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10 CFR 50.36a (a)(2)

August 7, 2003

RHLTR: #03-0055

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Dresden Nuclear Power Station Units 1, 2, and 3
Facility Operating Licenses DPR-2, DPR-19, and DPR-25
NRC Dockets 50-10, 50-237 and 50-249

Subject: Revised Dresden Nuclear Power Station 2002 Radioactive Effluent Release Report

Reference: Letter from R.J. Hovey (Exelon Generation Company, LLC) to U. S. NRC, "Dresden Nuclear Power Station 2002 Radioactive Effluent Release Report and Offsite Dose Calculation Manual Changes," dated April 30, 2003

The referenced letter submitted, in part, the Radioactive Effluent Release Report for January through December 2002 for Dresden Nuclear Power Station (DNPS) in accordance with Sections 6.9.A.4 and 5.6.3, "Radioactive Effluent Release Report," of the DNPS Unit 1 and Units 2 and 3 Technical Specifications, respectively and 10 CFR 50.36a(a)(2), "Technical specifications on effluents from nuclear power reactors."

As a result of a self-assessment of the effluent monitoring program, an error was discovered in the report for the total activity reported for unmonitored liquid releases. The value for total activity was incorrectly summed. This error does not affect the calculated dose to the public and is administrative in nature. The report was completely reviewed and no other errors were found. This submittal corrects that value and resubmits the report.

Should you have any questions concerning this letter, please contact Mr. Jeff Hansen, Regulatory Assurance Manager, at (815) 416-2800.

IE48

Respectfully,

R. J. Hovey
Site Vice President
Dresden Nuclear Power Station

Attachments: DNPS 2002 Radioactive Effluent Release Report (Revision 01)

cc: Regional Administrator - NRC Region III
NRC Senior Resident - Dresden Nuclear Power Station

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBERS: 50-010/50-237/50-249

1. Regulatory Limits

a. For Noble Gases

Dose Rate

1) Less than 500 mrem/year to the whole body.
2) Less than 3000 mrem/year to the skin.

Dose Gamma Radiation

1) Less than or equal to 5 mrad/quarter.
2) Less than or equal to 10 mrad/year.

Beta Radiation

1) Less than or equal to 10 mrad/quarter.
2) Less than or equal to 20 mrad/year.

b.,c. For Iodine-131, for Iodine-133, and for all radionuclides in particulate form with half-lives greater than 8 days.

Dose Rate

1) Less than 1500 mrem/year.

Dose

1) Less than or equal to 7.5 mrem/quarter to any organ.
2) Less than or equal to 15 mrem/year to any organ.

d. For Liquid

1) Less than or equal to 1.5 mrem to the whole body during any calendar quarter.
2) Less than or equal to 5 mrem to any organ during any calendar quarter.
3) Less than or equal to 3 mrem to the whole body during any calendar year.
4) Less than or equal to 10 mrem to any organ during any calendar year.

2. Maximum Permissible Concentration

a., b., c. For fission and activation gases, iodines and particulates with half-lives greater than 8 days, allowable dose rates are calculated by solving equations 10.1 and 10.2 from the Offsite Dose Calculation Manual.

d. For liquid effluents, allowable release limits are calculated by solving equations 10.3 and 10.4 from the Offsite Dose Calculation Manual.

3. 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} = 6.39E-01 MeV/dis
E_{BETA} = 4.37E-01 MeV/dis

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBERS: 50-010/50-237/50-249

4. Measurement and Approximations of Total Radioactivity

a. Fission and Activation Gases:
b. Iodines:
c. Particulates:

The Units 2/3 and Unit 1 Chimneys, Units 2/3 Reactor Building Vent and Unit 1 Chemical Cleaning Building effluents are continually sampled for iodines and particulates. These samples are pulled weekly and analyzed by gamma isotopic. The particulate filters are composited and sent to a vendor for gross alpha, Sr-89/90 and Fe-55 analysis. Noble gas grab samples are pulled and analyzed by gamma isotopic weekly. Tritium samples are pulled and analyzed monthly.

For the Units 2/3 Chimney and Units 2/3 Reactor Building Vent effluents, the average flow at the release points is used to calculate the Curies released. For the Unit 1 Chimney and Unit 1 Chemical Cleaning Building effluents, the design basis flows are used to calculate Curies released.

d. Liquid Effluents:

The river discharge tanks are analyzed by isotopic prior to discharge. A representative portion of this sample is saved and composited with other discharges that occur during the sampling period. The composite is sent to a vendor for analyses of gross alpha, H-3, Fe-55, Sr-89/90 content.

The tank volumes and activities are used to calculate the diluted activity released at the discharge point from batch discharges.

e. Less than the lower limit of detection (<LLD)

Samples are analyzed such that the ODCM LLD requirements are met. When a nuclide is not detected then <LLD is reported.

f. Equipment out-of-service

None.

g. Estimation of Data/Corrections:

(1) On May 13, 2002, an isotopic analysis of a weekly iodine sample pulled from the Unit 1 Chemical Cleaning Building release point identified several radionuclides that are not typical for this sample location. The condition was identified on June 12, 2002 (Reference Dresden Station Condition Report #112461). Reanalysis of the sample at that time confirmed normal results without the additional radionuclides , however, due to the time period between the sampling and the re-count, the required lower-limit-of-detection (LLD) for Iodine-133 could not be demonstrated for the re-count . Iodine-133 is not normally found in the Unit 1 Chemical Cleaning Building effluents, and as such is estimated as zero for the May 6, 2002 to May 13, 2002 sampling period.

(2) On August 7, 2002, the weekly iodine and particulates samples pulled from the Unit 1 Chimney release point were not analyzed for isotopic activity. The condition was identified on August 19, 2002 (Reference Dresden Station Condition Report #119830). The samples were subsequently analyzed, however, due to the time period between the sampling and the analysis, the required lower-limit-of-detection (LLD) for Iodine-133 could not be demonstrated. Iodine-133 is not normally found in the Unit 1 Chimney effluents, and as such is estimated as zero for the July 31, 2002 to August 7, 2002 sampling period.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBERS: 50-010/50-237/50-249

SUMMATION OF ALL GASEOUS RELEASES

	Units	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Est. Total Error, %
A. FISSION & ACTIVATION GASES						
1. Total Release	Ci	5.19E+01	4.64E+01	5.21E+01	2.67E+01	7.31%
2. Average Release Rate for the Period	µCi/sec	6.67E+00	5.91E+00	6.56E+00	3.36E+00	
3. Percent of Technical Specification Limit	%	*	*	*	*	
B. IODINES						
1. Total Iodine-131	Ci	7.69E-04	9.33E-04	9.93E-04	1.13E-03	21.6%
2. Average Release Rate of I-131 for the Period	µCi/sec	9.89E-05	1.19E-04	1.25E-04	1.43E-04	
3. Percent of Technical Specification Limit	%	*	*	*	*	
4. Total Iodine-131, Iodine-133 and Iodine-135	Ci	2.48E-03	6.29E-03	3.76E-03	9.61E-03	
C. PARTICULATES						
1. Particulates with half-lives > 8 days	Ci	1.10E-02	2.13E-03	2.40E-03	2.16E-03	34.1%
2. Average Release Rate for the Period	µCi/sec	1.41E-03	2.70E-04	3.01E-04	2.72E-04	
3. Percent of Technical Specification Limit	%	*	*	*	*	
4. Gross Alpha Radioactivity	Ci	1.40E-05	1.14E-05	1.04E-05	1.37E-05	
D. TRITIUM						
1. Total Release	Ci	1.51E+01	4.82E+01	2.68E+01	1.90E+01	7.89%
2. Average Release Rate for the Period	µCi/sec	1.95E+00	6.13E+00	3.38E+00	2.39E+00	
3. Percent of Technical Specification Limit	%	*	*	*	*	

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

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBERS: 50-010/50-237/50-249

TABLE OF LOWER LIMITS OF DETECTABILITY
FOR AIRBORNE EFFLUENTS

1.	FISSION/ACTIVATION GASES	μCi/ml
	Kr-87	1.00E-06
	Kr-88	1.00E-06
	Xe-133	1.00E-06
	Xe-133m	1.00E-06
	Xe-135	1.00E-06
	Xe-138	1.00E-06
2.	IODINES	μCi/ml
	I-131	1.00E-12
	I-133	1.00E-10
3.	PARTICULATES	μCi/ml
	Sr-89	1.00E-11
	Sr-90	1.00E-11
	Mn-54	1.00E-11
	Fe-59	1.00E-11
	Co-58	1.00E-11
	Co-60	1.00E-11
	Zn-65	1.00E-11
	Mo-99	1.00E-11
	Cs-134	1.00E-11
	Cs-137	1.00E-11
	Ce-141	1.00E-11
	Ce-144	1.00E-11
4.	OTHER	μCi/ml
	H-3	1.00E-06
	Gross Alpha	1.00E-11

The above values are the ODCM-required LLDs. Except for the conditions noted in Section 4.g. of this report, the actual analyses always met the required LLDs.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

D1 MAIN CHIMNEY | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-010

_____ GROUND LEVEL RELEASES
_____ SEMI-ELEVATED RELEASES
__XX__ ELEVATED RELEASES

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci	*	*	*	*	*
Kr-85	Ci	4.81E+00	*	*	*	4.81E+00
Kr-85m	Ci	*	*	*	*	*
Kr-87	Ci	*	*	*	*	*
Kr-88	Ci	*	*	*	*	*
Xe-133	Ci	*	*	*	*	*
Xe-133m	Ci	*	*	*	*	*
Xe-135	Ci	*	*	*	*	*
Xe-135m	Ci	*	*	*	*	*
Xe-138	Ci	*	*	*	*	*
TOTAL	Ci	4.81E+00	None	None	None	4.81E+00
IODINES						
I-131	Ci	*	*	*	*	*
I-133	Ci	*	*	(1)	*	*
I-135	Ci	*	*	*	*	*
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci	*	*	*	*	*
Sr-89	Ci	*	*	*	*	*
Sr-90	Ci	*	*	*	*	*
Be-7	Ci	*	*	*	*	*
Cr-51	Ci	*	*	*	*	*
Mn-54	Ci	5.11E-07	5.55E-07	9.49E-07	1.07E-06	3.09E-06
Co-57	Ci	*	*	*	*	*
Co-58	Ci	*	*	*	*	*
Fe-59	Ci	*	*	*	*	*
Co-60	Ci	2.74E-07	7.88E-07	8.75E-07	1.13E-06	3.07E-06
Zn-65	Ci	*	*	*	*	*
Sr-85	Ci	*	*	*	*	*
Zr-95	Ci	*	*	*	*	*
Mo-99	Ci	*	*	*	*	*
Ru-103	Ci	*	*	*	*	*
Cd-109	Ci	*	6.01E-06	*	*	6.01E-06
Ag-110m	Ci	*	*	*	*	*
Sn-113	Ci	*	*	*	*	*
Sb-124	Ci	*	*	*	*	*
Sb-125	Ci	*	*	*	*	*
Cs-134	Ci	*	*	*	*	*
Cs-136	Ci	*	*	*	*	*
Cs-137	Ci	*	*	*	*	*
Ba-133	Ci	4.76E-07	*	*	*	4.76E-07
Ba-140	Ci	*	*	*	*	*
Ce-141	Ci	*	*	*	*	*
Ce-144	Ci	*	*	*	*	*
TOTAL	Ci	1.26E-06	7.35E-06	1.82E-06	2.20E-06	1.26E-05

* The activity of this nuclide is less than the LLD. (1) LLD for I-133 not met (see Section 4.g.). Result estimated as zero.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

D1 MAIN CHIMNEY | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-010

_____ GROUND LEVEL RELEASES
_____ SEMI-ELEVATED RELEASES
XX ELEVATED RELEASES

BATCH MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci					
Kr-85	Ci					
Kr-85m	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-133m	Ci					
Xe-135	Ci					
Xe-135m	Ci					
Xe-138	Ci					
TOTAL	Ci	None	None	None	None	None
IODINES						
I-131	Ci					
I-133	Ci					
I-135	Ci					
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
Be-7	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-57	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
Sr-85	Ci					
Zr-95	Ci					
Mo-99	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sn-113	Ci					
Sb-124	Ci					
Sb-125	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Ba-133	Ci					
Ba-140	Ci					
Ce-141	Ci					
Ce-144	Ci					
TOTAL	Ci	None	None	None	None	None

* The activity of this nuclide is less than the LLD.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

D2/3 REACTOR BUILDING VENT | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-237/50-249

_____ GROUND LEVEL RELEASES
XX SEMI-ELEVATED RELEASES
_____ ELEVATED RELEASES

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci	*	*	*	*	*
Kr-85	Ci	*	1.05E-04	*	*	1.05E-04
Kr-85m	Ci	*	1.03E-04	*	*	1.03E-04
Kr-87	Ci	*	*	*	*	*
Kr-88	Ci	*	*	*	*	*
Xe-133m	Ci	*	8.04E-05	*	*	8.04E-05
Xe-133	Ci	8.96E-01	*	4.82E-06	1.14E-05	8.96E-01
Xe-135	Ci	2.29E-05	*	5.31E-06	1.19E-04	1.47E-04
Xe-135m	Ci	*	*	*	5.75E-05	5.75E-05
Xe-138	Ci	*	*	*	*	*
TOTAL	Ci	8.96E-01	2.88E-04	1.01E-05	1.88E-04	8.97E-01
IODINES						
I-131	Ci	4.25E-05	6.28E-05	1.23E-04	1.43E-04	3.72E-04
I-133	Ci	1.37E-04	1.92E-04	5.20E-04	3.72E-04	1.22E-03
I-135	Ci	*	*	*	6.11E-04	6.11E-04
TOTAL	Ci	1.80E-04	2.55E-04	6.43E-04	1.13E-03	2.20E-03
PARTICULATES						
Fe-55	Ci	4.34E-03	4.95E-05	2.33E-05	8.53E-05	4.50E-03
Sr-89	Ci	5.91E-06	1.54E-06	6.62E-07	*	8.12E-06
Sr-90	Ci	2.47E-07	*	*	*	2.47E-07
Be-7	Ci	*	*	*	*	*
Cr-51	Ci	3.43E-04	*	*	*	3.43E-04
Mn-54	Ci	2.39E-03	1.94E-04	1.19E-04	2.27E-04	2.93E-03
Co-57	Ci	*	*	*	*	*
Co-58	Ci	3.93E-04	1.83E-06	*	2.79E-05	4.23E-04
Fe-59	Ci	6.25E-04	*	*	*	6.25E-04
Co-60	Ci	1.23E-03	1.47E-04	8.25E-05	2.11E-04	1.67E-03
Zn-65	Ci	2.67E-04	1.51E-04	*	4.97E-05	4.67E-04
Sr-85	Ci	*	9.58E-07	*	*	9.58E-07
Sr-90	Ci	*	*	*	*	*
Nb-95	Ci	*	*	*	*	*
Mo-99	Ci	2.15E-05	*	*	*	2.15E-05
Ru-103	Ci	*	*	*	*	*
Cd-109	Ci	*	1.98E-05	7.84E-06	*	2.77E-05
Ag-110m	Ci	*	3.32E-05	*	3.49E-06	3.66E-05
Sn-113	Ci	*	*	*	*	*
Sn-117m	Ci	3.56E-06	*	*	*	3.56E-06
Sb-124	Ci	8.09E-05	*	*	*	8.09E-05
Cs-137	Ci	*	1.48E-05	*	3.96E-06	1.87E-05
Ba-133	Ci	*	*	4.31E-07	*	4.31E-07
Ba-140	Ci	6.94E-06	*	*	*	6.94E-06
Ce-141	Ci	*	*	*	*	*
Ce-144	Ci	*	*	*	*	*
Hg-203	Ci	*	*	*	*	*
TOTAL	Ci	9.72E-03	6.13E-04	2.33E-04	6.08E-04	1.12E-02

