Nuclear

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February 28, 1996
6730-96-2074

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
1995 Effluent Release Report

Attached is a copy of the Oyster Creek Annual Radioactive Effluent Release Report for the period covering January through December 31, 1995. This submittal is made in accordance with 10 CFR 50.36(a)(2) and our Operating License and Technical Specifications.

If you should have any questions or require further information, please contact Ms. Brenda DeMerchant, OC Regulatory Affairs Engineer, at 609-971-4642.

Very truly yours,

Michael B Roche

Michael B. Roche
Vice President & Director
Oyster Creek

MBR/BDeM/gl

Enclosure

cc: Administrator, Region I
NRC Project Manager
NRC Resident Inspector
Chief, Bureau of Nuclear Engrg., NJ Dept. of Env. Protection

IE48

EXECUTIVE SUMMARY

Oyster Creek Nuclear Station
Effluent and Off Site Dose Report
for the Period of January 1, 1995 through December 31, 1995

This report summarizes the radioactive liquid and gaseous releases (effluents) from Oyster Creek and the calculated maximum hypothetical radiation exposure to the public resulting from these releases. This report covers the period of operation from January 1, 1995 through December 31, 1995.

Radiological releases from the plant are monitored by installed plant radiation monitors which survey the plant stack for gaseous releases to the atmosphere and outfall pipes for liquid discharges to the cooling water discharge canal. These monitors and associated sample analyses provide a means to accurately determine the type and quantities of radioactive materials being released to the environment.

Utilizing gaseous effluent data, the maximum hypothetical dose to any individual in the vicinity of the plant is calculated. Similarly, liquid effluent data are used to calculate a maximum hypothetical dose to an individual from liquid effluents for any shoreline exposure. Doses to the public from consumption of shellfish and fish withdrawn from the canal are also calculated.

Calculations of the maximum hypothetical dose to an individual from liquid and gaseous effluents are performed using a mathematical model which is based on the methods defined by the U.S. Nuclear Regulatory Commission.

The maximum hypothetical doses are conservative overestimates of the actual off site doses which are likely to occur. For example, the dose does not take into consideration the removal of radioactive material from the salt water by precipitation of insoluble salts, absorption onto sediment, or biological removal.

As of January 1, 1996, all full containers of radioactive waste in storage in the onsite low level Rad Waste Storage Facility have been accepted and disposed of at the Barnwell, South Carolina Radioactive Waste Disposal Facility. Two partially full containers remain in storage and will be shipped for disposal when full.
Concrete was used for solidification material during the reporting period.

Liquid discharges made during 1995 consisted of 0.00000022 curies of cesium 137.

Airborne discharges made during this same time period consisted of 11.79 curies of tritium, 0.00289 curies of particulates, 0.022 curies of Iodines, and 79.2 curies of noble gases.

The maximum hypothetical calculated organ dose to any individual due to gaseous effluents was about 0.02 millirem to the thyroid. The maximum hypothetical calculated whole body dose to any individual due to gaseous effluents was 0.0043 mrem.

The maximum hypothetical calculated organ dose to any individual due to liquid effluents was about 0.00000011 mrem to the liver. The maximum hypothetical calculated whole body dose to any individual due to liquid effluents was 0.000000064 mrem.

The total maximum hypothetical whole body dose of 0.0043 mrem received by any individual from effluents from the Oyster Creek Nuclear Station for the reporting period is 69767 times lower than the dose the average individual in the Oyster Creek area receives from natural background and radon (300 mrem) during the same time period. Natural background averages about 100 millirem whole body per year in the central New Jersey area. In addition, the average equivalent dose to the whole body from natural radon is about 200 millirem per year.

The doses which could be received by the maximum hypothetical individual are each less than 0.25 percent of the annual guidelines established by the Nuclear Regulatory Commission.

Maximum Offsite Dose Due To Radionuclides in Effluents January-December 1995

ODCM	4.6.6.1.4A	4.6.1.1.4.A	4.6.1.1.6.A	4.6.1.1.6.A	4.6.1.1.5.A	4.6.1.1.7.A	4.6.1.1.5A	4.6.1.1.8.A	4.6.1.1.8.A
	Liquid Dose		Air Dose	(GAS)	Whole	(Thyroid)	Skin	Whole	(Thyroid)
	WB	Organ	Beta	Gamma	Body	Orgran	Skin	Body	Organ
	mrem	mrem	mrem	mrem	mrem	mrem	mrem	mrem	mrem
1995 Total	6.4E-8	1.1E-7	3.8E-4	1.1E-3	4.3E-3	2.0E-2	8.0E-4	4.3E-3	2.0E-2
ODCM Limit	3	10	20	10	100	15	3000	25	75
Fraction of Annual Limit	2.1E-8	1.1E-8	1.9E-5	1.1E-4	4.3E-5	1.3E-3	2.6E-7	1.7E-4	2.7E-4

OYSTER CREEK NUCLEAR GENERATING STATION
LIQUID EFFLUENT RELEASES

Oyster Creek Nuclear Generating Station Policy is to strive for a zero liquid discharge of radioactive material. However, in 1995, 400 gallons of slightly contaminated demineralized water was released during a flush of the service water radiation monitor.

OFFSITE DOSE CALCULATION MANUAL

The offsite dose calculation manual was revised in 1995 to include clarification and addition of monitoring requirements to match surveillance requirements in the document.

