E-06	7.26E-04
INTERNAL ORGAN	1.16E-03	2.25E-03	9.76E-04	5.72E-05	4.44E-03
	BONE	BONE	BONE	BONE	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.01	0.02	0.01	0.00	3.0	0.02
CRIT. ORGAN(MREM)	5.0	0.02	0.04	0.02	0.00	10.0	0.04
		BONE	BONE	BONE	BONE		BONE

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
CHILD RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	5.58E-05	1.08E-04	1.19E-05	1.27E-06	1.77E-04
INTERNAL ORGAN	3.35E-04	6.55E-04	2.58E-05	2.09E-06	1.01E-03
	BONE	BONE	LIVER	LIVER	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.004
INTERNAL ORGAN	4.0 MREM	0.025
		BONE

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.23E-04	2.34E-04	3.61E-04	2.16E-05	7.39E-04
INTERNAL ORGAN	7.28E-04	1.41E-03	1.02E-03	6.05E-05	2.93E-03
	BONE	BONE	LIVER	LIVER	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.01	0.02	0.02	0.00	3.0	0.02
CRIT. ORGAN(MREM)	5.0	0.01	0.03	0.02	0.00	10.0	0.03
		BONE	BONE	LIVER	LIVER		BONE

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
TEENAGER RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.86E-05	3.59E-05	7.35E-06	7.25E-07	6.25E-05
INTERNAL ORGAN	1.10E-04	2.15E-04	1.41E-05	1.22E-06	3.33E-04
	BONE	BONE	GI_LLI	GI_LLI	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.002
INTERNAL ORGAN	4.0 MREM	0.008
		BONE

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

ACTUAL 1995
MAXIMUM DOSES (MREM) RESULTING FROM AQUATIC EFFLUENTS
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.21E-04	2.25E-04	6.53E-04	3.88E-05	1.04E-03
INTERNAL ORGAN	7.14E-04	1.38E-03	9.98E-04	5.93E-05	2.85E-03
	BONE	BONE	LIVER	LIVER	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 10 CFR 50 APP. I

	QTRLY OBJ	1ST QTR JAN-MAR	2ND QTR APR-JUN	3RD QTR JUL-SEP	4TH QTR OCT-DEC	YRLY OBJ	% OF APP. I
	---------- % OF APP I. ----------						
TOTAL BODY (MREM)	1.5	0.01	0.02	0.04	0.00	3.0	0.03
CRIT. ORGAN(MREM)	5.0	0.01	0.03	0.02	0.00	10.0	0.03
		BONE	BONE	LIVER	LIVER		BONE

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN STATION UNIT THREE

1995 ANNUAL REPORT
PROJECTED DOSE AT NEAREST COMMUNITY WATER SYSTEM *
PERIOD OF RELEASE - 01/01/95 TO 12/31/95 CALCULATED 02/20/96
ADULT RECEPTOR

DOSE TYPE	1ST QUARTER JAN-MAR	2ND QUARTER APR-JUN	3RD QUARTER JUL-SEP	4TH QUARTER OCT-DEC	ANNUAL
TOTAL BODY	1.90E-05	3.65E-05	1.15E-05	1.08E-06	6.80E-05
INTERNAL ORGAN	1.15E-04	2.24E-04	2.19E-05	1.87E-06	3.46E-04
	BONE	BONE	GI_LLI	GI_LLI	BONE

THIS IS A REPORT FOR THE CALENDAR YEAR 1995

COMPLIANCE STATUS - 40 CFR 141

TYPE	ANNUAL LIMIT	% OF LIMIT
TOTAL BODY	4.0 MREM	0.002
INTERNAL ORGAN	4.0 MREM	0.009
		BONE

* THIS CALCULATION OF DOSE IS BASED ON TECHNIQUES DESCRIBED IN THE COMMONWEALTH EDISON OFFSITE DOSE CALCULATION MANUAL. THESE TECHNIQUES DIFFER FROM THOSE DESCRIBED IN 40 CFR 141.