* The activity of this nuclide is less than the LLD.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

D2/3 REACTOR BUILDING VENT | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-237/50-249

_____ GROUND LEVEL RELEASES
XX SEMI-ELEVATED RELEASES
_____ ELEVATED RELEASES

BATCH MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci					
Kr-85	Ci					
Kr-85m	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-133m	Ci					
Xe-135	Ci					
Xe-135m	Ci					
Xe-138	Ci					
TOTAL	Ci	None	None	None	None	None
IODINES						
I-131	Ci					
I-133	Ci					
I-135	Ci					
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
Be-7	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-57	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
Sr-85	Ci					
Zr-95	Ci					
Mo-99	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sn-113	Ci					
Sb-124	Ci					
Sb-125	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Ba-133	Ci					
Ba-140	Ci					
Ce-141	Ci					
Ce-144	Ci					
TOTAL	Ci	None	None	None	None	None

* The activity of this nuclide is less than the LLD.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

D2/3 MAIN CHIMNEY | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-237/50-249

_____ GROUND LEVEL RELEASES
_____ SEMI-ELEVATED RELEASES
XX ELEVATED RELEASES

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci	4.25E-01	1.30E-01	3.23E-01	1.16E-01	9.93E-01
Kr-85	Ci	*	*	*	*	*
Kr-85m	Ci	4.68E-01	1.81E+00	1.58E+00	9.09E-01	4.77E+00
Kr-87	Ci	1.83E+00	9.61E-01	1.18E+00	9.70E-01	4.94E+00
Kr-88	Ci	8.12E-01	9.45E-01	1.71E+00	1.62E+00	5.08E+00
Xe-131m	Ci	*	*	*	*	*
Xe-133	Ci	8.68E-01	7.48E-01	2.86E+00	9.65E-01	5.44E+00
Xe-133m	Ci	4.53E-01	*	*	4.00E-02	4.93E-01
Xe-135	Ci	2.06E+01	1.30E+01	1.69E+01	9.13E+00	5.96E+01
Xe-135m	Ci	8.28E+00	4.11E+00	4.76E+00	2.68E+00	1.98E+01
Xe-138	Ci	1.24E+01	2.48E+01	2.28E+01	1.03E+01	7.02E+01
TOTAL	Ci	4.62E+01	4.64E+01	5.21E+01	2.67E+01	1.71E+02
IODINES						
I-131	Ci	7.27E-04	8.70E-04	9.99E-04	9.91E-04	3.59E-03
I-133	Ci	1.34E-03	1.97E-03	1.97E-03	2.04E-03	7.33E-03
I-135	Ci	2.29E-04	3.19E-03	1.49E-04	5.45E-03	9.01E-03
TOTAL	Ci	2.30E-03	6.03E-03	3.12E-03	8.48E-03	1.99E-02
PARTICULATES						
Fe-55	Ci	4.43E-05	*	2.77E-05	6.43E-05	1.36E-04
Be-7	Ci	*	*	*	*	*
Cr-51	Ci	*	*	*	*	*
Mn-54	Ci	2.13E-04	2.07E-04	2.44E-04	2.45E-04	9.09E-04
Co-57	Ci	*	*	*	*	*
Co-58	Ci	2.00E-06	*	1.10E-05	*	1.30E-05
Fe-59	Ci	*	*	*	*	*
Co-60	Ci	1.93E-04	1.06E-04	2.96E-04	3.47E-04	9.42E-04
Zn-65	Ci	8.15E-06	*	6.28E-06	1.82E-05	3.26E-05
Sr-85	Ci	*	*	*	*	*
Y-88	Ci	*	*	*	*	*
Sr-89	Ci	1.95E-04	3.37E-04	2.34E-04	2.20E-04	9.86E-04
Sr-90	Ci	1.92E-06	*	*	*	1.92E-06
Zr-95	Ci	*	*	*	*	*
Mo-99	Ci	*	*	*	*	*
Ru-103	Ci	*	*	*	*	*
Cd-109	Ci	*	*	*	*	*
Ag-110m	Ci	2.91E-05	*	3.41E-05	*	6.33E-05
Sn-113	Ci	3.85E-06	*	*	*	3.85E-06
Sn-117m	Ci	*	*	*	*	*
Cs-136	Ci	*	*	5.41E-06	*	5.41E-06
Cs-137	Ci	*	*	6.50E-06	2.71E-06	9.21E-06
Ba-140	Ci	4.95E-04	8.55E-04	1.25E-03	5.65E-04	3.17E-03
Hg-203	Ci	*	*	*	*	*
Ce-141	Ci	*	*	8.02E-06	*	8.02E-06
Ce-144	Ci	*	*	3.14E-05	*	3.14E-05
TOTAL	Ci	1.19E-03	1.50E-03	2.16E-03	1.46E-03	6.31E-03

* The activity of this nuclide is less than the LLD.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
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D2/3 MAIN CHIMNEY | GASEOUS EFFLUENTS | DOCKET NUMBERS: 50-237/50-249

_____ GROUND LEVEL RELEASES
_____ SEMI-ELEVATED RELEASES
XX ELEVATED RELEASES

BATCH MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci					
Kr-85	Ci					
Kr-85m	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-133m	Ci					
Xe-135	Ci					
Xe-135m	Ci					
Xe-138	Ci					
TOTAL	Ci	None	None	None	None	None
IODINES						
I-131	Ci					
I-133	Ci					
I-135	Ci					
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
Be-7	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-57	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
Sr-85	Ci					
Zr-95	Ci					
Mo-99	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sn-113	Ci					
Sb-124	Ci					
Sb-125	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Ba-133	Ci					
Ba-140	Ci					
Ce-141	Ci					
Ce-144	Ci					
TOTAL	Ci	None	None	None	None	None

* The activity of this nuclide is less than the LLD.

DRESDEN NUCLEAR POWER STATION
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CHEMICAL CLEANING BUILDING GASEOUS EFFLUENTS DOCKET NUMBERS: 50-010/50-237/50-249

_____	GROUND LEVEL RELEASES
XX	SEMI-ELEVATED RELEASES
_____	ELEVATED RELEASES

CONTINUOUS MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci	*	*	*	*	*
Kr-85	Ci	*	*	*	*	*
Kr-85m	Ci	*	*	*	*	*
Kr-87	Ci	*	*	*	*	*
Kr-88	Ci	*	*	*	*	*
Xe-133	Ci	*	*	*	*	*
Xe-133m	Ci	*	*	*	*	*
Xe-135	Ci	*	*	*	*	*
Xe-135m	Ci	*	*	*	*	*
Xe-138	Ci	*	*	*	*	*
TOTAL	Ci	None	None	None	None	None
IODINES						
I-131	Ci	*	*	*	*	*
I-133	Ci	*	(2)	*	*	*
I-135	Ci	*	*	*	*	*
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci	*	*	*	*	*
Sr-89	Ci	*	*	*	*	*
Sr-90	Ci	*	*	*	*	*
Be-7	Ci	*	*	*	*	*
Cr-51	Ci	*	*	*	*	*
Mn-54	Ci	2.00E-06	3.44E-07	9.23E-07	1.62E-06	4.89E-06
Co-57	Ci	*	*	*	*	*
Co-58	Ci	*	*	*	*	*
Fe-59	Ci	*	*	*	*	*
Co-60	Ci	2.78E-06	9.99E-07	7.73E-07	5.83E-07	5.14E-06
Zn-65	Ci	*	*	*	*	*
Sr-85	Ci	*	*	*	*	*
Zr-95	Ci	*	*	*	*	*
Mo-99	Ci	*	*	*	*	*
Ru-103	Ci	*	*	*	*	*
Ag-110m	Ci	*	*	*	*	*
Sn-113	Ci	*	*	*	*	*
Sb-124	Ci	*	*	*	*	*
Sb-125	Ci	*	*	*	*	*
Cs-134	Ci	*	*	*	*	*
Cs-136	Ci	*	*	*	*	*
Cs-137	Ci	*	*	*	*	*
Ba-133	Ci	*	*	*	*	*
Ba-140	Ci	*	*	*	*	*
Ce-141	Ci	*	*	*	*	*
Ce-144	Ci	*	*	*	*	*
TOTAL	Ci	4.78E-06	1.34E-06	1.70E-06	2.21E-06	1.00E-05

* The activity of this nuclide is less than the LLD. (2) LLD for I-133 not met (see Section 4.g.). Result estimated as zero.

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CHEMICAL CLEANING BUILDING GASEOUS EFFLUENTS DOCKET NUMBERS: 50-010/50-237/50-249

_____	GROUND LEVEL RELEASES
XX	SEMI-ELEVATED RELEASES
_____	ELEVATED RELEASES

BATCH MODE

NUCLIDES RELEASED	UNIT	1st QTR	2nd QTR	3rd QTR	4th QTR	TOTAL
FISSION GASES						
Ar-41	Ci					
Kr-85	Ci					
Kr-85m	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-133m	Ci					
Xe-135	Ci					
Xe-135m	Ci					
Xe-138	Ci					
TOTAL	Ci	None	None	None	None	None
IODINES						
I-131	Ci					
I-133	Ci					
I-135	Ci					
TOTAL	Ci	None	None	None	None	None
PARTICULATES						
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
Be-7	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-57	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
Sr-85	Ci					
Zr-95	Ci					
Mo-99	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sn-113	Ci					
Sb-124	Ci					
Sb-125	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Ba-133	Ci					
Ba-140	Ci					
Ce-141	Ci					
Ce-144	Ci					
TOTAL	Ci	None	None	None	None	None

* The activity of this nuclide is less than the LLD.

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DOCKET NUMBERS: 50-010/50-237/50-249

TABLE OF LOWER LIMITS OF DETECTABILITY
FOR LIQUID EFFLUENTS

1.	FISSION/ACTIVATION GASES	μCi/ml
	Kr-87	1.00E-05
	Kr-88	1.00E-05
	Xe-133	1.00E-05
	Xe-133m	1.00E-05
	Xe-135	1.00E-05
	Xe-138	1.00E-05
2.	IODINES	μCi/ml
	I-131	1.00E-06
3.	PARTICULATES	μCi/ml
	Fe-55	1.00E-06
	Sr-89	5.00E-08
	Sr-90	5.00E-08
	Mn-54	5.00E-07
	Fe-59	5.00E-07
	Co-58	5.00E-07
	Co-60	5.00E-07
	Zn-65	5.00E-07
	Mo-99	5.00E-07
	Cs-134	5.00E-07
	Cs-137	5.00E-07
	Ce-141	5.00E-07
	Ce-144	5.00E-06 *
4.	OTHER	μCi/ml
	H-3	1.00E-05
	Gross Alpha	1.00E-07

The above values are the ODCM-required LLDs. Actual analyses always met the required LLDs.

** The ODCM-required LLD for Ce-144 was revised from 5.00E-07 μCi/ml to 5.00E-06 μCi/ml in December of 2002. Analyses performed prior to December 2002 were subject to the more restritive requirement.*

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DOCKET NUMBERS: 50-010/50-237/50-249

SUMMATION OF ALL LIQUID RELEASES

	Units	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Est. Total Error, %
A. FISSION & ACTIVATION PRODUCTS						
1. Total Release (not including H-3, gases, alpha)	Ci	4.22E-04	2.04E-03	2.17E-02	3.06E-03	10.6%
2. Average Diluted Conc. During Period	µCi/ml	3.77E-09	3.56E-08	2.22E-08	1.41E-08	
3. Percent of Technical Specification Limit	%	*	*	*	*	
B. TRITIUM						
1. Total Release	Ci	1.05E+01	5.76E+00	7.40E+01	1.13E+01	11.4%
2. Average Diluted Conc. During Release	µCi/ml	9.37E-05	1.00E-04	7.55E-05	5.24E-05	
3. Percent of Technical Specification Limit	%	*	*	*	*	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	5.58%
2. Average Diluted Conc. During Period	µCi/ml	<LLD	<LLD	<LLD	<LLD	
3. Percent of Technical Specification Limit	%	*	*	*	*	
D. GROSS ALPHA ACTIVITY						
1. Total Release	Ci	<LLD	1.20E-05	7.26E-05	4.01E-05	15.1%
E. VOLUME OF WASTE RELEASED (prior to dilution)	Liters	1.33E+06	8.35E+06	4.91E+06	1.63E+06	5.00%
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.11E+08	5.67E+07	9.76E+08	2.15E+08	5.00%

*The information is contained in the Radiological Impact on Man section of the report.