EFFLUENT MONITORS OUT OF SERVICE GREATER THAN 30 DAYS:

There were no effluent Monitors out of service for greater than 30 days during 1995.

CHANGES TO THE PROCESS CONTROL PLAN:

There were no changes to the Process Control Plan during 1995.

Effluent and Waste Disposal Supplemental Information

FACILITY: Oyster Creek Nuclear Generating Station

LICENSEE: Owner - Jersey Central Power and Light Company
Operator - GPU Nuclear Corporation

1.) Regulatory Limits

a.) Fission and Activation Gases

Technical Specification 3.6.E.1
The gross radioactivity in noble gases discharged from the main condenser air ejector shall not exceed a 0.21/E Ci/sec after the holdup line, where E is the average gamma energy (Mev per atomic transformation).

ODCM 4.6.1.1.5.A
The dose equivalent rate outside of the EXCLUSION AREA due to radioactive noble gas in gaseous effluent shall not exceed 500 mrem/year to the total body or 3000 mrem/year to the skin. A value of 100 millirem total body is used due to the January 1, 1994 revision of 10 CRF20.

ODCM 4.6.1.1.6.A
The air dose outside of the EXCLUSION AREA due to noble gas released in gaseous effluent shall not exceed:

5 mrad/calendar quarter due to gamma radiation,
10 mrad/calendar quarter due to beta radiation,
10 mrad/calendar year due to gamma radiation, or
20 mrad/calendar year due to beta radiation

ODCM 4.6.1.1.8.A
The annual dose to a MEMBER OF THE PUBLIC due to radiation and radioactive material in effluents from the OCNGS outside of the EXCLUSION AREA shall not exceed 75 mrem to his thyroid or 25 mrem to his total body or to any other organ.

b. Iodines and Particulates

ODCM 4.6.1.1.5.B
The dose equivalent rate outside of the EXCLUSION AREA due to H-3, I-131, I-133, and to radioactive material in particulates having half-lives of 8 days or more in gaseous effluents shall not exceed 1500 mrem/year to any body organ when the dose rate due to H-3, Sr-89, Sr-90, and alpha-emitting radionuclides is averaged over no more than 3 months and the dose rate due to other radionuclides is averaged over no more than 31 days.

ODCM 4.6.1.1.7.A
The dose to a MEMBER OF THE PUBLIC from iodine-131, iodine-133, and from radionuclides in particulate form having half-lives of 8 days or more in gaseous effluents, outside of the EXCLUSION AREA shall not exceed 7.5 mrem to any body organ per calendar quarter or 15 mrem to any body organ per calendar year.

c. Liquid Effluents

ODCM 4.6.1.1.3.A
The concentration of radioactive material, other than noble gases, in liquid effluent in the discharge canal at the Route 9 bridge shall not exceed the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2.

ODCM 4.6.1.1.3.B
The concentration of noble gases dissolved or entrained in liquid effluent in the discharge canal at the Route 9 bridge shall not exceed 2×10^{-4} microcuries/milliliter.

ODCM 4.6.1.1.4.A
The dose to a MEMBER OF THE PUBLIC due to radioactive material in liquid effluents beyond the outside of the EXCLUSION AREA shall not exceed:

1.5 mrem to the total body during any calendar quarter,
5 mrem to any body organ during any calendar quarter,
3 mrem to the total body during any calendar year, or
10 mrem to any body organ during any calendar year.

2.) Derived Air Concentrations (DAC)

a. Fission and Activation Gases:

Appendix B, Table II, Column 1 of 10 CFR 20

b. Iodines and Particulates:

Appendix B. Table II, Column 1 of 10 CFR 20

c. Liquid Effluents:

Appendix B. Table II, Column 2 of 10 CFR 20, except for dissolved or entrained noble gases where the limit is 2×10^{-4}uCi/ml

3.) Measurements and Approximation of Total Radioactivity

a. Fission and Activation Gases:

1. Stack

The continuous recording of gross activity and the incorporation of isotopic data obtained from a weekly grab sample analyzed using gamma spectroscopy.

2. Augmented Offgas (AOG) Vent

The continuous recording of gross activity and the incorporation of isotopic data obtained from a monthly grab sample analyzed using gamma spectroscopy.

3. Turbine Building Stack and Feedpump Room Vent

The continuous recording of gross activity and the incorporation of isotopic data obtained from a monthly grab sample analyzed using gamma spectroscopy.

b. Iodines

1. Stack

Filters are changed weekly and analyzed using gamma spectroscopy.

2. AOG Vent

Filters are changed weekly and analyzed using gamma spectroscopy.

3. Turbine Building Stack and Feedpump Room Vent

Filters are changed weekly and analyzed using gamma spectroscopy.

c. Particulates

1. Stack

Filters are changed weekly and analyzed using a low background beta counter and gamma spectroscopy.

2. AOG Vent

Filters are changed weekly and analyzed using gamma spectroscopy.

3. Turbine Building Stack and Feedpump Room Vent

Filters are changed weekly and analyzed using gamma spectroscopy.

d. Liquid Effluents

Analysis per batch release using gamma spectrometry with a germanium detector, a low background beta counter, and a liquid scintillation counter.