RESULTS BASED UPON: ODCM ANNEX REVISION 1.1 JULY 1994
ODCM SOFTWARE VERSION 1.1 January 1995
ODCM DATABASE VERSION 1.1 January 1995

DRESDEN NUCLEAR POWER STATION DOCKET NOS. 50-10, 50-237, 50-249

METEOROLOGICAL DATA

CECo DRESDEN STATION
35 ft. WIND SPEED and WIND DIRECTION

July-September 1995
150-35 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2208
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00					
C	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00				
A	N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00			
L	SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00		
M	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00	
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	.00
	EU	.00	.09	.00	.09	.00	.14	.00	.05	.09	.00	.05	.00	.00	.09	.05	.09	.72	.72							
	MU	.09	.05	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23		.23						
1	SU	.00	.00	.00	.00	.00	.05	.05	.05	.05	.00	.05	.00	.05	.00	.00	.05	.32			.32					
-	N	.27	.27	.09	.27	.14	.23	.14	.14	.18	.05	.14	.05	.00	.36	.27	.41	2.99				2.99				
3	SS	.63	.36	.45	.54	.59	.86	.77	.45	.68	.63	.68	.50	.27	.36	.32	.45	8.56					8.56			
	MS	.36	.36	.32	.32	.68	.59	.63	.86	.95	1.09	.45	.63	.41	.27	.23	.54	8.70						8.70		
	ES	.09	.09	.05	.14	.18	.18	.27	.41	.27	.59	.54	.14	.14	.23	.23	.86	4.39							4.39	25.91
	EU	.45	.41	.41	.41	.41	1.13	1.59	.68	.45	.54	.91	1.31	.27	.23	.23	.54	9.96	9.96							
	MU	.05	.05	.09	.05	.00	.05	.14	.14	.14	.00	.09	.18	.23	.14	.14	.00	1.45		1.45						
4	SU	.00	.05	.00	.05	.05	.09	.23	.09	.09	.14	.36	.27	.32	.09	.05	.09	1.95			1.95					
-	N	1.18	.09	.32	.50	.63	.68	.72	.59	.36	.63	1.04	.41	.50	.50	.32	.95	9.42				9.42				
7	SS	.36	.32	.45	.95	2.36	3.13	1.63	.77	1.22	1.63	1.45	.63	.91	1.18	.77	.63	18.39					18.39			
	MS	.18	.05	.09	.00	.45	1.27	.86	.41	.68	.50	1.04	.32	.27	.14	.05	.27	6.57						6.57		
	ES	.00	.00	.00	.00	.23	.63	.18	.00	.00	.41	.86	.09	.00	.00	.05	.00	2.45							2.45	50.18
	EU	.18	.00	.23	.05	.09	.18	.72	.23	.54	.77	1.40	1.00	.14	.63	1.00	.63	7.79	7.79							
	MU	.00	.00	.05	.00	.00	.00	.09	.18	.05	.05	.23	.27	.09	.14	.14	.00	1.27		1.27						
8	SU	.00	.00	.00	.00	.00	.00	.14	.05	.00	.23	.14	.14	.00	.05	.14	.00	.86			.86					
-	N	.27	.32	.32	.14	.09	.00	.18	.45	.27	.50	.45	.63	.14	.23	.23	.18	4.39				4.39				
1	SS	.09	.00	.05	.09	.00	.09	.68	.50	.95	.54	.59	.32	.36	.14	.00	.05	4.44					4.44			
2	MS	.00	.00	.00	.00	.00	.00	.05	.09	.05	.05	.00	.05	.00	.00	.00	.00	.27						.27		
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	19.02
	EU	.00	.00	.00	.00	.00	.00	.00	.05	.18	.05	.50	.18	.09	.32	.00	.00	1.36	1.36							
1	MU	.00	.00	.00	.00	.00	.00	.00	.00	.09	.05	.00	.14	.00	.00	.00	.00	.27		.27						
3	SU	.00	.00	.00	.00	.00	.00	.05	.05	.00	.09	.05	.05	.05	.05	.00	.00	.36			.36					
-	N	.00	.00	.00	.00	.00	.00	.00	.18	.45	.18	.09	.09	.14	.05	.00	.00	1.18				1.18				
1	SS	.00	.00	.00	.00	.00	.00	.05	.50	.14	.27	.05	.00	.00	.00	.00	.00	1.00					1.00			
8	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	4.17