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RADWASTE LIQUID EFFLUENTS — DOCKET NUMBERS: 50-010/50-237/50-249

1. Number of Batch Releases: 23
2. Total Time for Batch Releases: 8.79E+03 minutes
3. Maximum Time Period for a Batch Release: 8.87E+02 minutes
4. Average Time Period for a Batch Release: 3.82E+02 minutes
5. Minimum Time Period for a Batch Release: 3.32E+02 minutes
6. Average Stream Flow During Periods of Release of Effluent into a Flowing Stream: 1.51E+05 lpm

BATCH MODE

	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Fe-55	Ci	9.26E-05	*	1.09E-02	*	1.10E-02
Sr-89	Ci	*	*	*	*	*
Sr-90	Ci	*	*	*	*	*
I-131	Ci	*	*	*	*	*
I-132	Ci	*	*	*	*	*
I-133	Ci	*	*	*	*	*
I-134	Ci	*	*	*	*	*
I-135	Ci	*	*	*	*	*
Cr-51	Ci	*	*	9.31E-05	9.75E-05	1.91E-04
Mn-54	Ci	9.89E-05	3.62E-05	2.45E-03	3.56E-04	2.94E-03
Co-58	Ci	*	*	2.71E-05	3.24E-05	5.95E-05
Fe-59	Ci	*	*	1.56E-04	5.42E-05	2.10E-04
Co-60	Ci	1.54E-04	4.29E-05	5.49E-03	6.80E-04	6.37E-03
Zn-65	Ci	*	*	1.72E-04	7.93E-04	9.66E-04
As-76	Ci	*	*	*	*	*
Zr-95	Ci	*	*	*	*	*
Sr-91	Ci	*	*	*	*	*
Mo-99	Ci	*	*	8.65E-05	*	8.65E-05
Tc-99m	Ci	*	*	*	*	*
Ru-103	Ci	*	*	*	*	*
Ag-110m	Ci	7.72E-05	1.27E-05	5.01E-04	2.08E-04	7.99E-04
Sb-124	Ci	*	*	*	*	*
Cs-134	Ci	*	*	*	*	*
Cs-136	Ci	*	*	1.49E-05	*	1.49E-05
Cs-137	Ci	*	1.81E-05	1.81E-03	9.38E-05	1.93E-03
Cs-138	Ci	*	*	*	*	*
Ba-140	Ci	*	*	*	*	*
La-140	Ci	*	*	*	*	*
Ce-141	Ci	*	*	1.55E-05	*	1.55E-05
(above) Total	Ci	4.22E-04	1.10E-04	2.17E-02	2.31E-03	2.46E-02
H-3	Ci	1.05E+01	5.76E+00	7.40E+01	1.13E+01	1.02E+02
Kr-87	Ci	*	*	*	*	*
Kr-88	Ci	*	*	*	*	*
Xe-133	Ci	*	*	*	*	*
Xe-133m	Ci	*	*	*	*	*
Xe-135	Ci	*	*	*	*	*
Xe-138	Ci	*	*	*	*	*

* The activity of this nuclide is less than the LLD.

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RADWASTE LIQUID EFFLUENTS

DOCKET NUMBERS: 50-010/50-237/50-249

CONTINUOUS MODE

	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
I-131	Ci					
I-132	Ci					
I-133	Ci					
I-134	Ci					
I-135	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
As-76	Ci					
Zr-95	Ci					
Sr-91	Ci					
Mo-99	Ci					
Tc-99m	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sb-124	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Cs-138	Ci					
Ba-140	Ci					
La-140	Ci					
Ce-141	Ci					
(above) Total	Ci	None	None	None	None	None
H-3	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-133m	Ci					
Xe-135	Ci					
Xe-138	Ci					

* The activity of this nuclide is less than the LLD.

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LPCI SYSTEM EFFLUENTS

DOCKET NUMBERS: 50-237/50-249

1. Number of Batch Releases: 143
2. Total Time for Batch Releases: 1.77E+02minutes
3. Maximum Time Period for a Batch Release: 1.24E+00 minutes
4. Average Time Period for a Batch Release: 1.24E+00 minutes
5. Minimum Time Period for a Batch Release: 1.24E+00 minutes
6. Average Stream Flow During Periods of Release of Effluent into a Flowing Stream: 9.46E+04 lpm

BATCH MODE

	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Fe-55	Ci	*	*	*	*	*
Sr-89	Ci	*	*	*	*	*
Sr-90	Ci	*	8.20E-06	9.12E-07	*	9.11E-06
I-131	Ci	*	*	*	*	*
I-132	Ci	*	*	*	*	*
I-133	Ci	*	*	*	*	*
I-134	Ci	*	*	*	*	*
I-135	Ci	*	*	*	*	*
Cr-51	Ci	*	*	*	*	*
Mn-54	Ci	*	1.44E-05	*	*	1.44E-05
Co-58	Ci	*	*	*	*	*
Fe-59	Ci	*	*	*	*	*
Co-60	Ci	*	1.67E-05	*	2.51E-06	1.92E-05
Zn-65	Ci	*	3.44E-06	*	*	3.44E-06
As-76	Ci	*	*	*	*	*
Zr-95	Ci	*	*	*	*	*
Sr-91	Ci	*	*	*	*	*
Mo-99	Ci	*	*	*	*	*
Tc-99m	Ci	*	*	*	*	*
Ru-103	Ci	*	*	*	*	*
Ag-110m	Ci	*	*	*	*	*
Sb-124	Ci	*	*	*	*	*
Cs-134	Ci	*	*	*	*	*
Cs-136	Ci	*	*	*	*	*
Cs-137	Ci	6.47E-06	5.32E-06	1.74E-05	8.49E-07	3.00E-05
Cs-138	Ci	*	*	*	*	*
Ba-140	Ci	*	*	*	*	*
La-140	Ci	*	*	*	*	*
Ce-141	Ci	*	*	*	*	*
Np-239	Ci	*	3.92E-06	*	*	3.92E-06
(above) Total	Ci	6.47E-06	4.81E-05	1.83E-05	3.36E-06	7.62E-05
H-3	Ci	*	*	*	*	*
Kr-87	Ci	*	*	*	*	*
Kr-88	Ci	*	*	*	*	*
Xe-133	Ci	*	*	*	*	*
Xe-135	Ci	*	*	*	*	*
Xe-138	Ci	*	*	*	*	*

* The activity of this nuclide is less than the LLD.

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LPCI SYSTEM EFFLUENTS

DOCKET NUMBERS: 50-237/50-249

CONTINUOUS MODE

	Unit	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Fe-55	Ci					
Sr-89	Ci					
Sr-90	Ci					
I-131	Ci					
I-132	Ci					
I-133	Ci					
I-134	Ci					
I-135	Ci					
Cr-51	Ci					
Mn-54	Ci					
Co-58	Ci					
Fe-59	Ci					
Co-60	Ci					
Zn-65	Ci					
As-76	Ci					
Zr-95	Ci					
Sr-91	Ci					
Mo-99	Ci					
Tc-99m	Ci					
Ru-103	Ci					
Ag-110m	Ci					
Sb-124	Ci					
Cs-134	Ci					
Cs-136	Ci					
Cs-137	Ci					
Cs-138	Ci					
Ba-140	Ci					
La-140	Ci					
Ce-141	Ci					
Np-239	Ci					
(above) Total	Ci	None	None	None	None	None
H-3	Ci					
Kr-87	Ci					
Kr-88	Ci					
Xe-133	Ci					
Xe-135	Ci					
Xe-138	Ci					

* The activity of this nuclide is less than the LLD.

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UNITS 1, 2 & 3 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

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

1. Type of Waste	Unit	12-month period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3	1.19E+02	± 25%
	Ci	1.62E+03	
b. Dry compressible waste, contaminated equipment, etc.	m^3	2.87E+03	± 25%
	Ci	4.40E+01	
c. Irradiated components, control rods, etc.	m^3	1.64E+00	± 25%
	Ci	1.75E+04	
d. Other (describe) - **Contaminated Soil**	m^3	2.47E+02	± 25%
Contaminated Oil	Ci	1.82E-01	

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

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

	Percent %	Curies
Fe-55	59.51%	9.64E+02
Co-60	23.47%	3.80E+02
Cs-137	7.27%	1.18E+02
Mn-54	4.99%	8.09E+01
Zn-65	1.92%	3.11E+01
Ni-63	1.12%	1.81E+01
C-14	1.35%	2.19E+01

b. Dry compressible waste, contaminated equipment, etc.

	Percent %	Curies
Fe-55	81.13%	3.57E+01
Co-60	5.87%	2.58E+00
Cs-137	4.53%	1.99E+00
Mn-54	4.68%	2.06E+00
Zn-65	1.20%	5.28E-01

c. Irradiated components, control rods, etc.

	Percent %	Curies
Fe-55	51.11%	8.97E+03
Co-60	33.02%	5.79E+03
Ta-182	9.86%	1.73E+03
Mn-54	2.66%	4.66E+02
Ni-63	2.38%	4.18E+02

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UNIT 1, 2 & 3 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS (Cont.)

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

d. Other - Contaminated Soil/Contaminated Oil

	Percent %	Curies
Fe-55	70.65%	1.29E-01
Co-60	13.60%	2.48E-02
Mn-54	3.55%	6.45E-03
Ni-59	3.44%	6.25E-03
Cs-137	2.25%	4.08E-03
Ni-63	1.34%	2.43E-03
Zn-65	1.19%	2.16E-03
Sr-90	1.07%	1.95E-03

3. Solid Waste Description

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
3	Motor Freight (exclusive use only)	CNS, Barnwell, SC
2	Motor Freight (exclusive use only)	AERC, Oak Ridge, TN
51	Motor Freight (exclusive use only)	GTS Duratek, Oak Ridge, TN
5	Motor Freight (exclusive use only)	GTS Duratek, Kingston, TN
18	Motor Freight (exclusive use only)	Envirocare, Clive UT
1	Motor Freight (exclusive use only)	Perma-Fix, Gainsville, FL
1	Motor Freight (exclusive use only)	E. Tennessee Material and Energy, Oak Ridge, TN
7	Motor Freight (exclusive use only)	Studsvik, Erwin, TN

B. IRRADIATED FUEL SHIPMENTS (Disposition)

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
None		

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DOCKET NUMBER: 50-010/50-237/50-249

UNMONITORED RELEASES*

A. LIQUID

1. Number of Releases: 4
2. Total Activity Releases: 3.87E-03 Ci

B. GASEOUS

1. Number of Releases: 5
2. Total Activity Releases: 4.27E-04 Ci

A.1 In June, 1994, elevated tritium levels were discovered in the on-site storm sewers. The highest storm drain concentration measured during 2002, 87 pCi/l , was used for all of 2002. The total activity released is based on an estimated typical discharge flow of 10 gallons per minute. An estimated 1.73E-03 Ci of H-3 may have been released into the environment. Various storm sewer locations on-site are periodically analyzed for Tritium.

A.2. From January 1, 2002 through April 30, 2002, a leak was present in the Units 2/3 Cribhouse from Heating Steam system piping. The Heating Steam system at Dresden has historically been contaminated with small amounts of radioactivity. Based upon bounding assumptions, it is estimated that a total of 2.53E-04 Ci was discharged to the environment.

A.3 Grab samples of the Service Water effluent are routinely collected and analyzed for radioactivity. Gamma spectroscopy analysis identified Mn-54 on one of the samples taken in 2002. A total of 1.63E-03 Ci is estimated to have been released during the period for which this sample was applicable.

A.4 Grab samples of the Wastewater Treatment System effluent are routinely collected and analyzed for radioactivity. Gamma spectroscopy analysis identified Co-60 and/or Mn-54 on several samples taken in 2002. A total of 2.52E-04 Ci is estimated to have been released via this pathway.

* These releases are included in the Effluents Summation of all Releases Tables and in the Radiological Impact on Man.

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DOCKET NUMBER: 50-010/50-237/50-249

UNMONITORED RELEASES* (Continued)

B.1 The Unit 1 Main Turbine Floor (MTF) is used as an area to work on contaminated equipment. The ventilation, which exhausts through the Unit 1 Main Chimney, is no longer operational and the floor is at ambient pressure with the outside environment. With radiological work activities being performed on the MTF, the potential exists for airborne activity to be released to the environment through various potential release points. The estimated release through these points is 3.6E-05 Ci per year of Cs-137.

B.2 The Chemistry Hotlab ventilation exhausts directly into the environment without any monitoring. The calculated release to the environment is 2.91E-04 Ci of noble gases and 8.64E-06 Ci of iodines/particulates.

B.3 The Unit 2/3 heating steam system has low-level contamination present. During operation of the system, some steam is vented directly into the environment. A total activity of 7.23E-06 Ci is estimated to have been released to the environment from this system during 2002.

B.4 Past radiological surveys have identified low-level contamination in the East Turbine Building Ventilation ductwork. This system vents directly to the environment, therefore, a postulated release is calculated. A total activity of 3.36E-05 Ci is estimated to have been released to the environment from this system during 2002.

B.5 A functional test of the Unit 3 Isolation Condenser was conducted on January 17, 2002. In the past, low-level contamination has been introduced into the shell side of the condenser/heat exchanger, which vents directly to the environment. As a result, actuation of this system prompts sampling and isotopic analysis of the shell side contents. For this event, a total activity of 5.15E-05 Ci is estimated to have been released to the environment.

* These releases are included in the Effluents Summation of all Releases Tables and in the Radiological Impact on Man.

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBER: 50-010

RADIOLOGICAL IMPACT ON MAN*

UNIT 1

1. Airborne Releases

	Maximum Doses from Airborne Releases					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Gamma Air (mrad)	5.0 mrad	2.98E-07 (e)	0.00E+00 (e)	0.00E+00 (e)	0.00E+00 (e)	10.0 mrad	2.98E-07 (e)
Beta Air (mrad)	10.0 mrad	4.51E-06 (e)	0.00E+00 (e)	0.00E+00 (e)	0.00E+00 (e)	20.0 mrad	4.51E-06 (e)
Total Body (mrem)	2.5 mrem	1.17E-06 (e)	0.00E+00 (e)	0.00E+00 (e)	0.00E+00 (e)	5.0 mrem	1.17E-06 (e)
Skin (mrem)	7.5 mrem	3.27E-06 (e)	0.00E+00 (e)	0.00E+00 (e)	0.00E+00 (e)	15.0 mrem	3.27E-05 (e)
Organ (mrem)	7.5 mrem	1.43E-05 (c,t)	6.57E-06 (c)	5.65E-06 (t)	7.87E-04 (i,c)	15.0 mrem	8.07E-04 (i,c)
Critical Organ		Lung	GI_LLI	GI_LLI	Liver (i) Bone (c)		Liver

2. Liquid Releases

	Maximum Doses from Aquatic Effluents					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Total Body (mrem)	1.5 mrem	None	None	None	None	3.0 mrem	None
Organ (mrem)	5.0 mrem	None	None	None	None	10.0 mrem	None
Critical Organ		None	None	None	None		None

* The doses reported include abnormal releases. These doses are the highest among the four analyzed receptors as described in parentheses [(i)=infant, (c)=child, (t)=teenager, (a)=adult, (e)=every receptor has the same value].