OYSTER CREEK NUCLEAR GENERATING STATION
FIRST QUARTER 1995
GASEOUS EFFLUENT ELEVATED RELEASES

FISSION GASES	QUANTITY (ci) *
KR85M	1.23E+00
KR87	6.22E+00
KR88	2.82E+00
XE133	6.69E-03
XE135	9.62E+00

Total Fission Gases Released:	1.99E+01 ci
Gamma Ebar	0.6546 Mev
Average Rate of Release:	2.56E+00 uCi/sec

IODINES	QUANTITY (ci)
I131	5.97E-04
I133	4.29E-03

Total Iodines Released:	4.89E-03 ci
Average Rate of Release:	6.29E-04 uCi/sec

PARTICULATES	QUANTITY (ci)
CR51	5.22E-05
MN54	6.10E-06
CO58	4.41E-05
CO60	2.79E-04
SR89	1.09E-04
CS137	9.77E-06
BA140	3.14E-05

Total Particulates Released:	5.32E-04 ci
Average Rate of Release:	6.84E-05 uCi/sec

RADIONUCLIDE	QUANTITY (ci)
H3	1.07E+01

Avg. Rate of Release for H3:	1.37E+00 uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
FIRST QUARTER 1995
GASEOUS EFFLUENT GROUND-LEVEL RELEASES

FISSION GASES	QUANTITY (ci) *	
Total Fission Gases Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

IODINES	QUANTITY (ci)	
I131	2.37E-06	
I133	4.62E-05	
Total Iodines Released:	4.85E-05	ci
Average Rate of Release:	6.24E-06	uCi/sec

PARTICULATES	QUANTITY (ci)	
Total Particulates Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

RADIONUCLIDE	QUANTITY (ci)	
H3	0.00E+00	
Avg. Rate of Release for H3:	0.00E+00	uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
SECOND QUARTER 1995
GASEOUS EFFLUENT ELEVATED RELEASES

FISSION GASES	QUANTITY (ci) *
KR85M	1.18E+00
KR87	6.03E+00
KR88	3.10E+00
XE133	2.13E-01
XE135	9.48E+00

Total Fission Gases Released:	2.00E+01 ci
Gamma Ebar:	0.6693 Mev
Average Rate of Release:	2.54E+00 uCi/sec

IODINES	QUANTITY (ci)
I131	4.98E-04
I133	3.64E-03

Total Iodines Released:	4.14E-03 ci
Average Rate of Release:	5.27E-04 uCi/sec

PARTICULATES	QUANTITY (ci)
CO58	9.40E-05
CO60	1.26E-04
SR89	2.64E-04
SR90	6.34E-06
BA140	6.59E-05

Total Particulates Released:	5.57E-04 ci
Average Rate of Release:	7.08E-05 uCi/sec

RADIONUCLIDE	QUANTITY (ci)
H3	7.08E-01

Avg. Rate of Release for H3:	9.00E-02 uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
SECOND QUARTER 1995
GASEOUS EFFLUENT GROUND-LEVEL RELEASES

FISSION GASES	QUANTITY (ci) *	
Total Fission Gases Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

IODINES	QUANTITY (ci)	
I131	2.31E-06	
I133	1.26E-05	
Total Iodines Released:	1.49E-05	ci
Average Rate of Release:	1.89E-06	uCi/sec

PARTICULATES	QUANTITY (ci)	
SR89	4.47E-06	
CS137	2.73E-08	
Total Particulates Released:	4.50E-06	ci
Average Rate of Release:	5.72E-07	uCi/sec

RADIONUCLIDE	QUANTITY (ci)	
H3	0.00E+00	
Avg. Rate of Release for H3:	0.00E+00	uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
THIRD QUARTER 1995
GASEOUS EFFLUENT ELEVATED RELEASES

FISSION GASES	QUANTITY (ci) *
KR85M	1.27E+00
KR87	6.70E+00
KR88	3.18E+00
XE135M	8.94E-01
XE135	1.02E+01

Total Fission Gases Released:	2.23E+01 ci
Gamma Ebar:	0.6583 Mev
Average Rate of Release:	2.80E+00 uCi/sec

IODINES	QUANTITY (ci)
I131	7.59E-04
I133	6.39E-03

Total Iodines Released:	7.15E-03 ci
Average Rate of Release:	9.00E-04 uCi/sec

PARTICULATES	QUANTITY (ci)
CR51	2.60E-04
CO58	6.86E-05
CO60	2.04E-04
SR89	3.57E-04
BA140	1.52E-04
GROSSA	2.36E-06

Total Particulates Released:	1.04E-03 ci
Average Rate of Release:	1.31E-04 uCi/sec

RADIONUCLIDE	QUANTITY (ci)
H3	2.59E-01

Avg. Rate of Release for H3:	3.26E-02 uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
THIRD QUARTER 1995
GASEOUS EFFLUENT GROUND-LEVEL RELEASES

FISSION GASES	QUANTITY (ci) *	
Total Fission Gases Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

IODINES	QUANTITY (ci)	
I131	8.54E-07	
I133	3.57E-05	
Total Iodines Released:	3.65E-05	ci
Average Rate of Release:	4.60E-06	uCi/sec

PARTICULATES	QUANTITY (ci)	
CO60	5.69E-07	
CS137	1.11E-06	
Total Particulates Released:	1.68E-06	ci
Average Rate of Release:	2.12E-07	uCi/sec