CECo DRESDEN STATION
35 ft. WIND SPEED and WIND DIRECTION

July-September 1995
150-35 ft. DIFFERENTIAL TEMPERATURE

SPEED CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.14	.14							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.05	.00	.00	.00	.00	.00	.14		.14						
9 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
- N	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.05	.05	.00	.00	.00	.23				.23				
2 SS	.00	.00	.00	.00	.00	.00	.00	.05	.18	.00	.00	.00	.00	.00	.00	.00	.23					.23			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.72
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
T SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
2 SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
TOT	4.21	2.49	2.90	3.58	5.89	9.28	9.24	6.93	8.38	9.01	11.19	7.43	4.39	5.16	4.17	5.75	100.00	19.97	3.35	3.49	18.21	32.61	15.53	6.84	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.63	.50	.63	.54	.50	1.45	2.31	1.00	1.36	1.40	2.85	2.49	.50	1.27	1.27	1.27	19.97	Extremely Unstable
.14	.09	.14	.05	.00	.05	.32	.32	.36	.09	.36	.59	.32	.27	.27	.00	3.35	Moderately Unstable
.00	.05	.00	.05	.05	.14	.45	.23	.14	.45	.59	.45	.41	.18	.18	.14	3.49	Slightly Unstable
1.72	.68	.72	.91	.86	.91	1.04	1.36	1.40	1.36	1.72	1.22	.82	1.13	.82	1.54	18.21	Neutral
1.09	.68	.95	1.59	2.94	4.08	3.12	2.26	3.17	3.08	2.76	1.45	1.54	1.68	1.09	1.13	32.61	Slightly Stable
.54	.41	.41	.32	1.13	1.86	1.54	1.36	1.68	1.63	1.49	1.00	.68	.41	.27	.82	15.53	Moderately Stable
.09	.09	.05	.14	.41	.82	.45	.41	.27	1.00	1.40	.23	.14	.23	.27	.86	6.84	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
1.45	1.22	.91	1.36	1.59	2.04	1.95	1.95	2.22	2.36	1.90	1.31	.86	1.31	1.09	2.40	25.91	1.0 - 3.5 mph
2.22	.95	1.36	1.95	4.12	6.97	5.34	2.67	2.94	3.85	5.75	3.22	2.49	2.26	1.59	2.49	50.18	3.6 - 7.5 mph
.54	.32	.63	.27	.18	.27	1.86	1.49	1.86	2.13	2.81	2.40	.72	1.18	1.49	.86	19.02	7.6 - 12.5 mph
.00	.00	.00	.00	.00	.00	.09	.77	.86	.63	.68	.45	.27	.41	.00	.00	4.17	12.6 - 18.5 mph
.00	.00	.00	.00	.00	.00	.00	.05	.50	.05	.05	.05	.05	.00	.00	.00	.72	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	> 24.5 mph