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBER: 50-237

RADIOLOGICAL IMPACT ON MAN*

UNIT 2

1. Airborne Releases

	Maximum Doses from Airborne Releases					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Gamma Air (mrad)	5.0 mrad	1.91E-04 (e)	2.61E-04 (e)	1.72E-04 (e)	1.51E-04 (e)	10.0 mrad	7.74E-04 (e)
Beta Air (mrad)	10.0 mrad	1.97E-05 (e)	1.74E-05 (e)	1.21E-05 (e)	1.02E-05 (e)	20.0 mrad	5.88E-05 (e)
Total Body (mrem)	2.5 mrem	1.44E-04 (e)	1.97E-04 (e)	1.41E-04 (e)	1.38E-04 (e)	5.0 mrem	5.84E-04 (e)
Skin (mrem)	7.5 mrem	1.62E-04 (e)	2.16E-04 (e)	1.43E-04 (e)	1.25E-04 (e)	15.0 mrem	6.46E-04 (e)
Organ (mrem)	7.5 mrem	4.37E-03 (c)	3.02E-03 (c)	5.24E-03 (c)	1.66E-03 (c)	15.0 mrem	1.38E-02 (c)
Critical Organ		Lung	Thyroid	Thyroid	Thyroid		Thyroid

2. Liquid Releases

	Maximum Doses from Aquatic Effluents					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Total Body (mrem)	1.5 mrem	3.29E-05 (c)	2.09E-05 (c)	4.79E-04 (a)	5.50E-05 (a)	3.0 mrem	5.79E-04 (a)
Organ (mrem)	5.0 mrem	3.32E-05 (c)	2.48E-05 (c)	6.78E-04 (c)	8.02E-05 (c)	10.0 mrem	8.16E-04 (c)
Critical Organ		GI_LLI	Liver	Liver	Liver		Liver

* The doses reported include abnormal releases. These doses are the highest among the four analyzed receptors as described in parentheses [(i)=infant, (c)=child, (t)=teenager, (a)=adult, (e)=every receptor has the same value].

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBER: 50-249

RADIOLOGICAL IMPACT ON MAN*

UNIT 3

1. Airborne Releases

	Maximum Doses from Airborne Releases					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Gamma Air (mrad)	5.0 mrad	4.67E-04 (e)	6.21E-04 (e)	7.42E-04 (e)	3.34E-04 (e)	10.0 mrad	2.16E-03 (e)
Beta Air (mrad)	10.0 mrad	4.73E-05 (e)	4.41E-05 (e)	5.44E-05 (e)	2.49E-05 (e)	20.0 mrad	1.70E-04 (e)
Total Body (mrem)	2.5 mrem	3.52E-04 (e)	4.69E-04 (e)	5.60E-04 (e)	2.52E-04 (e)	5.0 mrem	1.63E-03 (e)
Skin (mrem)	7.5 mrem	3.97E-04 (e)	5.17E-04 (e)	6.18E-04 (e)	2.78E-04 (e)	15.0 mrem	1.81E-03 (e)
Organ (mrem)	7.5 mrem	4.25E-03 (c)	2.18E-02 (c)	1.78E-02 (c)	7.38E-03 (c)	15.0 mrem	4.91E-02 (c)
Critical Organ		Lung	Thyroid	Thyroid	Thyroid		Thyroid

2. Liquid Releases

	Maximum Doses from Aquatic Effluents					Yearly Obj.	Annual Dose
	Quarterly Obj.	1st QTR	2nd QTR	3rd QTR	4th QTR		
Total Body (mrem)	1.5 mrem	3.30E-05 (c)	4.83E-05 (a)	4.73E-04 (a)	5.53E-05 (a)	3.0 mrem	6.02E-04 (a)
Organ (mrem)	5.0 mrem	3.32E-05 (c)	7.23E-05 (c)	6.70E-04 (c)	8.09E-05 (c)	10.0 mrem	8.56E-04 (c)
Critical Organ		GI_LLI	Liver	Liver	Liver		Liver

* The doses reported include abnormal releases. These doses are the highest among the four analyzed receptors as described in parentheses [(i)=infant, (c)=child, (t)=teenager, (a)=adult, (e)=every receptor has the same value].

DRESDEN NUCLEAR POWER STATION
UNITS 1, 2 AND 3 RADIOACTIVE EFFLUENT RELEASE REPORT
January Through December 2002

DOCKET NUMBER: 50-010/50-237/50-249

METEOROLOGICAL DATA

The remaining pages of this report contain the Dresden Station meteorological site quarterly joint-frequency wind rose tables for 2002.

Dresden Nuclear Station
35 ft. Wind Speed and Direction

January-March, 2002
150Ft-35Ft Delta-T (F)

Number of Observations = 2159
Values are Percent Occurrence

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.09		0.09						
1 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
- N	0.00	0.09	0.00	0.05	0.05	0.00	0.00	0.00	0.23	0.05	0.05	0.05	0.05	0.05	0.05	0.28	0.97				0.97				
3 SS	0.28	0.28	0.09	0.00	0.09	0.19	0.23	0.23	0.09	0.32	0.23	0.14	0.37	0.28	0.23	0.32	3.38					3.38			
MS	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.14	0.09	0.23	0.14	0.32	0.42	0.32	0.37	0.05	2.18						2.18		
ES	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.05	0.05	0.09	0.00	0.32							0.32	
																									6.95
EU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.23	0.09	0.05	0.65	0.65							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.00	0.05	0.00	0.28		0.28						
4 SU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.09	0.09	0.05	0.09	0.00	0.23	0.65			0.65					
- N	1.16	0.56	1.07	0.74	0.37	0.05	0.14	0.09	0.23	0.42	0.28	0.23	0.46	0.42	0.28	0.46	6.95				6.95				
7 SS	0.51	0.42	0.56	0.79	0.51	0.28	0.32	0.97	1.30	1.53	1.02	0.46	1.67	1.62	0.88	1.25	14.08					14.08			
MS	0.00	0.00	0.00	0.00	0.00	0.37	0.05	0.09	0.60	1.85	2.50	0.74	0.74	0.28	0.19	0.00	7.41						7.41		
ES	0.00	0.00	0.00	0.00	0.00	0.19	0.05	0.00	0.05	0.28	1.62	0.14	0.00	0.05	0.00	0.00	2.36							2.36	
																									32.38
EU	0.05	0.00	0.23	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.14	0.69	0.46	0.05	1.85	1.85							
MU	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.23	0.19	0.05	0.09	0.14	0.79		0.79						
8 SU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.23	0.05	0.19	0.09	0.09	0.74			0.74					
- N	0.32	0.46	0.69	0.28	0.97	0.32	0.19	0.51	0.93	0.60	0.79	0.83	1.34	1.11	1.39	1.39	12.14				12.14				
1 SS	0.05	0.23	0.97	0.60	0.46	0.37	0.97	1.95	1.99	1.85	2.55	1.02	1.57	1.71	0.46	1.95	18.71					18.71			
2 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.14	0.28	1.71	0.05	0.00	0.00	0.00	0.00	2.22						2.22		
ES	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.23							0.23	
																									36.68
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.28	0.74	0.51	0.14	0.09	2.04	2.04							
1 MU	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09	0.37	0.09	0.09	0.14	0.23	0.09	0.00	1.20		1.20						
3 SU	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.05	0.09	0.05	0.09	0.05	0.09	0.05	0.00	0.00	0.56			0.56					
- N	0.19	0.00	0.65	0.00	0.05	0.09	0.09	0.93	1.39	1.07	0.46	0.37	1.95	1.39	0.65	0.37	9.63				9.63				
1 SS	0.00	0.00	0.37	0.00	0.00	0.05	0.05	1.57	1.71	1.07	0.65	0.14	0.51	0.37	0.09	0.09	6.67					6.67			
8 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									20.10

Dresden Nuclear Station
35 ft. Wind Speed and Direction

January-March, 2002
150Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.05	0.28	0.28							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14		0.14						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19			0.19					
- N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.32	0.32	0.09	0.00	0.23	0.00	0.00	0.00	1.11				1.11				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.83	0.28	0.00	0.00	0.09	0.00	0.00	0.00	1.48					1.48			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									3.20
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.46				0.46				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.14	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.23					0.23			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.69
TOT	2.69	2.04	4.82	2.55	2.50	2.13	2.22	7.09	10.51	10.70	12.92	5.97	11.58	9.68	5.70	6.90	100.00	4.82	2.50	2.13	31.26	44.56	11.81	2.92	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-
0.09	0.00	0.23	0.05	0.00	0.00	0.05	0.00	0.00	0.14	0.32	0.60	0.97	1.44	0.69	0.23	4.82	Extremely Unstable
0.00	0.00	0.05	0.00	0.00	0.09	0.05	0.05	0.19	0.37	0.09	0.51	0.46	0.28	0.23	0.14	2.50	Moderately Unstable
0.09	0.00	0.09	0.00	0.00	0.00	0.00	0.09	0.23	0.05	0.23	0.37	0.19	0.32	0.09	0.37	2.13	Slightly Unstable
1.67	1.11	2.41	1.07	1.44	0.46	0.42	1.67	3.10	2.45	1.67	1.48	4.49	2.96	2.36	2.50	31.26	Neutral
0.83	0.93	1.99	1.39	1.07	0.88	1.57	5.05	6.07	5.05	4.45	1.76	4.26	3.98	1.67	3.61	44.56	Slightly Stable
0.00	0.00	0.00	0.05	0.00	0.42	0.09	0.23	0.83	2.36	4.35	1.11	1.16	0.60	0.56	0.05	11.81	Moderately Stable
0.00	0.00	0.05	0.00	0.00	0.28	0.05	0.00	0.09	0.28	1.81	0.14	0.05	0.09	0.09	0.00	2.92	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CALM
0.28	0.37	0.14	0.09	0.14	0.23	0.23	0.37	0.46	0.60	0.46	0.60	0.88	0.69	0.74	0.65	6.95	< 3.5 mph
1.76	0.97	1.62	1.53	0.88	0.88	0.56	1.20	2.18	4.08	5.51	1.90	3.15	2.69	1.48	1.99	32.38	3.6 - 7.5 mph
0.46	0.69	1.95	0.93	1.44	0.79	1.20	2.50	3.06	2.73	5.23	2.55	3.29	3.75	2.50	3.61	36.68	7.6 - 12.5 mph
0.19	0.00	1.11	0.00	0.05	0.23	0.14	2.55	3.29	2.69	1.44	0.93	3.43	2.55	0.97	0.56	20.10	12.6 - 18.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.42	1.39	0.60	0.28	0.00	0.32	0.00	0.00	0.09	3.20	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.14	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.69	> 24.5 mph

Dresden Nuclear Station
300 ft. Wind Speed and Direction

January-March, 2002
300Ft-35Ft Delta-T (F)

Number of Observations = 2137
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L	SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																										0.00
	EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.09		0.09						
1	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
-	N	0.14	0.00	0.05	0.09	0.05	0.00	0.05	0.00	0.00	0.05	0.05	0.09	0.00	0.00	0.05	0.00	0.61				0.61				
3	SS	0.05	0.05	0.05	0.00	0.05	0.19	0.00	0.09	0.05	0.05	0.00	0.09	0.00	0.00	0.19	0.00	0.84					0.84			
	MS	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.28						0.28		
	ES	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05							0.05	
																										1.87
	EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.05							
	MU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.05	0.19	0.00	0.00	0.42		0.42						
4	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.09	0.05	0.09	0.00	0.09	0.42			0.42					
-	N	0.19	0.33	0.23	0.51	0.23	0.00	0.05	0.09	0.23	0.28	0.23	0.23	0.14	0.19	0.23	0.33	3.51				3.51				
7	SS	0.19	0.05	0.14	0.09	0.14	0.09	0.14	0.09	0.14	0.05	0.09	0.09	0.23	0.14	0.19	0.05	1.92					1.92			
	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.14	0.14	0.00	0.00	0.00	0.37						0.37		
	ES	0.09	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.33							0.33	
																										7.02
	EU	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.09	0.00	0.56	0.56							
	MU	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.14	0.05	0.09	0.28	0.00	0.66		0.66						
8	SU	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.05	0.28	0.23	0.19	0.09	0.00	1.03			1.03					
-	N	1.17	0.75	1.31	1.26	0.51	0.28	0.14	0.14	0.33	0.33	0.61	0.75	0.70	0.37	0.23	0.37	9.27				9.27				
1	SS	0.42	0.28	0.19	0.14	0.19	0.23	0.19	0.19	0.47	0.75	0.94	0.94	0.94	0.37	0.47	0.47	7.16					7.16			
2	MS	0.09	0.09	0.05	0.05	0.00	0.00	0.09	0.00	0.00	0.05	0.14	0.51	0.19	0.23	0.42	0.23	2.15						2.15		
	ES	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.19							0.19	
																										21.01
	EU	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.09	0.09							
1	MU	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.05	0.19	0.09	0.05	0.00	0.51		0.51						
3	SU	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.19	0.14	0.14	0.14	0.00	0.89			0.89					
-	N	0.84	0.42	1.26	0.37	0.98	0.14	0.33	1.17	1.36	1.26	0.89	0.84	1.12	1.36	0.94	1.78	15.07				15.07				
1	SS	0.37	0.05	0.05	0.23	0.09	0.09	0.66	0.89	1.36	1.92	2.95	1.17	1.40	1.54	0.66	1.17	14.60					14.60			
8	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.05	0.28	1.50	1.92	0.51	0.33	0.09	0.05	4.96						4.96		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.05	0.14	0.05	0.00	0.00	0.00	0.33							0.33	
																										36.45

Dresden Nuclear Station
300 ft. Wind Speed and Direction

January-March, 2002
300Ft-35Ft Delta-T (F)