RADIONUCLIDE	QUANTITY (ci)	
H3	0.00E+00	
Avg. Rate of Release for H3:	0.00E+00	uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
FOURTH QUARTER 1995
GASEOUS EFFLUENT ELEVATED RELEASES

FISSION GASES	QUANTITY (ci) *
KR85M	1.04E+00
KR87	5.33E+00
KR88	2.41E+00
XE135	8.19E+00
Total Fission Gases Released:	1.70E+01 ci
Gamma Ebar:	0.6181 Mev
Average Rate of Release:	2.13E+00 uCi/sec

IODINES	QUANTITY (ci)
I131	1.15E-03
I133	4.97E-03
Total Iodines Released:	6.12E-03 ci
Average Rate of Release:	7.70E-04 uCi/sec

PARTICULATES	QUANTITY (ci)
CR51	1.16E-04
MN54	1.00E-05
CO58	8.89E-05
CO60	1.23E-04
SR89	2.58E-04
BA140	9.94E-05
Total Particulates Released:	6.96E-04 ci
Average Rate of Release:	8.76E-05 uCi/sec

RADIONUCLIDE	QUANTITY (ci)
H3	1.24E-01
Avg. Rate of Release for H3:	1.56E-02 uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
FOURTH QUARTER 1995
GASEOUS EFFLUENT GROUND-LEVEL RELEASES

FISSION GASES	QUANTITY (ci) *	
Total Fission Gases Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

IODINES	QUANTITY (ci)	
I131	1.71E-06	
I133	4.62E-06	
Total Iodines Released:	6.33E-06	ci
Average Rate of Release:	7.96E-07	uCi/sec

PARTICULATES	QUANTITY (ci)	
Total Particulates Released:	0.00E+00	ci
Average Rate of Release:	0.00E+00	uCi/sec

RADIONUCLIDE	QUANTITY (ci)	
H3	0.00E+00	
Avg. Rate of Release for H3:	0.00E+00	uCi/sec

* Quantity of noble gases derived from gross activity.

OYSTER CREEK NUCLEAR GENERATING STATION
1995
LIQUID EFFLUENTS

NUCLIDE RELEASED	QUANTITY (Ci)
CS137	2.23E-07
Total	2.23E-07
NOBLE GASES	
Total	0.00E+00
TRITIUM	0.00E+00
GROSS ALPHA	0.00E+00

Volume of Waste Released Prior to Dilution: 4.00E+02 gal
Volume of Dilution Water Released: 9.20E+07 gal

SOLID WASTE SHIPPED OFFSITE FOR DISPOSAL DURING PERIOD FROM 01/01/95 TO 12/31/95

WASTE STREAM: Resins, Filters, & Evap Bottoms

WASTE CLASS	VOLUME		CURIES SHIPPED	% ERROR (Ci)
	FT^3	M^3		
A	4158	117.7	2.56E2	+/-25%
B	970.6	27.5	1.29E2	+/-25%
C	0	0	0	+/-25%
All	5128.6	145.2	3.85E2	+/-25%

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: Resins, Filters, & Evap Bottoms

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A	Co-60	45.807%	1.17E2
	Fe-55	34.356%	8.80E1
	Cs-137	10.904%	2.79E1
	Mn-54	5.833%	1.49E1
	Ni-63	.894%	2.29E0
	Sr-90	.082%	2.10E-1
	Pu-241	.070%	1.79E-1
	C-14	.018%	4.61E-2
	Ni-59	.016%	4.1E-2
	H-3	.013%	3.33E-2
	Cm-242	.000%	2.59E-4
	I-129	<LLD	0.00E+0
	Tc-99	<LLD	0.00E+0

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: Resins, Filters, and Evap Bottoms

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
B	Cs-137	33.468%	4.32E1
	Co-60	32.096%	4.14E1
	Fe-55	27.063%	3.49E1
	Mn-54	2.803%	3.62E0
	Cs-134	1.249%	1.61E0
	Ni-63	.704%	9.08E-1
	Sr-90	.456%	5.88E-1
	H-3	.400%	5.16E-1
	Pu-241	.277%	3.57E-1
	C-14	.231%	2.98E-1
	Ni-54	.008%	1.03E-2
	Cm-242	.000%	2.43E-4
	I-129	<LLD	0.00E0
	Tc-99	<LLD	0.00E0

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: Resins, Filters, and Evap Bottoms

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A11	Co-60	41.893%	1.61E2
	Fe-55	32.274%	1.24E2
	Cs-137	17.346%	6.68E1
	Mn-54	4.968%	1.91E1
	Ni-63	.840%	3.23E0
	Sr-90	.189%	7.28E-1
	Pu-241	.129%	4.97E-1
	H-3	.124%	4.77E-1
	C-14	.079%	3.04E-1
	Ni-59	.014%	5.39E-2
	Cm-242	.000%	5.02E-4
	I-129	<LLD	0.00E0
	Tc-99	LLD	0.00E0

SOLID WASTE SHIPPED OFFSITE FOR DISPOSAL DURING PERIOD FROM 01/01/95 TO 12/31/95

Waste Stream: LIQ-O-NA Evap Bottoms that was sent to an Offsite Reprocessor for further volume reduction.