CECo DRESDEN STATION
300 ft. WIND SPEED and WIND DIRECTION

July-September 1995
300-35 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2208
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A	N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L	SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	.05							
	MU	.00	.00	.00	.00	.05	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.18		.18						
1	SU	.00	.00	.00	.05	.00	.05	.00	.05	.00	.05	.00	.00	.00	.00	.00	.23			.23					
-	N	.09	.00	.14	.09	.14	.14	.14	.09	.05	.14	.05	.05	.14	.09	.14	1.49				1.49				
3	SS	.05	.00	.05	.05	.14	.09	.09	.00	.09	.09	.09	.09	.09	.05	.09	1.04					1.04			
	MS	.09	.05	.00	.00	.00	.05	.05	.00	.09	.18	.09	.14	.00	.09	.00	.86						.86		
	ES	.00	.05	.09	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23							.23	
																									4.08
	EU	.00	.00	.00	.14	.18	.50	.32	.23	.05	.18	.05	.05	.05	.00	.00	.00	1.72	1.72						
	MU	.05	.05	.05	.14	.18	.14	.45	.09	.18	.23	.18	.36	.18	.18	.09	.00	2.54		2.54					
4	SU	.18	.00	.00	.00	.05	.14	.36	.41	.23	.09	.41	.41	.36	.18	.14	.14	3.08			3.08				
-	N	.09	.14	.14	.32	.36	.45	.45	.27	.59	.77	.86	.41	.41	.27	.45	.32	6.30				6.30			
7	SS	.14	.00	.41	.54	.50	.32	.36	.72	.50	.59	.68	.59	.27	.23	.14	.18	6.16					6.16		
	MS	.05	.00	.00	.05	.05	.05	.09	.14	.54	.36	.23	.41	.45	.14	.09	.00	2.63						2.63	
	ES	.05	.00	.00	.00	.00	.09	.00	.00	.09	.05	.05	.09	.09	.05	.05	.09	.68							.68
																									23.10
	EU	.23	.36	.14	.05	.05	.27	.95	.27	.14	.18	.45	.36	.00	.00	.00	.00	3.44	3.44						
	MU	.18	.09	.09	.05	.09	.09	.41	.09	.18	.32	.41	.36	.05	.05	.09	.00	2.54		2.54					
8	SU	.00	.05	.09	.09	.05	.05	.18	.18	.18	.09	.59	.41	.23	.14	.05	.18	2.54			2.54				
-	N	1.04	.23	.32	.77	.95	.45	.82	.45	.41	.59	1.13	.91	.45	.50	.14	.36	9.51				9.51			
1	SS	.23	.05	.59	.82	.82	1.27	1.04	1.04	.68	.82	1.27	.91	.63	.41	.50	.18	11.23					11.23		
2	MS	.05	.09	.27	.05	.14	.27	.23	.32	.45	.50	.54	1.00	.77	.18	.32	.05	5.21						5.21	
	ES	.09	.09	.05	.00	.00	.00	.05	.14	.14	.18	.09	.09	.27	.00	.00	.00	1.18							1.18
																									35.64
	EU	.09	.05	.05	.00	.00	.00	.00	.00	.14	.23	.05	.27	.00	.09	.41	.45	1.81	1.81						
1	MU	.05	.00	.14	.00	.00	.00	.00	.00	.23	.18	.32	.41	.09	.23	.36	.41	2.40		2.40					
3	SU	.05	.00	.09	.00	.00	.00	.05	.18	.09	.09	.23	.09	.05	.14	.23	.05	1.31			1.31				
-	N	1.27	.23	.18	.18	.18	.09	.27	.54	.68	.18	.72	.50	.23	.45	.41	.59	6.70				6.70			
1	SS	.54	.00	.18	.00	.45	1.27	.68	1.31	1.04	1.31	1.13	.77	.63	.59	.36	.50	10.78					10.78		
8	MS	.32	.09	.27	.00	.09	.05	.41	.23	.59	.68	.72	.82	.18	.18	.05	.09	4.76						4.76	
	ES	.14	.05	.00	.00	.00	.05	.05	.09	.00	.18	.14	.18	.00	.00	.27	.05	1.18							1.18
																									28.94