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.09	0.00	0.00	0.37	0.37							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.14	0.09	0.23	0.37	0.05	0.00	1.08		1.08						
9 SU	0.00	0.00	0.09	0.00	0.00	0.05	0.00	0.00	0.23	0.14	0.14	0.09	0.23	0.19	0.00	0.00	1.17			1.17					
- N	0.28	0.28	0.70	0.00	0.19	0.09	0.05	1.03	1.54	1.12	0.37	0.37	2.11	2.25	1.03	0.66	12.07				12.07				
2 SS	0.14	0.00	0.00	0.00	0.05	0.09	0.00	0.84	1.31	1.36	2.06	0.98	0.47	0.56	0.19	0.80	8.84					8.84			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.09	0.47	0.42	0.19	0.00	0.00	0.00	1.26						1.26		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.09							0.09	
																									24.89
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.05	0.14	0.14							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.14	0.00	0.00	0.00	0.09	0.05	0.09	0.05	0.47		0.47						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.14	0.00	0.05	0.05	0.05	0.05	0.47			0.47					
N	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.19	0.51	0.66	0.14	0.28	1.59	0.42	0.28	0.33	4.77				4.77				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.54	0.56	0.23	0.00	0.14	0.00	0.00	0.00	2.90					2.90			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									8.75
TOT	4.26	2.57	4.73	2.81	2.48	1.26	1.97	5.80	9.55	9.36	11.32	10.29	11.61	9.69	5.85	6.46	100.00	1.22	3.23	3.98	45.30	36.27	9.03	0.98	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-
0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.28	0.42	0.14	0.05	1.22	Extremely Unstable
0.05	0.05	0.00	0.05	0.00	0.00	0.05	0.09	0.23	0.19	0.14	0.42	0.61	0.84	0.47	0.05	3.23	Moderately Unstable
0.09	0.00	0.19	0.00	0.00	0.05	0.14	0.14	0.33	0.28	0.33	0.66	0.70	0.66	0.28	0.14	3.98	Slightly Unstable
2.71	1.78	3.84	2.25	1.97	0.51	0.61	2.62	3.98	3.70	2.29	2.57	5.66	4.59	2.76	3.46	45.30	Neutral
1.17	0.42	0.42	0.47	0.51	0.70	0.98	2.53	4.87	4.68	6.27	3.28	3.18	2.62	1.68	2.48	36.27	Slightly Stable
0.14	0.14	0.05	0.05	0.00	0.00	0.14	0.33	0.09	0.51	2.15	2.99	1.08	0.56	0.51	0.28	9.03	Moderately Stable
0.09	0.19	0.05	0.00	0.00	0.00	0.05	0.09	0.05	0.00	0.14	0.23	0.09	0.00	0.00	0.00	0.98	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C A L M
0.23	0.14	0.09	0.09	0.09	0.19	0.05	0.23	0.05	0.14	0.05	0.19	0.05	0.05	0.23	0.00	1.87	< 3.5 mph
0.51	0.47	0.42	0.61	0.37	0.09	0.23	0.23	0.37	0.37	0.42	0.75	0.66	0.61	0.42	0.47	7.02	3.6 - 7.5 mph
1.68	1.22	1.73	1.45	0.70	0.51	0.47	0.42	0.89	1.12	1.78	2.67	2.11	1.59	1.59	1.08	21.01	7.6 - 12.5 mph
1.31	0.47	1.40	0.66	1.08	0.23	0.98	2.39	2.76	3.70	5.38	4.31	3.42	3.46	1.92	2.99	36.45	12.6 - 18.5 mph
0.42	0.28	0.80	0.00	0.23	0.23	0.14	1.87	3.23	2.81	3.18	2.11	3.42	3.46	1.26	1.45	24.89	18.6 - 24.5 mph
0.09	0.00	0.28	0.00	0.00	0.00	0.09	0.66	2.25	1.22	0.51	0.28	1.97	0.51	0.42	0.47	8.75	> 24.5 mph

Dresden Nuclear Station
35 ft. Wind Speed and Direction

January-December, 2002
150Ft-35Ft Delta-T (F)

Number of Observations = 8730
Values are Percent Occurrence

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	BS	TOTAL
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
BS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.01	0.00	0.08	0.08							
MU	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.01	0.01	0.01	0.11		0.11						
1 SU	0.05	0.00	0.01	0.03	0.02	0.00	0.00	0.00	0.01	0.00	0.02	0.02	0.01	0.00	0.01	0.02	0.22			0.22					
- N	0.10	0.14	0.07	0.05	0.05	0.05	0.07	0.07	0.15	0.09	0.09	0.11	0.05	0.07	0.11	0.15	1.41				1.41				
3 SS	0.34	0.37	0.33	0.19	0.24	0.16	0.15	0.17	0.30	0.32	0.29	0.27	0.40	0.34	0.32	0.47	4.67					4.67			
MS	0.22	0.21	0.10	0.13	0.25	0.17	0.25	0.26	0.39	0.41	0.44	0.31	0.46	0.37	0.39	0.25	4.60						4.60		
BS	0.05	0.00	0.05	0.03	0.00	0.06	0.09	0.11	0.23	0.38	0.50	0.24	0.19	0.22	0.34	0.24	2.74							2.74	
																									13.84
EU	0.19	0.25	0.45	0.48	0.26	0.13	0.11	0.19	0.24	0.23	0.39	0.52	0.24	0.22	0.22	0.26	4.39	4.39							
MU	0.14	0.06	0.09	0.03	0.09	0.07	0.05	0.13	0.03	0.05	0.08	0.09	0.07	0.08	0.08	0.05	1.18		1.18						
4 SU	0.10	0.03	0.11	0.02	0.05	0.05	0.07	0.06	0.08	0.06	0.14	0.08	0.06	0.08	0.10	0.17	1.26			1.26					
- N	0.72	0.56	1.08	0.78	0.50	0.27	0.42	0.48	0.42	0.52	0.46	0.69	0.71	0.71	0.62	0.90	9.85				9.85				
7 SS	0.64	0.92	1.59	1.21	1.63	1.05	0.53	1.51	1.41	1.28	1.04	0.69	1.82	1.42	1.21	1.24	19.20					19.20			
MS	0.00	0.02	0.07	0.00	0.24	0.53	0.15	0.39	0.68	1.07	1.31	0.44	0.41	0.22	0.14	0.15	5.80						5.80		
BS	0.00	0.00	0.00	0.00	0.00	0.11	0.03	0.03	0.10	0.23	0.92	0.13	0.02	0.03	0.02	0.02	1.66							1.66	
																									43.33
EU	0.11	0.01	0.37	0.25	0.22	0.11	0.11	0.17	0.13	0.24	0.38	0.47	0.22	0.44	0.39	0.32	3.94	3.94							
MU	0.02	0.01	0.08	0.05	0.03	0.05	0.01	0.09	0.08	0.09	0.10	0.22	0.17	0.10	0.02	0.10	1.24		1.24						
8 SU	0.02	0.02	0.07	0.01	0.11	0.03	0.06	0.07	0.05	0.09	0.09	0.21	0.06	0.17	0.03	0.07	1.17			1.17					
- N	0.27	0.37	0.94	0.34	0.80	0.41	0.30	0.54	0.68	0.63	0.63	0.52	1.05	0.85	0.81	0.69	9.83				9.83				
1 SS	0.05	0.13	0.68	0.31	0.44	0.37	0.50	1.41	1.76	1.25	1.40	0.60	1.10	0.74	0.68	0.73	12.13					12.13			
2 MS	0.00	0.00	0.00	0.00	0.03	0.01	0.02	0.02	0.08	0.13	0.52	0.02	0.00	0.00	0.00	0.00	0.84						0.84		
BS	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.07							0.07	
																									29.21
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.10	0.36	0.21	0.13	0.23	0.17	0.06	0.02	1.29	1.29							
1 MU	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.06	0.08	0.19	0.05	0.05	0.06	0.08	0.02	0.00	0.61		0.61						
3 SU	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.03	0.13	0.10	0.08	0.03	0.03	0.01	0.01	0.00	0.47			0.47					
- N	0.06	0.00	0.21	0.00	0.24	0.29	0.05	0.30	0.69	0.62	0.37	0.25	0.89	0.50	0.26	0.21	4.93				4.93				
1 SS	0.00	0.00	0.09	0.00	0.01	0.10	0.08	0.68	1.18	0.79	0.37	0.11	0.42	0.16	0.11	0.09	4.20					4.20			
8 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
BS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									11.50

Dresden Nuclear Station
35 ft. Wind Speed and Direction

January-December, 2002
150Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.05	0.00	0.09	0.01	0.00	0.01	0.18	0.18							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.10		0.10						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.07			0.07					
- N	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.05	0.17	0.29	0.06	0.03	0.09	0.00	0.01	0.00	0.72				0.72				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.40	0.21	0.00	0.03	0.05	0.00	0.00	0.00	0.82					0.82			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									1.90
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.11				0.11				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.10					0.10			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.22
TOT	3.10	3.10	6.41	3.93	5.23	4.10	3.13	7.01	9.69	9.69	10.01	6.29	9.05	7.03	6.01	6.20	100.00	9.89	3.24	3.18	26.85	41.13	11.24	4.47	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-
0.31	0.26	0.82	0.73	0.48	0.25	0.26	0.38	0.47	0.84	1.03	1.11	0.78	0.86	0.68	0.62	9.89	Extremely Unstable
0.17	0.08	0.17	0.08	0.13	0.15	0.07	0.29	0.23	0.39	0.23	0.39	0.30	0.27	0.14	0.16	3.24	Moderately Unstable
0.17	0.06	0.22	0.07	0.18	0.08	0.14	0.16	0.31	0.25	0.33	0.34	0.17	0.26	0.16	0.27	3.18	Slightly Unstable
1.16	1.07	2.29	1.17	1.60	1.03	0.84	1.43	2.11	2.14	1.60	1.60	2.91	2.13	1.82	1.95	26.85	Neutral
1.03	1.41	2.69	1.72	2.31	1.68	1.27	3.93	5.10	3.86	3.09	1.71	3.80	2.67	2.33	2.53	41.13	Slightly Stable
0.22	0.23	0.17	0.13	0.53	0.71	0.42	0.68	1.15	1.60	2.26	0.77	0.87	0.58	0.53	0.40	11.24	Moderately Stable
0.05	0.00	0.05	0.03	0.00	0.19	0.13	0.15	0.33	0.61	1.47	0.37	0.22	0.25	0.37	0.26	4.47	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CALM
0.77	0.72	0.57	0.44	0.56	0.46	0.56	0.63	1.08	1.21	1.35	1.00	1.11	1.03	1.20	1.15	13.84	< 3.5 mph
1.80	1.84	3.39	2.53	2.77	2.21	1.36	2.79	2.97	3.42	4.33	2.62	3.33	2.76	2.39	2.79	43.33	3.6 - 7.5 mph
0.48	0.54	2.13	0.96	1.64	1.01	1.01	2.30	2.77	2.43	3.16	2.03	2.60	2.30	1.94	1.91	29.21	7.6 - 12.5 mph
0.06	0.00	0.32	0.00	0.25	0.41	0.16	1.07	2.18	2.06	1.07	0.57	1.64	0.93	0.47	0.32	11.50	12.6 - 18.5 mph
0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.18	0.65	0.55	0.10	0.07	0.24	0.01	0.01	0.02	1.90	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.01	0.00	0.00	0.13	0.00	0.00	0.00	0.22	> 24.5 mph

Dresden Nuclear Station
300 ft. Wind Speed and Direction

January-December, 2002
300Ft-35Ft Delta-T (F)

Number of Observations = 8647
Values are Percent Occurrence

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02		0.02						
1 SU	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.07			0.07					
- N	0.07	0.03	0.03	0.03	0.05	0.05	0.05	0.02	0.05	0.06	0.03	0.05	0.02	0.08	0.02	0.03	0.68				0.68				
3 SS	0.05	0.03	0.05	0.03	0.02	0.10	0.00	0.02	0.02	0.01	0.01	0.06	0.02	0.00	0.07	0.02	0.53					0.53			
MS	0.03	0.03	0.00	0.01	0.00	0.03	0.03	0.03	0.01	0.01	0.02	0.06	0.02	0.02	0.02	0.02	0.38						0.38		
ES	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.00	0.06	0.01	0.02	0.01	0.21							0.21	
																									1.91
EU	0.01	0.00	0.08	0.21	0.05	0.02	0.02	0.07	0.08	0.09	0.12	0.22	0.15	0.03	0.02	0.02	1.20	1.20							
MU	0.05	0.03	0.05	0.08	0.03	0.07	0.05	0.08	0.15	0.06	0.10	0.15	0.05	0.06	0.06	0.09	1.16		1.16						
4 SU	0.06	0.05	0.03	0.10	0.06	0.12	0.12	0.10	0.03	0.03	0.08	0.14	0.08	0.07	0.07	0.08	1.23			1.23					
- N	0.37	0.19	0.39	0.68	0.36	0.21	0.29	0.34	0.28	0.27	0.32	0.27	0.28	0.24	0.29	0.29	5.05				5.05				
7 SS	0.10	0.13	0.16	0.38	0.25	0.19	0.12	0.23	0.14	0.14	0.17	0.20	0.25	0.20	0.20	0.12	2.97					2.97			
MS	0.05	0.02	0.05	0.12	0.08	0.09	0.06	0.12	0.16	0.03	0.14	0.24	0.14	0.06	0.07	0.02	1.45						1.45		
ES	0.02	0.05	0.07	0.12	0.06	0.00	0.00	0.01	0.03	0.03	0.08	0.12	0.02	0.01	0.00	0.01	0.64							0.64	
																									13.69
EU	0.10	0.15	0.24	0.25	0.13	0.03	0.06	0.08	0.06	0.10	0.20	0.25	0.03	0.16	0.10	0.10	2.07	2.07							
MU	0.05	0.05	0.06	0.15	0.09	0.02	0.14	0.08	0.09	0.06	0.13	0.13	0.05	0.12	0.14	0.05	1.39		1.39						
8 SU	0.10	0.08	0.16	0.08	0.13	0.02	0.10	0.12	0.12	0.12	0.13	0.24	0.16	0.16	0.10	0.10	1.93			1.93					
- N	0.72	0.75	1.19	1.58	0.67	0.35	0.29	0.60	0.43	0.61	0.64	0.74	0.81	0.67	0.68	0.81	11.54				11.54				
1 SS	0.45	0.32	0.43	0.81	0.72	0.34	0.56	0.51	0.57	0.76	0.81	0.69	0.84	0.44	0.35	0.53	9.12					9.12			
2 MS	0.08	0.13	0.15	0.12	0.06	0.06	0.14	0.25	0.12	0.12	0.40	0.59	0.62	0.17	0.24	0.21	3.46						3.46		
ES	0.06	0.03	0.06	0.00	0.01	0.00	0.03	0.07	0.05	0.10	0.09	0.07	0.08	0.05	0.06	0.03	0.80							0.80	
																									30.31
EU	0.03	0.07	0.07	0.01	0.08	0.02	0.00	0.01	0.01	0.12	0.07	0.06	0.03	0.13	0.08	0.14	0.94	0.94							
1 MU	0.05	0.05	0.06	0.01	0.06	0.03	0.00	0.10	0.03	0.13	0.08	0.10	0.12	0.08	0.09	0.07	1.06		1.06						
3 SU	0.05	0.02	0.09	0.00	0.07	0.05	0.02	0.07	0.09	0.14	0.17	0.21	0.14	0.17	0.07	0.05	1.41			1.41					
- N	0.68	0.53	1.08	0.34	1.09	0.31	0.19	0.65	0.84	0.74	0.88	0.54	0.94	1.23	0.76	1.01	11.80				11.80				
1 SS	0.60	0.46	0.44	0.12	0.51	0.51	0.64	0.99	1.28	1.79	1.93	0.74	1.06	1.12	0.88	0.82	13.90					13.90			
8 MS	0.07	0.06	0.06	0.00	0.03	0.28	0.35	0.17	0.19	0.29	1.02	0.91	0.24	0.17	0.21	0.17	4.22						4.22		
ES	0.05	0.00	0.00	0.00	0.00	0.01	0.01	0.08	0.01	0.12	0.12	0.09	0.03	0.01	0.01	0.03	0.58							0.58	
																									33.91