WASTE CLASS	VOLUME		CURIES SHIPPED	% ERROR (CI)
	FT^3	M^3		
A	194.1	5.5	2.70E+0	+/-25%
B	194.1	5.5	9.62E+0	+/-25%
C	0	0	0	+/-25%
A11	388.2	11.0	1.23E+1	+/-25%

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM WITH 1% CUTOFF

Waste Stream: Other Waste:

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A	Cs-137	93.333%	2.52E+00
	Cs-134	3.741%	1.01E-01
	Co-60	2.296%	6.20E-02
	Ni-63	.142%	3.83E-03
	Sr-90	.069%	1.85E-03
	C-14	.002%	4.73E-03
	I-129	<LLD>	0.00E+00
	Tc-99	<LLD>	0.00E+00
	H-3	<LLD>	0.00E+00

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM WITH 1% CUTOFF

Waste Stream: Other Waste:

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
B	Cs-137	95.426%	9.18E+00
	Cs-134	3.815%	3.67E-01
	Co-60	.542%	5.21E-02
	Sr-90	.070%	6.72E-03
	Ni-63	.033%	3.22E-03
	C-14	.000%	3.98E-05
	I-129	<LLD>	0.00E+00
	Tc-99	<LLD>	0.00E+00
	H-3	<LLD>	0.00E+00

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM WITH 1% CUTOFF

Waste Stream: Other Waste:

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A11	Cs-137	94.968%	1.17E+01
	Cs-134	3.799%	4.68E-01
	Co-60	.926%	1.14E-01
	Sr-90	.070%	8.57E-03
	Ni-63	.057%	7.05E-03
	C-14	.001%	8.71E-5
	I-129	<LLD>	0.00E+00
	Tc-99	<LLD>	0.00E+00
	H-3	<LLD>	0.00E+00

SOLID WASTE SHIPPED OFFSITE FOR DISPOSAL DURING PERIOD FROM 01/01/95 TO 12/31/95

Waste Stream: HI-RAD TRASH (DAW) shipped direct to Burial Ground

WASTE CLASS	VOLUME		CURIES SHIPPED	% ERROR (CI)
	FT^3	M^3		
A	380.9	10.8	1.69E+0	+/-25%
B	0	0	0	+/-25%
C	0	O	O	+/-25%
A11	380.9	10.8	1.69E+0	+/-25%

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: Hi-Rad Trash (DAW)

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A	Co-60	39.284%	6.64E-1
	Fe-55	37.691%	6.37E-1
All	Cs-137	10.397%	1.76E-1
	Mn-54	7.016%	1.19E-1
	Co-58	1.726%	2.91E-2
	Zn-65	1.152%	1.95E-2
	Cr-51	1.021%	1.72E-2
	Ni-63	.617%	1.04E-2
	Sr-90	.071%	1.20E-3
	Pu-241	.031%	5.27E-4
	Ni-59	.010%	1.62E-4
	Cm-242	0.00%	4.35E-6
	I-129	<LLD	O.OOE0
	Tc-99	<LLD	0.00E0
	C-14	<LLD>	0.00E0
	H-3	<LLD>	0.00E0

SOLID WASTE SHIPPED OFFSITE FOR DISPOSAL DURING PERIOD FROM 01/01/95 TO 12/31/95

Waste Stream: DRY ACTIVE WASTE sent to a Reprocessor

WASTE CLASS	VOLUME		CURIES SHIPPED	% ERROR (CI)
	FT^3	M^3		
A	5237.5	148.22	5.49E-1	+/-25%
B	0	0	0	+/-25%
C	0	O	O	+/-25%
A11	5237.5	148.22	5.49E-1	+/-25%

NOTE: This material was sent to a Reprocessor for further volume reduction prior to burial.

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: DRY ACTIVE WASTE sent to a Reprocessor

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A	Co-60	39.43%	2.16E-1
	Fe-55	37.83%	2.08E-1
A11	Cs-137	10.42%	5.72E-2
	Mn-54	7.01%	3.85E-2
	Co-58	1.74%	9.55E-3
	Zn-65	1.15%	6.32E-3
	Cr-51	1.03%	5.65E-3
	H-3	<LLD>	0.00
	C-14	<LLD>	0.00
	Tc-99	<LLD>	0.00
	I-129	<LLD>	0.00

Waste Stream: SUM OF ALL CATEGORIES

WASTE CLASS	VOLUME		CURIES SHIPPED	% ERROR (CI)
	FT^3	M^3		
A	9970.5	282.22	2.61E2	+/-25%
B	1164.7	33.0	1.39E2	+/-25%
C	0	0	0	+/-25%
All	11135.2	315.22	4.00E2	+/-25%

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: SUM OF ALL CATEGORIES

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
A	Co-60	46.1%	1.18E2
	Fe-55	34.69%	8.88E1
	Cs-137	11.99%	3.07E1
	Mn-54	5.898%	1.51E1
	Ni-63	0.898%	2.30E0
	Sr-90	0.083%	2.13E-1
	Pu-241	0.070%	1.80E-1
	C-14	0.018%	4.62E-2
	Ni-59	0.016%	4.12E-2
	H-3	0.013%	3.33E-2
	Cm-242	0.00%	2.63E-4
	I-129	<LLD	0.00
	Tc-99	<LLD	0.00