CECo DRESDEN STATION
300 ft. WIND SPEED and WIND DIRECTION

July-September 1995
300-35 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.09	.23	.00	.00	.36	.36							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.14	.09	.00	.23	.05	.00	.59		.59						
9 SU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.09	.05	.00	.00	.00	.00	.18			.18					
- N	.27	.23	.09	.00	.00	.00	.05	.18	.45	.23	.23	.14	.09	.09	.09	.05	2.17				2.17				
2 SS	.09	.00	.00	.00	.00	.00	.09	.23	.50	.77	.36	.09	.27	.14	.05	.00	2.58					2.58			
4 MS	.00	.18	.00	.00	.00	.05	.05	.00	.18	.09	.27	.00	.00	.00	.00	.00	.82						.82		
ES	.00	.00	.00	.00	.00	.09	.09	.00	.05	.00	.05	.05	.00	.00	.00	.00	.32							.32	
																									7.02
EU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.09	.09							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.09		.09						
T SU	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.05	.14	.00	.00	.00	.00	.27			.27					
N	.00	.00	.00	.00	.00	.00	.00	.09	.32	.00	.00	.00	.18	.00	.00	.00	.59				.59				
2 SS	.00	.00	.00	.00	.00	.00	.00	.14	.00	.05	.00	.00	.00	.00	.00	.00	.18					.18			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									1.22
TOT	5.39	2.04	3.40	3.35	4.44	6.02	7.70	7.47	9.24	9.47	11.68	10.24	6.25	4.89	4.53	3.89	100.00	7.47	8.33	7.61	26.77	31.97	14.27	3.58	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.32	.41	.18	.18	.23	.77	1.27	.50	.41	.63	.54	.72	.14	.32	.41	.45	7.47	Extremely Unstable
.27	.14	.27	.18	.32	.23	.86	.18	.77	.77	1.09	1.22	.32	.68	.59	.45	8.33	Moderately Unstable
.23	.05	.18	.14	.09	.23	.59	.82	.63	.32	1.36	1.09	.63	.45	.41	.41	7.61	Slightly Unstable
2.76	.82	.86	1.36	1.63	1.13	1.72	1.63	2.49	1.90	2.99	1.99	1.49	1.40	1.22	1.36	26.77	Neutral
1.04	.05	1.22	1.40	1.90	2.94	2.26	3.44	2.81	3.62	3.53	2.45	1.90	1.40	1.13	.86	31.97	Slightly Stable
.50	.41	.54	.09	.27	.45	.82	.68	1.86	1.81	1.86	2.36	1.40	.59	.45	.18	14.27	Moderately Stable
.27	.18	.14	.00	.00	.27	.18	.23	.27	.41	.32	.41	.36	.05	.32	.18	3.58	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
.23	.09	.27	.18	.32	.36	.27	.14	.36	.45	.23	.27	.23	.23	.23	.23	4.08	1.0 - 3.5 mph
.54	.18	.59	1.18	1.31	1.68	2.04	1.86	2.17	2.26	2.45	2.31	1.81	1.04	.95	.72	23.10	3.6 - 7.5 mph
1.81	.95	1.54	1.81	2.08	2.40	3.67	2.49	2.17	2.67	4.48	4.03	2.40	1.27	1.09	.77	35.64	7.6 - 12.5 mph
2.45	.41	.91	.18	.72	1.45	1.45	2.36	2.76	2.85	3.31	3.03	1.18	1.68	2.08	2.13	28.94	12.6 - 18.5 mph
.36	.41	.09	.00	.00	.14	.27	.41	1.27	1.13	1.13	.45	.45	.68	.18	.05	7.02	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.00	.00	.23	.50	.09	.09	.14	.18	.00	.00	.00	1.22	> 24.5 mph

CECo DRESDEN STATION
35 ft. WIND SPEED and WIND DIRECTION

October-December 1995
150-35 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2208
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05	.05							
MU	.00	.05	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.09		.09						
1 SU	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.14			.14					
- N	.18	.32	.23	.09	.00	.05	.00	.05	.14	.05	.00	.05	.00	.09	.23	.09	1.54				1.54				
3 SS	.18	.45	.05	.14	.23	.23	.14	.18	.14	.18	.18	.05	.23	.41	.36	.36	3.49					3.49			
MS	.14	.05	.14	.14	.14	.14	.18	.23	.36	.36	.23	.14	.41	.54	.09	.32	3.58						3.58		
ES	.05	.00	.05	.05	.05	.23	.27	.09	.32	.36	.23	.05	.18	.14	.36	.05	2.45							2.45	
																									11.32
EU	.05	.00	.09	.00	.18	.18	.09	.09	.18	.23	.09	.00	.05	.09	.05	.32	1.68	1.68							
MU	.00	.00	.05	.09	.09	.00	.00	.05	.00	.00	.00	.09	.09	.18	.00	.18	.82		.82						
4 SU	.09	.00	.09	.09	.00	.00	.05	.05	.14	.00	.00	.00	.18	.18	.09	.00	.95			.95					
- N	.45	.54	.63	1.49	.23	.23	.18	.45	.41	.41	.09	.23	1.22	1.27	1.13	.68	9.65				9.65				
7 SS	.14	.32	.41	1.27	1.27	1.31	.45	.91	.86	.41	.41	.23	1.95	2.08	2.31	1.22	15.53					15.53			
MS	.05	.00	.27	.00	.14	.86	.45	.09	.45	.59	.45	.18	.14	.72	.77	.68	5.84						5.84		
ES	.00	.00	.00	.00	.00	.54	.14	.05	.09	.23	.45	.05	.00	.00	.00	.05	1.59							1.59	
																									36.05
EU	.27	.00	.00	.00	.00	.14	.00	.00	.09	.14	.05	.09	.23	.82	.36	.18	2.36	2.36							
MU	.05	.05	.00	.00	.00	.09	.05	.00	.09	.00	.00	.05	.00	.23	.18	.05	.82		.82						
8 SU	.05	.00	.09	.00	.05	.00	.05	.05	.09	.05	.05	.05	.14	.41	.27	.14	1.45			1.45					
- N	.09	.23	.32	.32	.82	.77	.27	.63	.95	.41	.41	.63	3.08	2.49	1.54	.91	13.86				13.86				
1 SS	.18	.09	.05	.09	.27	.23	.50	1.36	1.72	.86	.86	.41	2.04	2.08	1.00	.63	12.36					12.36			
2 MS	.00	.00	.00	.00	.00	.09	.00	.09	.27	.00	.05	.05	.00	.00	.00	.00	.54						.54		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.09							.09	
																									31.48
EU	.00	.14	.00	.00	.00	.00	.00	.14	.00	.36	.14	.14	.14	.23	.50	.00	1.77	1.77							
1 MU	.00	.00	.00	.00	.00	.00	.00	.09	.00	.05	.09	.05	.09	.05	.00	.00	.41		.41						
3 SU	.00	.05	.05	.00	.00	.00	.05	.05	.09	.05	.00	.00	.23	.09	.14	.00	.77			.77					
- N	.27	.09	.77	.00	.09	.27	.18	.82	1.13	.41	.27	.54	2.58	1.18	.54	.23	9.37				9.37				
1 SS	.00	.00	.00	.00	.00	.00	.14	.50	.91	.77	.36	.36	.72	.68	.14	.00	4.57					4.57			
8 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									16.89