Dresden Nuclear Station
300 ft. Wind Speed and Direction

January-December, 2002
300Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.07	0.02	0.05	0.03	0.06	0.03	0.02	0.35	0.35							
1 MU	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.14	0.10	0.03	0.06	0.12	0.02	0.00	0.60		0.60						
9 SU	0.00	0.01	0.02	0.00	0.01	0.01	0.00	0.00	0.13	0.19	0.05	0.08	0.09	0.07	0.01	0.01	0.68			0.68					
- N	0.20	0.23	0.36	0.00	0.30	0.34	0.05	0.38	0.79	0.77	0.32	0.27	1.13	0.94	0.46	0.37	6.90				6.90				
2 SS	0.09	0.02	0.05	0.00	0.02	0.15	0.05	0.56	1.06	1.16	1.10	0.43	0.46	0.25	0.23	0.34	5.97					5.97			
4 MS	0.07	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.08	0.05	0.15	0.13	0.08	0.02	0.00	0.00	0.62						0.62		
ES	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.01	0.05	0.07	0.01	0.01	0.00	0.00	0.00	0.21							0.21	
																									15.33
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.06	0.01	0.00	0.01	0.12	0.12							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.01	0.06	0.03	0.02	0.01	0.21		0.21						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.06	0.05	0.00	0.05	0.02	0.01	0.01	0.25			0.25					
N	0.07	0.00	0.07	0.00	0.03	0.08	0.00	0.12	0.30	0.43	0.12	0.13	0.58	0.23	0.22	0.14	2.51				2.51				
2 SS	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.13	0.73	0.49	0.14	0.06	0.08	0.01	0.03	0.02	1.75					1.75			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01						0.01		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									4.85
TOT	4.36	3.56	5.50	5.26	4.97	3.56	3.48	6.04	8.25	9.36	9.88	8.06	8.96	7.26	5.68	5.82	100.00	4.68	4.44	5.57	38.49	34.24	10.14	2.43	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-
0.15	0.22	0.39	0.47	0.25	0.08	0.09	0.16	0.22	0.39	0.40	0.58	0.31	0.39	0.24	0.31	4.68	Extremely Unstable
0.15	0.13	0.16	0.24	0.19	0.13	0.20	0.29	0.43	0.39	0.42	0.43	0.32	0.42	0.34	0.22	4.44	Moderately Unstable
0.22	0.17	0.31	0.20	0.27	0.20	0.25	0.30	0.40	0.53	0.49	0.67	0.52	0.51	0.27	0.27	5.57	Slightly Unstable
2.10	1.73	3.12	2.64	2.50	1.33	0.86	2.10	2.68	2.88	2.31	1.99	3.76	3.39	2.44	2.65	38.49	Neutral
1.30	0.97	1.12	1.34	1.53	1.31	1.39	2.44	3.80	4.35	4.16	2.17	2.73	2.02	1.76	1.85	34.24	Slightly Stable
0.30	0.24	0.25	0.24	0.17	0.49	0.60	0.58	0.57	0.50	1.73	1.93	1.11	0.45	0.54	0.43	10.14	Moderately Stable
0.14	0.09	0.14	0.13	0.07	0.03	0.09	0.16	0.14	0.31	0.36	0.29	0.21	0.08	0.09	0.09	2.43	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CALM
0.17	0.13	0.09	0.10	0.07	0.19	0.09	0.09	0.12	0.09	0.08	0.16	0.13	0.14	0.14	0.12	1.91	< 3.5 mph
0.66	0.46	0.83	1.69	0.89	0.69	0.65	0.95	0.88	0.66	1.02	1.33	0.97	0.67	0.71	0.64	13.69	3.6 - 7.5 mph
1.56	1.51	2.29	3.00	1.80	0.82	1.32	1.71	1.42	1.87	2.39	2.72	2.60	1.77	1.68	1.84	30.31	7.6 - 12.5 mph
1.53	1.19	1.79	0.47	1.84	1.21	1.20	2.08	2.46	3.32	4.27	2.66	2.57	2.91	2.10	2.29	33.91	12.6 - 18.5 mph
0.37	0.27	0.43	0.00	0.34	0.54	0.16	0.95	2.22	2.42	1.82	0.99	1.87	1.46	0.76	0.74	15.33	18.6 - 24.5 mph
0.07	0.00	0.07	0.00	0.03	0.10	0.06	0.25	1.14	0.99	0.30	0.20	0.82	0.31	0.29	0.20	4.85	> 24.5 mph

Dresden Nuclear Station
35 ft. Wind Speed and Direction

April-June, 2002
150Ft-35Ft Delta-T (F)

Number of Observations = 2177
Values are Percent Occurrence

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.14	0.14							
MU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05		0.05						
1 SU	0.09	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.28			0.28					
- N	0.18	0.23	0.18	0.00	0.05	0.14	0.14	0.09	0.09	0.18	0.14	0.09	0.05	0.05	0.23	0.23	2.07				2.07				
3 SS	0.09	0.14	0.60	0.28	0.41	0.23	0.18	0.09	0.55	0.51	0.23	0.28	0.37	0.23	0.23	0.51	4.92					4.92			
MS	0.32	0.18	0.05	0.05	0.18	0.23	0.23	0.32	0.32	0.23	0.60	0.37	0.37	0.32	0.23	0.37	4.36						4.36		
ES	0.05	0.00	0.00	0.09	0.00	0.00	0.14	0.09	0.32	0.37	0.51	0.32	0.09	0.05	0.14	0.05	2.20							2.20	
																									14.01
EU	0.14	0.18	0.23	0.18	0.18	0.00	0.00	0.18	0.18	0.23	0.28	0.37	0.18	0.05	0.14	0.14	2.66	2.66							
MU	0.28	0.18	0.14	0.05	0.05	0.09	0.00	0.18	0.09	0.09	0.05	0.09	0.00	0.09	0.18	0.09	1.65		1.65						
4 SU	0.23	0.09	0.23	0.00	0.09	0.00	0.14	0.18	0.14	0.05	0.23	0.05	0.05	0.09	0.09	0.09	1.75			1.75					
- N	0.78	0.32	1.61	0.92	0.69	0.32	1.06	0.73	0.46	0.69	0.60	1.01	0.87	0.83	0.92	0.87	12.68				12.68				
7 SS	0.28	0.28	1.42	1.10	1.98	1.75	0.78	1.70	1.10	1.19	1.24	0.83	1.88	1.33	1.75	0.78	19.38					19.38			
MS	0.00	0.00	0.00	0.00	0.14	0.28	0.32	0.64	0.37	0.78	0.87	0.32	0.18	0.18	0.18	0.09	4.36						4.36		
ES	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.14	0.78	0.18	0.09	0.05	0.00	0.00	1.33							1.33	
																									43.82
EU	0.00	0.05	0.41	0.32	0.05	0.09	0.00	0.05	0.09	0.05	0.09	0.18	0.09	0.55	0.37	0.51	2.89	2.89							
MU	0.00	0.05	0.14	0.00	0.00	0.14	0.00	0.14	0.09	0.23	0.00	0.18	0.28	0.18	0.00	0.05	1.47		1.47						
8 SU	0.05	0.05	0.09	0.00	0.14	0.09	0.09	0.18	0.00	0.23	0.05	0.37	0.05	0.37	0.05	0.14	1.93			1.93					
- N	0.37	0.60	1.61	0.60	0.92	0.51	0.41	1.01	0.64	0.55	0.32	0.60	0.96	1.06	0.87	0.46	11.48				11.48				
1 SS	0.05	0.05	0.46	0.18	0.51	0.78	0.60	2.25	1.98	1.19	0.92	0.55	0.55	0.51	0.46	0.37	11.39					11.39			
2 MS	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.09	0.05	0.05	0.18	0.05	0.00	0.00	0.00	0.00	0.51						0.51		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05							0.05	
																									29.72
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.28	0.18	0.09	0.00	0.18	0.09	0.00	1.06	1.06							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.14	0.05	0.09	0.05	0.09	0.00	0.00	0.64		0.64						
3 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.23	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.51			0.51					
- N	0.00	0.00	0.18	0.00	0.18	0.73	0.05	0.23	0.55	0.51	0.32	0.05	0.37	0.51	0.14	0.05	3.86				3.86				
1 SS	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.51	1.79	0.96	0.14	0.00	0.05	0.00	0.23	0.05	4.00					4.00			
8 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									10.06

Dresden Nuclear Station
35 ft. Wind Speed and Direction

April-June, 2002
150Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.05	0.00	0.00	0.41	0.41							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.18		0.18						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.09			0.09					
- N	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.28	0.37	0.00	0.05	0.09	0.00	0.00	0.00	0.87				0.87				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.55	0.00	0.14	0.00	0.00	0.00	0.00	0.78					0.78			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									2.34
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05					0.05			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.05
TOT	2.94	2.39	7.35	3.81	5.70	5.65	4.36	9.00	9.88	9.78	7.85	6.29	7.03	6.80	6.29	4.87	100.00	7.17	4.00	4.55	30.96	40.51	9.23	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-
0.14	0.23	0.64	0.51	0.23	0.09	0.00	0.28	0.51	0.55	0.60	0.64	0.64	0.87	0.60	0.64	7.17	Extremely Unstable
0.32	0.23	0.28	0.05	0.05	0.23	0.00	0.46	0.37	0.55	0.09	0.37	0.32	0.37	0.18	0.14	4.00	Moderately Unstable
0.37	0.14	0.32	0.05	0.32	0.09	0.28	0.46	0.41	0.37	0.28	0.46	0.14	0.46	0.14	0.28	4.55	Slightly Unstable
1.33	1.15	3.58	1.52	1.88	1.75	1.65	2.07	2.02	2.30	1.38	1.79	2.34	2.43	2.16	1.61	30.96	Neutral
0.41	0.46	2.48	1.56	2.89	2.89	1.70	4.55	5.51	4.46	2.53	1.79	2.85	2.07	2.66	1.70	40.51	Slightly Stable
0.32	0.18	0.05	0.05	0.32	0.55	0.60	1.06	0.73	1.06	1.65	0.73	0.55	0.51	0.41	0.46	9.23	Moderately Stable
0.05	0.00	0.00	0.09	0.00	0.05	0.14	0.14	0.32	0.51	1.33	0.51	0.18	0.09	0.14	0.05	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C A L M
0.78	0.55	0.83	0.46	0.73	0.60	0.69	0.64	1.29	1.29	1.52	1.06	0.87	0.69	0.83	1.19	14.01	< 3.5 mph
1.70	1.06	3.63	2.25	3.12	2.48	2.30	3.67	2.34	3.17	4.04	2.85	3.26	2.62	3.26	2.07	43.82	3.6 - 7.5 mph
0.46	0.78	2.71	1.10	1.61	1.65	1.15	3.72	2.85	2.30	1.61	1.93	1.93	2.66	1.75	1.52	29.72	7.6 - 12.5 mph
0.00	0.00	0.18	0.00	0.18	0.87	0.23	0.92	2.94	1.98	0.69	0.28	0.46	0.78	0.46	0.09	10.06	12.6 - 18.5 mph
0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.05	0.46	1.01	0.00	0.18	0.51	0.05	0.00	0.00	2.34	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	> 24.5 mph

Dresden Nuclear Station
300 ft. Wind Speed and Direction

April-June, 2002
300Ft-35Ft Delta-T (F)

Number of Observations = 2103
Values are Percent Occurrence

SPEED CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	STABILITY CLASSES EU	MU	SU	N	SS	MS	ES	TOTAL
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
1 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05			0.05					
- N	0.05	0.10	0.05	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.05	0.00	0.00	0.05	0.05	0.10	0.57				0.57				
3 SS	0.00	0.10	0.10	0.10	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.14	0.05	0.00	0.05	0.05	0.71					0.71			
MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.10						0.10		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									1.43
EU	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.10	0.00	0.10	0.10	0.05	0.10	0.00	0.00	0.00	0.52	0.52							
MU	0.14	0.05	0.14	0.10	0.00	0.14	0.05	0.14	0.24	0.00	0.14	0.19	0.05	0.00	0.05	0.05	1.47		1.47						
4 SU	0.14	0.14	0.10	0.14	0.05	0.14	0.29	0.05	0.10	0.00	0.05	0.10	0.05	0.00	0.10	0.10	1.52			1.52					
- N	0.52	0.19	0.62	0.81	0.38	0.14	0.52	0.48	0.38	0.24	0.43	0.14	0.24	0.19	0.33	0.33	5.94				5.94				
7 SS	0.19	0.10	0.14	0.24	0.14	0.19	0.10	0.38	0.24	0.19	0.29	0.24	0.19	0.29	0.14	0.10	3.14					3.14			
MS	0.14	0.00	0.00	0.00	0.05	0.05	0.05	0.10	0.14	0.05	0.24	0.14	0.05	0.05	0.05	0.00	1.09						1.09		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.14							0.14	
																									13.84
EU	0.00	0.05	0.10	0.14	0.05	0.00	0.00	0.00	0.00	0.10	0.00	0.14	0.00	0.00	0.05	0.00	0.62	0.62							
MU	0.05	0.05	0.10	0.19	0.00	0.10	0.05	0.10	0.19	0.14	0.10	0.10	0.05	0.14	0.10	0.05	1.47		1.47						
8 SU	0.19	0.10	0.29	0.00	0.19	0.05	0.24	0.29	0.24	0.14	0.05	0.24	0.19	0.14	0.19	0.10	2.62			2.62					
- N	0.38	0.76	1.47	1.85	0.71	0.43	0.24	1.00	0.33	0.52	0.71	0.67	0.71	0.90	1.33	0.48	12.51				12.51				
1 SS	0.43	0.00	0.38	0.43	0.67	0.62	1.00	0.81	0.62	0.95	1.14	0.67	0.90	0.71	0.29	0.67	10.27					10.27			
2 MS	0.00	0.19	0.05	0.00	0.10	0.10	0.14	0.19	0.14	0.10	0.29	0.62	0.57	0.10	0.05	0.14	2.76						2.76		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.14	0.19	0.10	0.00	0.10	0.05	0.67							0.67	
																									30.91
EU	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.14	0.05	0.29	0.67	0.67							
1 MU	0.00	0.10	0.14	0.00	0.05	0.05	0.00	0.24	0.00	0.05	0.14	0.10	0.10	0.24	0.19	0.14	1.52		1.52						
3 SU	0.00	0.05	0.19	0.00	0.00	0.14	0.10	0.10	0.10	0.14	0.05	0.43	0.14	0.24	0.10	0.14	1.90			1.90					
- N	0.86	0.43	2.00	0.48	0.90	0.57	0.14	0.90	0.62	0.62	0.52	0.52	0.76	1.43	0.95	1.09	12.79				12.79				
1 SS	0.48	0.10	0.14	0.19	0.67	1.00	1.00	1.95	1.00	1.47	1.71	0.81	0.86	1.09	1.00	0.71	14.17					14.17			
8 MS	0.00	0.00	0.00	0.00	0.05	0.24	0.19	0.10	0.38	0.14	0.71	0.76	0.14	0.05	0.14	0.10	3.00						3.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.10	0.05	0.05	0.00	0.00	0.57							0.57	
																									34.62