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

Waste Stream: SUM OF ALL CATEGORIES

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
B	Cs-137	38.248%	5.24E1
	Co-60	30.292%	4.15E1
	Fe-55	25.474%	3.49E1
	Mn-54	2.642%	3.62E0
	Cs-134	1.445%	1.98E0
	Ni-63	0.665%	9.11E-1
	Sr-90	0.434%	5.95E-1
	H-3	0.377%	5.16E-1
	Pu-241	0.261%	3.57E-1
	C-14	0.218%	2.98E-1
	Ni-59	0.008%	1.03E-2
	Cm-242	0.000%	2.43E-4
	Tc-99	<LLD	0
	I-129	<LLD	0

ESTIMATES OF MAJOR NUCLIDES BY WASTE CLASS AND STREAM with 1% Cutoff

WASTE CLASS	NUCLIDE NAME	PERCENT ABUNDANCE	CURIES
All	Co-60	40.585%	1.62E2
	Fe-55	31.476%	1.24E2
	Cs-137	21.145%	8.31E1
	Mn-54	4.738%	1.86E1
	Ni-63	0.817%	3.211E0
	C-134	0.529%	2.08E0
	C-14	0.224%	8.81E-1
	Sr-90	0.206%	8.08E-1
	H-3	0.153%	6.01E-1
	Pu-241	0.137%	5.37E-1
	Ni-59	0.013%	5.15E-2
	Cm-242	0.00%	5.06E-4
	Tc-99	<LLD>	0
	I-129	<LLD	0

SOLID WASTE DISPOSITION SUMMARY
DURING PERIOD FROM 01/01/95 TO 12/31/95

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
30	TRUCK	Barnwell, SC
0	TRUCK	Richland, WA
3	TRUCK	Oak Ridge, TN

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS A

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	1	5	47	53	1	0	107
NNE	SSW	1	12	35	20	2	0	70
NE	SW	0	19	38	7	1	0	65
ENE	WSW	1	12	46	3	0	0	62
E	W	0	20	53	20	5	0	98
ESE	WNW	1	19	97	61	1	0	179
SE	NW	1	21	107	42	0	0	171
SSE	NNW	1	12	40	3	0	0	56
S	N	0	6	14	0	0	0	20
SSW	NNE	0	9	17	1	0	0	27
SW	NE	0	14	55	2	0	0	71
WSW	ENE	0	22	126	10	0	0	158
W	E	0	30	72	1	0	0	103
WNW	ESE	0	42	44	2	0	0	88
NW	SE	0	29	105	3	0	0	137
NNW	SSE	1	8	59	19	0	0	87
TOTAL		7	280	955	247	10	0	1499

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS B

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	0	8	24	13	0	0	45
NNE	SSW	0	6	22	7	0	0	35
NE	SW	0	10	13	1	0	0	24
ENE	WSW	1	12	11	0	0	0	24
E	W	0	19	23	7	0	0	49
ESE	WNW	0	6	28	13	0	0	47
SE	NW	0	17	21	10	0	0	48
SSE	NNW	0	11	10	1	0	0	22
S	N	0	13	6	0	0	0	19
SSW	NNE	0	12	5	1	0	0	18
SW	NE	2	16	12	0	0	0	30
WSW	ENE	1	16	17	1	0	0	35
W	E	1	14	11	0	0	0	26
WNW	ESE	0	17	13	0	0	0	30
NW	SE	0	12	14	0	0	0	26
NNW	SSE	1	10	18	3	0	0	32
TOTAL		6	199	248	57	0	0	510

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS C

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	1	3	13	5	1	0	23
NNE	SSW	1	1	4	4	0	0	10
NE	SW	2	2	5	0	0	0	9
ENE	WSW	1	7	9	0	0	0	17
E	W	0	7	6	3	0	0	16
ESE	WNW	0	6	18	8	0	0	32
SE	NW	0	8	10	4	0	0	22
SSE	NNW	0	3	5	0	0	0	8
S	N	0	6	1	0	0	0	7
SSW	NNE	0	10	1	0	0	0	11
SW	NE	0	15	3	0	0	0	18
WSW	ENE	0	7	9	0	0	0	16
W	E	0	6	2	0	0	0	8
WNW	ESE	0	4	3	0	0	0	7
NW	SE	0	8	7	0	0	0	15
NNW	SSE	0	6	3	1	0	0	10
TOTAL		5	99	99	25	1	0	229

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS D

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	9	58	70	30	9	0	176
NNE	SSW	12	38	75	26	0	1	152
NE	SW	11	35	26	20	0	0	92
ENE	WSW	10	44	36	6	0	0	96
E	W	20	32	51	17	2	0	122
ESE	WNW	21	45	86	35	1	0	188
SE	NW	14	80	72	25	1	0	192
SSE	NNW	20	83	44	1	1	0	149
S	N	14	75	17	1	0	0	107
SSW	NNE	24	80	27	0	0	0	131
SW	NE	29	156	87	1	0	0	273
WSW	ENE	18	78	88	11	1	0	196
W	E	13	53	25	1	0	0	92
WNW	ESE	3	25	21	2	0	0	51
NW	SE	15	48	13	5	0	0	81
NNW	SSE	7	64	31	15	1	0	118
TOTAL		240	994	769	196	16	1	2216