CECo DRESDEN STATION
35 ft. WIND SPEED and WIND DIRECTION

October-December 1995
150-35 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.14	.14	.00	.14	.00	.05	.00	.00	.45	.45							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.00	.09		.09						
9 SU	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.09	.05	.00	.00	.23			.23					
- N	.00	.00	.09	.00	.00	.00	.09	.23	.23	.14	.00	.23	.50	.18	.14	.14	1.95				1.95				
2 SS	.00	.00	.00	.00	.00	.00	.00	.18	.45	.05	.36	.00	.00	.00	.09	.05	1.18					1.18			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									3.89
EU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	.05							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05		.05						
T SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
N	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.14				.14				
2 SS	.00	.00	.00	.00	.00	.00	.00	.05	.09	.00	.00	.00	.00	.00	.00	.00	.14					.14			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.36
TOT	2.22	2.36	3.40	3.80	3.53	5.34	3.26	6.48	9.60	6.25	4.85	3.80	14.27	14.27	10.28	6.30	100.00	6.34	2.26	3.53	36.50	37.27	9.96	4.12	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.32	.14	.09	.00	.18	.32	.09	.23	.45	.86	.27	.41	.41	1.18	.91	.50	6.34	Extremely Unstable
.05	.09	.05	.09	.09	.09	.05	.18	.18	.05	.09	.18	.18	.50	.18	.23	2.26	Moderately Unstable
.14	.05	.27	.14	.05	.00	.14	.18	.32	.14	.05	.05	.63	.72	.50	.18	3.53	Slightly Unstable
1.00	1.18	2.04	1.90	1.13	1.31	.72	2.17	2.99	1.40	.77	1.68	7.38	5.21	3.58	2.04	36.50	Neutral
.50	.86	.50	1.49	1.77	1.77	1.22	3.17	4.17	2.26	2.17	1.04	4.94	5.25	3.89	2.26	37.27	Slightly Stable
.18	.05	.41	.14	.27	1.09	.63	.41	1.09	.95	.72	.36	.54	1.27	.86	1.00	9.96	Moderately Stable
.05	.00	.05	.05	.05	.77	.41	.14	.41	.59	.77	.09	.18	.14	.36	.09	4.12	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
.54	.86	.50	.45	.41	.63	.59	.59	.95	.95	.63	.32	.82	1.18	1.04	.86	11.32	1.0 - 3.5 mph
.77	.86	1.54	2.94	1.90	3.13	1.36	1.68	2.13	1.86	1.49	.77	3.62	4.53	4.35	3.13	36.05	3.6 - 7.5 mph
.63	.36	.45	.41	1.13	1.31	.86	2.13	3.22	1.45	1.49	1.27	5.48	6.02	3.35	1.90	31.48	7.6 - 12.5 mph
.27	.27	.82	.00	.09	.27	.36	1.59	2.13	1.63	.86	1.09	3.76	2.22	1.31	.23	16.89	12.6 - 18.5 mph
.00	.00	.09	.00	.00	.00	.09	.45	.86	.36	.36	.36	.59	.32	.23	.18	3.89	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.00	.00	.05	.32	.00	.00	.00	.00	.00	.00	.00	.36	> 24.5 mph