Dresden Nuclear Station
35 ft. Wind Speed and Direction

July-September, 2002
150Ft-35Ft Delta-T (F)

Number of Observations = 2192
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L	SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																										0.00
	EU	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09							
	MU	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.18		0.18						
1	SU	0.05	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.05	0.00	0.09	0.09	0.05	0.00	0.00	0.05	0.50			0.50					
-	N	0.00	0.09	0.05	0.05	0.05	0.05	0.05	0.14	0.27	0.14	0.18	0.27	0.05	0.14	0.14	0.09	1.73				1.73				
3	SS	0.68	0.87	0.41	0.41	0.32	0.18	0.05	0.09	0.27	0.27	0.41	0.36	0.41	0.46	0.50	0.55	6.25					6.25			
	MS	0.46	0.64	0.36	0.32	0.55	0.32	0.55	0.18	0.50	0.55	0.55	0.32	0.55	0.64	0.59	0.41	7.48						7.48		
	ES	0.14	0.00	0.00	0.05	0.00	0.23	0.18	0.23	0.27	0.64	1.14	0.55	0.50	0.55	0.96	0.78	6.20							6.20	
																										22.45
	EU	0.50	0.78	1.41	1.73	0.87	0.50	0.46	0.59	0.78	0.68	1.14	1.41	0.59	0.41	0.27	0.64	12.77	12.77							
	MU	0.14	0.05	0.14	0.05	0.32	0.14	0.14	0.23	0.05	0.05	0.27	0.18	0.14	0.09	0.05	0.00	2.01		2.01						
4	SU	0.05	0.00	0.09	0.00	0.00	0.14	0.14	0.00	0.09	0.05	0.18	0.18	0.14	0.09	0.23	0.05	1.41			1.41					
-	N	0.23	0.46	0.55	1.05	0.46	0.36	0.36	0.82	0.50	0.59	0.50	0.73	0.73	0.68	0.36	0.36	8.76				8.76				
7	SS	0.41	1.32	3.28	2.05	1.82	1.14	0.41	2.33	2.28	1.37	1.19	0.68	0.82	0.82	0.41	1.05	21.40					21.40			
	MS	0.00	0.09	0.27	0.00	0.55	0.91	0.18	0.41	0.50	0.23	0.73	0.27	0.23	0.18	0.09	0.05	4.70						4.70		
	ES	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.68	0.14	0.00	0.05	0.05	0.09	1.46							1.46	
																										52.51
	EU	0.18	0.00	0.82	0.64	0.78	0.36	0.27	0.41	0.41	0.78	1.28	1.28	0.41	0.18	0.05	0.00	7.85	7.85							
	MU	0.00	0.00	0.09	0.14	0.09	0.05	0.05	0.14	0.18	0.05	0.18	0.23	0.09	0.05	0.00	0.05	1.37		1.37						
8	SU	0.00	0.00	0.09	0.00	0.14	0.05	0.14	0.05	0.14	0.09	0.14	0.09	0.09	0.05	0.00	0.00	1.05			1.05					
-	N	0.00	0.00	0.46	0.23	0.32	0.27	0.32	0.18	0.55	0.82	0.41	0.23	0.09	0.09	0.00	0.05	4.01				4.01				
1	SS	0.05	0.00	0.91	0.14	0.32	0.00	0.23	0.78	2.05	0.82	0.73	0.23	0.00	0.09	0.09	0.14	6.57					6.57			
2	MS	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.14	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.32						0.32		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																										21.17
	EU	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	0.87	0.32	0.05	0.00	0.00	0.00	0.00	1.41	1.41							
1	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.41		0.41						
3	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.36			0.36					
-	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.36	0.55	0.23	0.05	0.00	0.00	0.00	0.05	1.28				1.28				
1	SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.05	0.09	0.00	0.05	0.05	0.00	0.00	0.00	0.32					0.32			
8	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																										3.79

Dresden Nuclear Station
35 ft. Wind Speed and Direction

July-September, 2002
150Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
- N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05				0.05				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.09
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
TOT	2.87	4.33	9.03	6.93	6.66	4.88	3.70	6.93	9.85	9.26	10.45	7.39	4.93	4.56	3.83	4.38	100.00	22.17	3.97	3.33	15.83	34.53	12.50	7.66	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-
0.68	0.78	2.28	2.37	1.64	0.91	0.82	1.00	1.28	2.37	2.74	2.74	1.00	0.59	0.32	0.64	22.17	Extremely Unstable
0.14	0.09	0.23	0.18	0.41	0.23	0.18	0.50	0.32	0.27	0.50	0.41	0.23	0.14	0.09	0.05	3.97	Moderately Unstable
0.09	0.00	0.23	0.09	0.14	0.18	0.27	0.05	0.41	0.36	0.41	0.36	0.27	0.14	0.23	0.09	3.33	Slightly Unstable
0.23	0.55	1.05	1.32	0.82	0.68	0.73	1.19	1.69	2.14	1.32	1.28	0.87	0.91	0.50	0.55	15.83	Neutral
1.14	2.19	4.61	2.60	2.46	1.32	0.68	3.28	4.65	2.55	2.33	1.32	1.28	1.37	1.00	1.73	34.53	Slightly Stable
0.46	0.73	0.64	0.32	1.19	1.23	0.73	0.59	1.14	0.82	1.32	0.59	0.78	0.82	0.68	0.46	12.50	Moderately Stable
0.14	0.00	0.00	0.05	0.00	0.32	0.27	0.32	0.36	0.73	1.82	0.68	0.50	0.59	1.00	0.87	7.66	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C A L M
1.32	1.64	0.91	0.91	0.91	0.87	0.82	0.64	1.37	1.64	2.37	1.60	1.55	1.78	2.24	1.87	22.45	< 3.5 mph
1.32	2.69	5.75	4.88	4.01	3.28	1.78	4.47	4.29	3.06	4.70	3.60	2.65	2.33	1.46	2.24	52.51	3.6 - 7.5 mph
0.23	0.00	2.37	1.14	1.73	0.73	1.00	1.55	3.47	2.60	2.78	2.05	0.68	0.46	0.14	0.23	21.17	7.6 - 12.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.27	0.73	1.87	0.59	0.14	0.05	0.00	0.00	0.05	3.79	12.6 - 18.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.09	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	> 24.5 mph

Dresden Nuclear Station
300 ft. Wind Speed and Direction

July-September, 2002
300Ft-35Ft Delta-T (F)

Number of Observations = 2206
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C	SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L	SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M	MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
	ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																										0.00
	EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
1	SU	0.05	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.18			0.18					
-	N	0.09	0.00	0.00	0.05	0.09	0.09	0.09	0.05	0.05	0.18	0.05	0.09	0.05	0.18	0.00	0.05	1.09				1.09				
3	SS	0.14	0.00	0.05	0.05	0.00	0.09	0.00	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.05	0.05	0.54					0.54			
	MS	0.05	0.05	0.00	0.05	0.00	0.09	0.05	0.00	0.05	0.00	0.09	0.09	0.05	0.05	0.05	0.05	0.68						0.68		
	ES	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.14	0.05	0.00	0.00	0.23	0.05	0.09	0.05	0.73							0.73	
																										3.22
	EU	0.05	0.00	0.32	0.77	0.14	0.09	0.09	0.18	0.32	0.27	0.36	0.77	0.45	0.09	0.05	0.05	3.99	3.99							
	MU	0.00	0.05	0.05	0.23	0.14	0.14	0.14	0.14	0.36	0.23	0.18	0.23	0.09	0.05	0.05	0.18	2.22		2.22						
4	SU	0.09	0.05	0.05	0.23	0.18	0.23	0.09	0.27	0.05	0.05	0.23	0.27	0.23	0.18	0.14	0.00	2.31			2.31					
-	N	0.14	0.00	0.23	0.82	0.41	0.45	0.50	0.73	0.41	0.45	0.41	0.36	0.50	0.32	0.36	0.18	6.26				6.26				
7	SS	0.05	0.09	0.23	0.86	0.45	0.36	0.05	0.23	0.09	0.18	0.23	0.18	0.27	0.23	0.18	0.23	3.90					3.90			
	MS	0.00	0.09	0.18	0.45	0.27	0.23	0.14	0.23	0.32	0.05	0.23	0.50	0.27	0.09	0.09	0.00	3.13						3.13		
	ES	0.00	0.09	0.18	0.41	0.18	0.00	0.00	0.00	0.05	0.09	0.09	0.23	0.09	0.05	0.00	0.05	1.50							1.50	
																										23.30
	EU	0.32	0.54	0.73	0.86	0.45	0.14	0.23	0.32	0.23	0.32	0.77	0.82	0.14	0.32	0.14	0.18	6.48	6.48							
	MU	0.14	0.09	0.09	0.41	0.36	0.00	0.36	0.09	0.18	0.09	0.41	0.27	0.09	0.09	0.09	0.05	2.81		2.81						
8	SU	0.09	0.09	0.14	0.32	0.27	0.05	0.09	0.09	0.09	0.23	0.32	0.23	0.09	0.09	0.05	0.05	2.27			2.27					
-	N	0.27	0.27	0.23	1.72	0.45	0.36	0.59	0.86	0.50	0.73	0.54	0.73	0.86	0.41	0.27	0.27	9.07				9.07				
1	SS	0.27	0.36	0.91	2.40	1.36	0.27	0.68	0.68	0.50	0.63	0.54	0.59	0.32	0.18	0.27	0.27	10.24					10.24			
2	MS	0.23	0.18	0.36	0.41	0.14	0.05	0.27	0.73	0.18	0.23	0.77	0.54	0.68	0.14	0.27	0.18	5.35						5.35		
	ES	0.23	0.09	0.23	0.00	0.05	0.00	0.14	0.27	0.00	0.09	0.18	0.05	0.18	0.18	0.09	0.05	1.81							1.81	
																										38.03
	EU	0.00	0.27	0.18	0.00	0.32	0.09	0.00	0.05	0.05	0.36	0.23	0.18	0.00	0.27	0.00	0.00	1.99	1.99							
1	MU	0.09	0.09	0.09	0.00	0.14	0.09	0.00	0.05	0.09	0.18	0.18	0.18	0.05	0.00	0.00	0.00	1.22		1.22						
3	SU	0.05	0.05	0.09	0.00	0.09	0.05	0.00	0.14	0.27	0.14	0.27	0.09	0.09	0.09	0.00	0.00	1.41			1.41					
-	N	0.45	0.68	0.45	0.27	0.77	0.09	0.09	0.14	0.86	0.68	0.91	0.36	0.14	0.23	0.00	0.09	6.21				6.21				
1	SS	0.59	0.73	1.18	0.00	0.95	0.59	0.45	0.82	2.45	2.45	1.13	0.50	0.32	0.32	0.63	0.41	13.51					13.51			
8	MS	0.00	0.14	0.18	0.00	0.09	0.36	0.86	0.27	0.14	0.09	0.23	0.54	0.09	0.18	0.27	0.09	3.54						3.54		
	ES	0.14	0.00	0.00	0.00	0.00	0.00	0.05	0.23	0.00	0.00	0.14	0.05	0.05	0.00	0.00	0.09	0.73							0.73	
																										28.60

Dresden Nuclear Station
300 ft. Wind Speed and Direction

July-September, 2002
300Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.27	0.09	0.00	0.00	0.00	0.00	0.00	0.45	0.45							
1 MU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.18	0.09	0.00	0.00	0.00	0.00	0.00	0.36		0.36						
9 SU	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.27	0.00	0.05	0.00	0.00	0.00	0.00	0.41			0.41					
- N	0.14	0.00	0.18	0.00	0.00	0.00	0.00	0.05	0.36	0.82	0.36	0.14	0.00	0.05	0.00	0.05	2.13				2.13				
2 SS	0.14	0.09	0.09	0.00	0.00	0.14	0.00	0.14	0.54	0.95	0.32	0.09	0.00	0.00	0.09	0.09	2.67					2.67			
4 MS	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.09	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.27						0.27		
ES	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14							0.14	
																									6.44
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05		0.05						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05			0.05					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.05	0.00	0.00	0.05	0.23				0.23				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05					0.05			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.41
TOT	3.90	4.17	6.44	10.38	7.30	4.13	5.08	6.71	8.52	10.52	9.52	8.16	5.39	3.81	3.22	2.77	100.00	12.96	6.66	6.62	24.98	30.92	12.96	4.90	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-
0.36	0.82	1.22	1.63	0.91	0.32	0.36	0.54	0.63	1.27	1.45	1.77	0.59	0.68	0.18	0.23	12.96	Extremely Unstable
0.27	0.23	0.23	0.63	0.63	0.23	0.50	0.27	0.68	0.73	0.86	0.68	0.23	0.14	0.14	0.23	6.66	Moderately Unstable
0.27	0.27	0.27	0.59	0.54	0.32	0.18	0.50	0.45	0.68	0.91	0.63	0.41	0.36	0.18	0.05	6.62	Slightly Unstable
1.09	0.95	1.09	2.86	1.72	1.00	1.27	1.81	2.18	2.99	2.27	1.68	1.59	1.18	0.63	0.68	24.98	Neutral
1.18	1.27	2.45	3.31	2.77	1.45	1.18	1.86	3.63	4.22	2.27	1.41	0.95	0.73	1.22	1.04	30.92	Slightly Stable
0.32	0.45	0.73	0.91	0.50	0.77	1.31	1.22	0.77	0.41	1.36	1.68	1.09	0.45	0.68	0.32	12.96	Moderately Stable
0.41	0.18	0.45	0.45	0.23	0.05	0.27	0.50	0.18	0.23	0.41	0.32	0.54	0.27	0.18	0.23	4.90	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CALM
0.36	0.09	0.09	0.23	0.09	0.27	0.14	0.05	0.27	0.23	0.23	0.18	0.36	0.27	0.18	0.18	3.22	< 3.5 mph
0.32	0.36	1.22	3.76	1.77	1.50	1.00	1.77	1.59	1.31	1.72	2.54	1.90	1.00	0.86	0.68	23.30	3.6 - 7.5 mph
1.54	1.63	2.67	6.12	3.08	0.86	2.36	3.04	1.68	2.31	3.54	3.22	2.36	1.41	1.18	1.04	38.03	7.6 - 12.5 mph
1.31	1.95	2.18	0.27	2.36	1.27	1.45	1.68	3.85	3.90	3.08	1.90	0.73	1.09	0.91	0.68	28.60	12.6 - 18.5 mph
0.36	0.14	0.27	0.00	0.00	0.23	0.14	0.18	1.13	2.54	0.91	0.27	0.00	0.05	0.09	0.14	6.44	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.05	0.05	0.05	0.00	0.00	0.05	0.41	> 24.5 mph