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS E

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	35	84	51	14	5	0	189
NNE	SSW	26	131	88	16	2	0	263
NE	SW	32	123	50	5	0	0	210
ENE	WSW	45	181	41	2	0	0	269
E	W	26	155	25	3	0	0	209
ESE	WNW	27	151	115	12	0	0	305
SE	NW	47	127	66	6	0	0	246
SSE	NNW	31	102	19	0	0	0	152
S	N	20	52	12	0	0	0	84
SSW	NNE	22	27	22	1	0	0	72
SW	NE	24	43	29	8	0	0	104
WSW	ENE	15	45	17	8	1	0	86
W	E	11	37	11	2	0	0	61
WNW	ESE	12	23	9	2	0	0	46
NW	SE	18	27	10	5	0	0	60
NNW	SSE	16	43	35	4	5	1	104
TOTAL		407	1351	600	88	13	1	2460

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS F

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	22	9	0	0	0	0	31
NNE	SSW	30	23	0	1	0	0	54
NE	SW	23	58	1	0	0	0	82
ENE	WSW	34	100	2	0	0	0	136
E	W	56	87	3	0	0	0	146
ESE	WNW	32	66	1	0	0	0	99
SE	NW	33	48	4	0	0	0	85
SSE	NNW	29	48	0	0	0	0	77
S	N	7	7	0	0	0	0	14
SSW	NNE	10	0	0	0	0	0	10
SW	NE	7	1	2	0	0	0	10
WSW	ENE	6	6	0	1	1	0	14
W	E	5	1	0	0	0	0	6
WNW	ESE	5	1	1	0	0	0	7
NW	SE	6	3	2	0	0	0	11
NNW	SSE	18	9	0	0	0	0	27
TOTAL		323	467	16	2	1	0	809

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS G

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	21	3	0	0	0	0	24
NNE	SSW	21	6	0	0	0	0	27
NE	SW	51	20	0	0	0	0	71
ENE	WSW	123	114	1	2	0	0	240
E	W	188	67	0	1	0	0	256
ESE	WNW	106	23	0	1	0	0	130
SE	NW	96	27	0	0	0	0	123
SSE	NNW	52	41	0	0	0	0	93
S	N	20	6	0	0	0	0	26
SSW	NNE	13	1	0	0	0	0	14
SW	NE	4	0	0	0	0	0	4
WSW	ENE	1	1	0	0	0	0	2
W	E	9	2	0	0	0	0	11
WNW	ESE	2	0	0	0	0	0	2
NW	SE	6	0	0	0	0	0	6
NNW	SSE	6	0	0	0	0	0	6
TOTAL		719	311	1	4	0	0	1035

OYSTER CREEK 33 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS ALL

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	89	170	205	115	16	0	595
NNE	SSW	91	217	224	74	4	1	611
NE	SW	119	267	133	33	1	0	553
ENE	WSW	215	470	146	13	0	0	844
E	W	290	387	161	51	7	0	896
ESE	WNW	187	316	345	130	2	0	980
SE	NW	191	328	280	87	1	0	887
SSE	NNW	133	300	118	5	1	0	557
S	N	61	165	50	1	0	0	277
SSW	NNE	69	139	72	3	0	0	283
SW	NE	66	245	188	11	0	0	510
WSW	ENE	41	175	257	31	3	0	507
W	E	39	143	121	4	0	0	307
WNW	ESE	22	112	91	6	0	0	231
NW	SE	45	127	151	13	0	0	336
NNW	SSE	49	140	146	42	6	1	384
TOTAL		1707	3701	2688	619	41	2	8758

Hours of Missing/Invalid Data: 2

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS A

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	0	0	0	0	4	0	4
NNE	SSW	0	0	0	3	1	0	4
NE	SW	0	0	2	3	0	0	5
ENE	WSW	0	0	0	4	0	1	5
E	W	0	0	2	6	6	0	14
ESE	WNW	0	1	0	6	7	4	18
SE	NW	0	0	1	7	6	9	23
SSE	NNW	0	0	0	3	3	0	6
S	N	0	0	0	1	0	0	1
SSW	NNE	0	0	0	1	1	0	2
SW	NE	0	0	0	10	2	0	12
WSW	ENE	0	0	2	4	3	1	10
W	E	0	1	1	1	0	0	3
WNW	ESE	0	0	0	0	0	0	0
NW	SE	0	0	3	3	0	0	6
NNW	SSE	0	0	1	3	1	0	5
TOTAL		0	2	12	55	34	15	118

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS B

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	0	1	2	18	8	0	29
NNE	SSW	0	0	0	7	3	1	11
NE	SW	0	1	2	7	3	0	13
ENE	WSW	0	0	9	16	0	1	26
E	W	0	0	3	9	2	5	19
ESE	WNW	0	0	3	19	19	8	49
SE	NW	0	0	2	21	11	7	41
SSE	NNW	0	0	3	4	1	0	8
S	N	0	0	0	1	0	0	1
SSW	NNE	0	0	0	0	3	0	3
SW	NE	0	0	3	21	3	0	27
WSW	ENE	0	0	17	26	7	1	51
W	E	0	0	7	2	1	0	10
WNW	ESE	0	2	14	3	1	0	20
NW	SE	0	0	11	5	0	0	16
NNW	SSE	0	0	4	24	3	0	31
TOTAL		0	4	80	183	65	23	355