CECo DRESDEN STATION
300 ft. WIND SPEED and WIND DIRECTION

October-December 1995
300-35 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2184
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.05		.05						
1 SU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05			.05					
- N	.05	.14	.00	.14	.05	.00	.05	.05	.14	.09	.05	.05	.00	.05	.14	.00	.96				.96				
3 SS	.05	.05	.09	.00	.05	.09	.00	.05	.00	.05	.05	.05	.05	.05	.00	.05	.64					.64			
MS	.05	.00	.05	.00	.00	.00	.00	.00	.05	.00	.00	.05	.00	.00	.05	.09	.32						.32		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									2.01
EU	.00	.00	.00	.00	.09	.09	.00	.05	.09	.00	.00	.00	.00	.00	.00	.05	.37	.37							
MU	.00	.00	.00	.00	.00	.05	.00	.05	.00	.14	.05	.00	.00	.00	.00	.00	.27		.27						
4 SU	.00	.00	.00	.00	.09	.00	.00	.09	.05	.05	.00	.14	.05	.14	.00	.05	.64			.64					
- N	.27	.27	.69	.78	.09	.00	.18	.14	.09	.27	.14	.18	.18	.37	.18	.32	4.17				4.17				
7 SS	.05	.00	.14	.23	.05	.09	.18	.09	.14	.09	.18	.18	.18	.23	.23	.23	2.29					2.29			
MS	.18	.14	.00	.09	.09	.05	.00	.00	.14	.14	.00	.27	.14	.05	.00	.09	1.37						1.37		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.23	.05	.00	.09	.14	.05	.60							.60	
																									9.71
EU	.00	.00	.00	.00	.09	.05	.05	.00	.05	.00	.00	.00	.00	.05	.00	.00	.27	.27							
MU	.05	.00	.00	.05	.05	.05	.00	.00	.09	.05	.00	.00	.00	.09	.00	.14	.55		.55						
8 SU	.14	.05	.00	.00	.00	.14	.00	.09	.09	.14	.00	.00	.14	.05	.00	.18	1.01			1.01					
- N	.64	.32	.55	2.11	.18	.37	.18	.55	.60	.32	.18	.23	1.14	2.15	1.42	.96	11.90				11.90				
1 SS	.41	.18	.05	.27	.23	.27	.60	.46	.50	.37	.41	.27	.60	.23	.73	.64	6.23					6.23			
2 MS	.64	.23	.00	.00	.14	.18	.27	.14	.14	.09	.09	.50	.32	.05	.14	.32	3.25						3.25		
ES	.05	.00	.00	.00	.00	.00	.05	.05	.00	.14	.05	.05	.14	.00	.09	.00	.60							.60	
																									23.81
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
1 MU	.05	.00	.00	.00	.00	.00	.00	.05	.05	.23	.05	.00	.09	.32	.18	.00	1.01		1.01						
3 SU	.09	.00	.00	.00	.00	.00	.00	.00	.05	.05	.09	.09	.09	.60	.23	.09	1.37			1.37					
- N	.32	.05	.46	.60	1.14	.82	.37	.78	1.28	.46	.50	.60	3.21	3.11	2.06	.92	16.67				16.67				
1 SS	.60	.00	.00	.14	.73	.37	.27	.46	1.56	1.05	.69	.32	1.33	1.92	1.60	1.24	12.27					12.27			
8 MS	.41	.14	.05	.00	.05	.23	.09	.32	.18	.18	.96	.69	.23	.18	.41	.32	4.44						4.44		
ES	.00	.05	.00	.00	.00	.00	.05	.05	.05	.00	.09	.00	.27	.05	.05	.00	.64							.64	
																									36.40