Dresden Nuclear Station
35 ft. Wind Speed and Direction

October-December, 2002
150Ft-35Ft Delta-T (F)

Number of Observations = 2202
Values are Percent Occurrence

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00			
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.09	0.09							
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.05	0.14		0.14						
1 SU	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.09			0.09					
- N	0.23	0.14	0.05	0.09	0.05	0.00	0.09	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.86				0.86				
3 SS	0.32	0.18	0.23	0.09	0.14	0.05	0.14	0.27	0.27	0.18	0.27	0.32	0.45	0.41	0.32	0.50	4.13					4.13			
MS	0.09	0.00	0.00	0.09	0.27	0.09	0.23	0.41	0.64	0.64	0.45	0.23	0.50	0.18	0.36	0.18	4.36						4.36		
ES	0.00	0.00	0.14	0.00	0.00	0.00	0.05	0.14	0.27	0.50	0.32	0.09	0.14	0.23	0.18	0.14	2.18							2.18	
																									11.85
EU	0.09	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.09	0.18	0.36	0.23	1.41	1.41							
MU	0.14	0.00	0.09	0.05	0.00	0.05	0.05	0.09	0.00	0.05	0.00	0.00	0.00	0.14	0.05	0.09	0.77		0.77						
4 SU	0.09	0.05	0.14	0.09	0.09	0.05	0.00	0.00	0.09	0.14	0.05	0.00	0.00	0.05	0.09	0.32	1.23			1.23					
- N	0.73	0.91	1.09	0.41	0.50	0.36	0.14	0.27	0.50	0.36	0.45	0.77	0.77	0.91	0.91	1.91	10.99				10.99				
7 SS	1.36	1.63	1.09	0.91	2.18	1.04	0.59	1.04	0.95	1.04	0.73	0.77	2.91	1.91	1.82	1.86	21.84					21.84			
MS	0.00	0.00	0.00	0.00	0.27	0.54	0.05	0.41	1.23	1.41	1.14	0.41	0.50	0.23	0.09	0.45	6.72						6.72		
ES	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.27	0.41	0.59	0.05	0.00	0.00	0.05	0.00	1.50							1.50	
																									44.46
EU	0.23	0.00	0.00	0.00	0.05	0.00	0.18	0.23	0.00	0.14	0.14	0.23	0.23	0.32	0.68	0.73	3.13	3.13							
MU	0.09	0.00	0.05	0.05	0.05	0.00	0.00	0.05	0.05	0.09	0.23	0.23	0.14	0.14	0.00	0.18	1.32		1.32						
8 SU	0.00	0.05	0.09	0.05	0.18	0.00	0.00	0.05	0.05	0.05	0.14	0.14	0.05	0.09	0.00	0.05	0.95			0.95					
- N	0.41	0.41	1.00	0.27	1.00	0.54	0.27	0.45	0.59	0.54	1.00	0.41	1.82	1.14	1.00	0.86	11.72				11.72				
1 SS	0.05	0.23	0.36	0.32	0.45	0.32	0.23	0.68	1.04	1.14	1.41	0.59	2.27	0.68	1.68	0.50	11.94					11.94			
2 MS	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.32						0.32		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									29.38
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.18	0.09	0.18	0.00	0.00	0.00	0.68	0.68							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.05	0.00	0.00	0.00	0.18		0.18						
3 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.23	0.05	0.05	0.00	0.05	0.00	0.45			0.45					
- N	0.05	0.00	0.00	0.00	0.73	0.32	0.05	0.00	0.45	0.36	0.45	0.54	1.27	0.14	0.27	0.36	5.00				5.00				
1 SS	0.00	0.00	0.00	0.00	0.05	0.23	0.14	0.54	1.18	1.04	0.68	0.27	1.09	0.27	0.14	0.23	5.86					5.86			
8 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									12.17

Dresden Nuclear Station
35 ft. Wind Speed and Direction

October-December, 2002
150Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.09		0.09						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
- N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.41	0.14	0.09	0.05	0.00	0.05	0.00	0.86				0.86				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.23	0.68	0.00	0.00	0.00	0.09	0.00	0.00	0.00	1.04					1.04			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									2.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				
2 SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14					0.14			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									0.14
TOT	3.91	3.63	4.45	2.41	6.04	3.72	2.23	5.04	8.54	9.04	8.86	5.50	12.67	7.13	8.22	8.63	100.00	5.31	2.50	2.72	29.43	44.96	11.40	3.68	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-
0.32	0.05	0.14	0.00	0.05	0.00	0.18	0.23	0.09	0.27	0.45	0.45	0.50	0.54	1.09	0.95	5.31	Extremely Unstable
0.23	0.00	0.14	0.09	0.05	0.05	0.05	0.14	0.05	0.36	0.23	0.27	0.18	0.32	0.05	0.32	2.50	Moderately Unstable
0.14	0.09	0.23	0.14	0.27	0.05	0.00	0.05	0.18	0.23	0.41	0.18	0.09	0.14	0.18	0.36	2.72	Slightly Unstable
1.41	1.45	2.13	0.77	2.27	1.23	0.54	0.82	1.63	1.68	2.04	1.86	3.95	2.23	2.27	3.13	29.43	Neutral
1.73	2.04	1.68	1.32	2.82	1.63	1.14	2.86	4.18	3.41	3.09	1.95	6.81	3.27	3.95	3.09	44.96	Slightly Stable
0.09	0.00	0.00	0.09	0.59	0.64	0.27	0.82	1.86	2.18	1.73	0.64	1.00	0.41	0.45	0.64	11.40	Moderately Stable
0.00	0.00	0.14	0.00	0.00	0.14	0.05	0.14	0.54	0.91	0.91	0.14	0.14	0.23	0.23	0.14	3.68	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C A L M
0.68	0.32	0.41	0.27	0.45	0.14	0.50	0.86	1.18	1.32	1.04	0.73	1.14	0.95	1.00	0.86	11.85	< 3.5 mph
2.41	2.63	2.54	1.45	3.04	2.18	0.82	1.82	3.04	3.41	3.09	2.13	4.27	3.41	3.36	4.86	44.46	3.6 - 7.5 mph
0.77	0.68	1.50	0.68	1.77	0.86	0.68	1.45	1.73	2.09	3.04	1.59	4.50	2.36	3.36	2.32	29.38	7.6 - 12.5 mph
0.05	0.00	0.00	0.00	0.77	0.54	0.18	0.54	1.77	1.73	1.54	0.95	2.63	0.41	0.45	0.59	12.17	12.6 - 18.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.27	0.77	0.50	0.14	0.09	0.14	0.00	0.05	0.00	2.00	18.6 - 24.5 mph
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	> 24.5 mph

Dresden Nuclear Station
300 ft. Wind Speed and Direction

October-December, 2002
300Ft-35Ft Delta-T (F)

Number of Observations = 2201
Values are Percent Occurrence

SPEED CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
	WIND DIRECTION CLASSES																
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
																	0.00
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
- N	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.14	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.45
3 SS	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
MS	0.05	0.05	0.00	0.00	0.00	0.05	0.09	0.05	0.00	0.00	0.00	0.14	0.00	0.00	0.05	0.00	0.45
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
																	1.09
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.05	0.18
MU	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.09	0.05	0.00	0.00	0.14	0.14	0.50
4 SU	0.00	0.00	0.00	0.05	0.00	0.09	0.05	0.05	0.00	0.09	0.05	0.09	0.00	0.00	0.05	0.14	0.64
- N	0.64	0.23	0.50	0.59	0.41	0.23	0.09	0.05	0.09	0.09	0.23	0.32	0.23	0.27	0.23	0.32	4.50
7 SS	0.00	0.27	0.14	0.32	0.27	0.09	0.18	0.23	0.09	0.14	0.09	0.27	0.32	0.14	0.27	0.09	2.91
MS	0.05	0.00	0.00	0.00	0.00	0.09	0.05	0.14	0.18	0.00	0.05	0.18	0.09	0.09	0.14	0.09	1.14
ES	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.05	0.09	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.55
																	10.40
EU	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.14	0.23	0.50
MU	0.00	0.00	0.05	0.00	0.00	0.00	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.14	0.09	0.09	0.59
8 SU	0.14	0.14	0.18	0.00	0.05	0.00	0.05	0.05	0.09	0.09	0.09	0.23	0.14	0.23	0.09	0.27	1.82
- N	1.04	1.23	1.77	1.50	1.00	0.32	0.18	0.41	0.55	0.86	0.68	0.82	0.95	1.00	0.91	2.09	15.31
1 SS	0.68	0.64	0.23	0.23	0.64	0.23	0.36	0.36	0.68	0.73	0.64	0.59	1.23	0.50	0.36	0.73	8.81
2 MS	0.00	0.05	0.14	0.00	0.00	0.09	0.05	0.09	0.14	0.09	0.41	0.68	1.04	0.23	0.23	0.27	3.50
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.23	0.00	0.00	0.05	0.00	0.05	0.05	0.50
																	31.03
EU	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.14	0.09	0.23	0.27	0.95
1 MU	0.09	0.00	0.00	0.00	0.05	0.00	0.00	0.14	0.05	0.18	0.00	0.09	0.14	0.00	0.14	0.14	1.00
3 SU	0.05	0.00	0.05	0.00	0.18	0.00	0.00	0.05	0.00	0.14	0.36	0.14	0.18	0.23	0.05	0.05	1.45
- N	0.59	0.59	0.64	0.23	1.68	0.45	0.18	0.41	0.55	0.41	1.18	0.45	1.73	1.91	1.18	1.09	13.27
1 SS	0.95	0.95	0.36	0.05	0.32	0.36	0.45	0.36	0.32	1.32	1.95	0.50	1.68	1.54	1.23	1.00	13.36
8 MS	0.27	0.09	0.05	0.00	0.00	0.50	0.32	0.09	0.18	0.64	1.64	0.45	0.23	0.14	0.32	0.45	5.36
ES	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.27	0.09	0.09	0.00	0.00	0.05	0.05	0.68
																	36.07

SPEED CLASS	EU	MU	SU	N	SS	MS	ES	TOTAL
	STABILITY CLASSES							
EU	0.00							
MU		0.00						
C SU			0.00					
A N				0.00				
L SS					0.00			
M MS						0.00		
ES							0.00	
EU	0.05							
MU		0.00						
1 SU			0.05					
- N				0.45				
3 SS					0.05			
MS						0.45		
ES							0.05	
EU	0.18							
MU		0.50						
4 SU			0.64					
- N				4.50				
7 SS					2.91			
MS						1.14		
ES							0.55	
EU	0.50							
MU		0.59						
8 SU			1.82					
- N				15.31				
1 SS					8.81			
2 MS						3.50		
ES							0.50	
EU	0.95							
1 MU		1.00						
3 SU			1.45					
- N				13.27				
1 SS					13.36			
8 MS						5.36		
ES							0.68	

Dresden Nuclear Station
300 ft. Wind Speed and Direction

October-December, 2002
300Ft-35Ft Delta-T (F)

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
	WIND DIRECTION CLASSES																	STABILITY CLASSES							
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.09	0.09							
1 MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.14		0.14						
9 SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.09	0.14	0.00	0.05	0.05	0.45			0.45					
- N	0.14	0.27	0.14	0.00	0.59	0.45	0.00	0.09	0.55	0.82	0.36	0.36	2.00	0.73	0.36	0.50	7.36				7.36				
2 SS	0.09	0.00	0.00	0.00	0.05	0.09	0.18	0.23	0.95	1.18	1.27	0.32	1.00	0.41	0.45	0.41	6.63					6.63			
4 MS	0.23	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.05	0.09	0.00	0.14	0.05	0.00	0.00	0.64						0.64		
ES	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.45							0.45	
																									15.77
EU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
G MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05		0.05						
T SU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00					
N	0.09	0.00	0.00	0.00	0.00	0.18	0.00	0.27	0.55	0.41	0.27	0.09	0.50	0.23	0.50	0.18	3.27				3.27				
2 SS	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.09	0.68	0.59	0.32	0.09	0.18	0.05	0.00	0.09	2.32					2.32			
4 MS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00		
ES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
																									5.63
TOT	5.36	4.59	4.32	3.00	5.36	3.50	2.59	3.32	6.09	8.72	10.31	6.32	12.13	8.18	7.31	8.91	100.00	1.77	2.27	4.41	44.16	34.08	11.09	2.23	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-
0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.09	0.14	0.18	0.41	0.64	1.77	Extremely Unstable
0.09	0.05	0.05	0.00	0.05	0.00	0.14	0.27	0.05	0.23	0.18	0.18	0.14	0.14	0.36	0.36	2.27	Moderately Unstable
0.18	0.14	0.23	0.05	0.23	0.09	0.09	0.14	0.09	0.45	0.50	0.55	0.45	0.50	0.23	0.50	4.41	Slightly Unstable
2.50	2.36	3.09	2.32	3.73	1.68	0.45	1.23	2.41	2.59	2.73	2.04	5.45	4.23	3.18	4.18	44.16	Neutral
1.73	1.86	0.73	0.59	1.32	0.86	1.32	1.27	2.73	3.95	4.27	1.77	4.41	2.64	2.32	2.32	34.08	Slightly Stable
0.59	0.18	0.18	0.00	0.00	0.77	0.55	0.36	0.50	0.77	2.18	1.45	1.50	0.50	0.73	0.82	11.09	Moderately Stable
0.05	0.00	0.05	0.05	0.05	0.09	0.05	0.05	0.32	0.68	0.41	0.23	0.05	0.00	0.09	0.09	2.23	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-
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C A L M
0.05	0.09	0.05	0.00	0.09	0.09	0.14	0.05	0.14	0.00	0.00	0.14	0.05	0.14	0.05	0.05	1.09	< 3.5 mph
0.68	0.55	0.68	1.00	0.73	0.50	0.36	0.55	0.45	0.32	0.64	1.09	0.64	0.55	0.86	0.82	10.40	3.6 - 7.5 mph
1.95	2.04	2.36	1.73	1.68	0.64	0.77	1.00	1.59	2.00	1.82	2.36	3.41	2.09	1.86	3.73	31.03	7.6 - 12.5 mph
2.14	1.64	1.09	0.27	2.23	1.36	0.95	1.04	1.14	3.00	5.27	1.73	4.09	3.91	3.18	3.04	36.07	12.6 - 18.5 mph
0.45	0.27	0.14	0.00	0.64	0.64	0.23	0.32	1.54	2.41	2.00	0.77	3.27	1.23	0.86	1.00	15.77	18.6 - 24.5 mph
0.09	0.00	0.00	0.00	0.00	0.27	0.14	0.36	1.23	1.00	0.59	0.23	0.68	0.27	0.50	0.27	5.63	> 24.5 mph