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS C

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	0	0	7	21	7	1	36
NNE	SSW	0	2	5	19	9	4	39
NE	SW	0	1	10	8	3	1	23
ENE	WSW	0	4	8	16	2	1	31
E	W	0	1	18	21	8	6	54
ESE	WNW	0	2	10	32	36	20	100
SE	NW	0	2	18	23	23	11	77
SSE	NNW	0	1	6	11	3	1	22
S	N	0	0	3	4	0	0	7
SSW	NNE	0	0	4	2	1	0	7
SW	NE	0	1	9	16	9	1	36
WSW	ENE	0	1	24	33	5	1	64
W	E	0	2	20	8	0	0	30
WNW	ESE	0	1	16	6	1	0	24
NW	SE	0	1	24	8	0	0	33
NNW	SSE	0	0	13	22	1	0	36
TOTAL		0	19	195	250	108	47	619

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS D

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	2	23	75	104	42	32	278
NNE	SSW	2	27	45	118	67	28	287
NE	SW	3	21	43	41	23	13	144
ENE	WSW	4	16	49	61	24	10	164
E	W	5	25	33	71	45	33	212
ESE	WNW	2	25	45	107	119	87	385
SE	NW	5	28	68	119	92	57	369
SSE	NNW	2	14	58	73	26	5	178
S	N	2	26	68	28	11	0	135
SSW	NNE	7	27	86	54	8	0	182
SW	NE	5	30	108	154	50	18	365
WSW	ENE	8	26	104	102	69	31	340
W	E	4	39	65	30	6	3	147
WNW	ESE	4	40	60	35	12	4	155
NW	SE	9	45	77	21	4	5	161
NNW	SSE	5	13	84	32	5	15	154
TOTAL		69	425	1068	1150	603	341	3656

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS E

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	3	7	34	54	38	17	153
NNE	SSW	2	10	38	125	103	21	299
NE	SW	4	10	27	56	91	15	203
ENE	WSW	2	4	22	49	83	12	172
E	W	2	7	24	63	77	16	189
ESE	WNW	0	7	20	56	168	27	278
SE	NW	4	8	20	65	86	12	195
SSE	NNW	2	13	19	57	63	7	161
S	N	3	7	21	50	11	2	94
SSW	NNE	3	7	27	19	4	0	60
SW	NE	2	9	16	21	12	10	70
WSW	ENE	5	12	12	40	7	6	82
W	E	4	16	15	24	6	6	71
WNW	ESE	0	9	15	14	4	2	44
NW	SE	6	12	9	8	10	7	52
NNW	SSE	1	12	40	21	13	30	117
TOTAL		43	150	359	722	776	190	2240

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS F

SECTOR WINDS TO	FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	2	3	27	9	3	0	44
NNE	SSW	1	2	19	49	18	3	92
NE	SW	3	3	23	38	39	17	123
ENE	WSW	3	8	16	21	38	17	103
E	W	0	3	6	32	50	29	120
ESE	WNW	1	3	11	39	48	14	116
SE	NW	0	5	15	41	37	13	111
SSE	NNW	1	4	10	35	44	6	100
S	N	0	5	11	33	22	4	75
SSW	NNE	1	2	7	24	0	0	34
SW	NE	0	6	17	11	1	0	35
WSW	ENE	0	2	6	6	0	0	14
W	E	0	8	5	2	0	0	15
WNW	ESE	1	10	4	4	1	0	20
NW	SE	2	4	8	5	1	0	20
NNW	SSE	1	3	5	11	5	1	26
TOTAL		16	71	190	360	307	104	1048

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS G

SECTOR WINDS		WIND SPEED						
TO	FROM	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	3	8	14	6	3	0	34
NNE	SSW	3	6	19	18	10	3	59
NE	SW	6	18	28	30	8	5	95
ENE	WSW	3	11	17	15	31	4	81
E	W	2	8	16	27	36	14	103
ESE	WNW	2	6	13	20	13	2	56
SE	NW	2	6	13	20	11	0	52
SSE	NNW	4	6	11	13	4	1	39
S	N	1	12	14	21	9	0	57
SSW	NNE	3	2	7	13	3	0	28
SW	NE	1	3	18	12	1	0	35
WSW	ENE	1	4	11	1	0	0	17
W	E	2	2	12	7	0	0	23
WNW	ESE	1	2	10	2	1	0	16
NW	SE	1	3	4	2	0	0	10
NNW	SSE	1	1	9	3	0	0	14
TOTAL		36	98	216	210	130	29	719

OYSTER CREEK 380 FOOT DATA
JOINT FREQUENCY TABLES
VERSION: 93.2 PRINTED 01-16-1996

HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 95010100 TO 95123123
STABILITY CLASS ALL

SECTOR TO	WINDS FROM	WIND SPEED 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	S	10	42	159	212	105	50	578
NNE	SSW	8	47	126	339	211	60	791
NE	SW	16	54	135	183	167	51	606
ENE	WSW	12	43	121	182	178	46	582
E	W	9	44	102	229	224	103	711
ESE	WNW	5	44	102	279	410	162	1002
SE	NW	11	49	137	296	266	109	868
SSE	NNW	9	38	107	196	144	20	514
S	N	6	50	117	138	53	6	370
SSW	NNE	14	38	131	113	20	0	316
SW	NE	8	49	171	245	78	29	580
WSW	ENE	14	45	176	212	91	40	578
W	E	10	68	125	74	13	9	299
WNW	ESE	6	64	119	64	20	6	279
NW	SE	18	65	136	52	15	12	298
NNW	SSE	8	29	156	116	28	46	383
TOTAL		164	769	2120	2930	2023	749	8755

Hours of Missing/Invalid Data: 5