CECo DRESDEN STATION
300 ft. WIND SPEED and WIND DIRECTION

October-December 1995
300-35 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.09	.05	.00	.18	.18							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.05	.00	.05	.00	.09	.00	.27		.27						
9 SU	.00	.00	.00	.00	.00	.00	.00	.14	.14	.09	.09	.05	.05	.27	.27	.00	1.10			1.10					
- N	.09	.32	.09	.00	.09	.32	.23	.50	1.33	.73	.41	.55	2.79	1.65	.87	.09	10.07				10.07				
2 SS	.05	.09	.00	.00	.05	.05	.18	.60	1.42	.55	.46	.23	.82	1.10	.05	.27	5.91					5.91			
4 MS	.00	.00	.00	.00	.00	.00	.14	.09	.23	.05	.00	.05	.00	.05	.09	.00	.69						.69		
ES	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.09	.00	.00	.00	.00	.00	.14							.14	
																									18.36
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.05	.00	.00	.00	.18	.18							
G MU	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	.00	.09	.00	.00	.00	.00	.27		.27						
T SU	.00	.05	.00	.00	.00	.00	.00	.00	.18	.09	.05	.00	.05	.09	.00	.00	.50			.50					
N	.27	.23	.87	.00	.00	.00	.14	.50	.82	.41	.37	.46	1.60	1.01	.05	.00	6.73				6.73				
2 SS	.00	.00	.00	.00	.00	.00	.00	.09	.50	.37	.14	.05	.09	.14	.37	.14	1.88					1.88			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05						.05		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09							.09	
																									9.71
TOT	4.44	2.38	3.02	4.40	3.25	3.21	3.02	5.40	9.98	6.59	5.49	5.31	13.64	14.15	9.48	6.23	100.00	1.01	2.43	4.67	50.50	29.21	10.12	2.06	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.00	.00	.00	.00	.18	.14	.05	.05	.14	.05	.00	.14	.05	.14	.05	.05	1.01	Extremely Unstable
.09	.09	.00	.05	.05	.09	.00	.09	.14	.60	.18	.09	.14	.41	.27	.14	2.43	Moderately Unstable
.23	.09	.00	.00	.09	.14	.00	.32	.55	.41	.23	.27	.37	1.14	.50	.32	4.67	Slightly Unstable
1.65	1.33	2.66	3.62	1.56	1.51	1.14	2.52	4.26	2.29	1.65	2.06	8.93	8.33	4.72	2.29	50.50	Neutral
1.14	.32	.27	.64	1.10	.87	1.24	1.74	4.12	2.47	1.92	1.10	3.07	3.66	2.98	2.56	29.21	Slightly Stable
1.28	.50	.09	.09	.27	.46	.50	.55	.73	.50	1.05	1.56	.69	.32	.69	.82	10.12	Moderately Stable
.05	.05	.00	.00	.00	.00	.09	.14	.05	.27	.46	.09	.41	.14	.27	.05	2.06	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
.14	.18	.14	.14	.09	.09	.05	.09	.23	.14	.14	.14	.05	.09	.18	.14	2.01	1.0 - 3.5 mph
.50	.41	.82	1.10	.41	.27	.37	.41	.50	.73	.60	.82	.55	.87	.55	.78	9.71	3.6 - 7.5 mph
1.92	.78	.60	2.43	.69	1.05	1.14	1.28	1.47	1.10	.73	1.05	2.34	2.61	2.38	2.24	23.81	7.6 - 12.5 mph
1.47	.23	.50	.73	1.92	1.42	.78	1.65	3.16	1.97	2.38	1.69	5.22	6.18	4.53	2.56	36.40	12.6 - 18.5 mph
.14	.41	.09	.00	.14	.37	.55	1.37	3.11	1.56	1.10	.87	3.71	3.16	1.42	.37	18.36	18.6 - 24.5 mph
.27	.37	.87	.00	.00	.00	.14	.60	1.51	1.10	.55	.73	1.79	1.24	.41	.14	9.71	> 24.5 mph