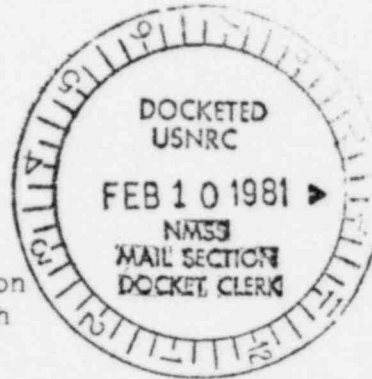


POR 40-1341
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

February 2, 1981



Mr. Ross A. Scarano
U.S. Nuclear Regulatory Commission
Uranium Recovery Licensing Branch
Mail Stop SS 483
7914 Eastern Avenue
Silver Spring, Maryland 20910

Dear Mr. Scarano:

In the Matter of the)
Tennessee Valley Authority)

Docket No. 40-1341

This letter is in response to a request for information by
George Gnugnoli of your staff on January 27, 1981.

Enclosure 1 is a 3-year joint frequency distribution (JFD) for the
period from March 24, 1977, to March 23, 1980, for all hours. Enclosure 2
is a JFD for the period from May 1, 1977, to October 31, 1979, for only
the months from May through October, and only during the hours from
8 a.m. through 5 p.m.

The information on JFD's of the 10-meter level winds at the Edgemont
meteorological facility is identical to the information provided for
transmittal to the Oak Ridge National Laboratory as an enclosure to
my October 22, 1980, letter to you.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosures

8102230698

An Equal Opportunity Employer

FEB 11 1981 1240S

JOINT PERCENTAGE FREQUENCIES OF AIR SPEED BY DIRECTION-- DISPERSED AREA STABILITY CLASS

METEOROLOGICAL FACILITY

MAR 24, 77 - MAR 23, 80

DIRECTION	4100 SPEED (MPH)										TOTAL
	0.5-1.2	1.3-2.2	2.3-3.2	3.3-4.2	4.3-5.2	5.3-6.2	6.3-7.2	7.3-8.2	8.3-9.2	9.3-10.2	
N	0.00	0.56	0.32	0.61	0.20	0.21	0.04	0.01	0.0	1.48	
NNE	0.00	0.70	0.61	0.41	0.16	0.14	0.03	0.01	0.0	1.50	
NE	0.13	0.94	0.47	0.21	0.43	0.43	0.11	0.01	0.0	2.30	
NNE	0.10	1.00	0.57	0.51	1.03	1.03	0.52	0.06	0.0	3.89	
E	0.12	0.59	1.23	1.48	4.43	4.43	3.17	0.32	0.01	11.76	
ESE	0.00	0.53	0.75	1.14	3.44	3.44	1.70	0.11	0.0	7.93	
SE	0.00	0.60	0.71	0.80	2.04	2.04	0.59	0.09	0.01	5.09	
SSE	0.14	1.49	1.04	0.74	0.87	0.87	0.34	0.04	0.0	4.77	
S	0.30	4.20	2.04	0.67	0.44	0.44	0.12	0.01	0.0	7.86	
SSE	0.17	1.84	0.75	0.21	0.32	0.32	0.09	0.02	0.0	3.29	
S	0.11	0.95	0.36	0.21	0.30	0.30	0.15	0.03	0.0	2.11	
SSW	0.12	1.22	0.21	0.33	0.50	0.50	0.32	0.04	0.01	3.99	
W	0.00	0.41	0.85	1.51	1.80	1.80	0.69	0.11	0.0	12.89	
WSW	0.18	2.24	3.10	2.24	3.97	3.97	2.52	0.82	0.26	15.64	
W	0.17	1.78	2.63	1.48	2.61	2.61	1.96	0.94	0.35	11.32	
WNW	0.13	1.19	0.30	0.46	0.72	0.72	0.26	0.05	0.0	3.77	
SUB-TOTAL	2.30	20.75	19.54	12.50	23.30	23.30	12.71	2.72	0.69	99.59	

TOTAL HOURS OF VALID ABE OBSERVATIONS

TOTAL HOURS OF OBSERVATIONS

RECOVERABILITY PERCENTAGE

TOTAL HOURS CALY

24544
26304
93.7
100

ALL COLUMNS AND CALY TOTAL 100 PERCENT OF JOINT VALID OBSERVATIONS

METEOROLOGICAL FACILITY: DISPERSED AREA STABILITY CLASS

WIND SPEED OBS. DIRECTION: MEASURED AT 10-10.00 METER LEVEL

WIND SPEED = 7.0 mph

DATE PRINTED: 09/15/80

POOR ORIGINAL

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY DIRECTION

DISREGARDING STABILITY CLASS

DAY TIME 759- 1701 HOURS

EDGEMONT METEOROLOGICAL FACILITY

MAY 1, 77 - OCT 31, 79

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5	
N	0.07	0.58	0.49	0.29	0.37	0.05	0.0	0.0	1.85
NNE	0.0	0.82	0.62	0.18	0.18	0.09	0.0	0.0	1.89
NE	0.02	0.84	0.68	0.29	0.49	0.20	0.0	0.0	2.52
ENE	0.02	0.66	0.64	0.42	0.93	0.80	0.02	0.0	3.49
E	0.02	0.53	0.93	1.15	4.29	3.89	0.40	0.0	11.21
ESE	0.04	0.44	0.91	1.17	4.64	2.76	0.13	0.0	10.09
SE	0.0	0.29	1.15	1.15	3.12	1.00	0.07	0.02	6.80
SSF	0.05	0.77	1.33	1.06	1.46	0.51	0.09	0.02	5.29
S	0.11	1.13	1.44	0.89	0.60	0.16	0.0	0.0	4.33
SSW	0.05	0.62	1.02	0.47	0.46	0.15	0.02	0.0	2.79
SW	0.0	0.37	0.57	0.31	0.47	0.26	0.09	0.0	2.07
WSW	0.04	0.64	0.73	0.46	0.89	0.57	0.18	0.0	3.51
W	0.04	1.19	1.73	1.10	1.64	0.53	0.16	0.0	6.39
WNW	0.05	1.30	2.74	2.76	4.51	2.19	0.37	0.27	14.19
NW	0.04	1.84	3.65	2.52	4.25	2.85	1.11	0.33	16.59
NNW	0.07	1.64	1.64	1.04	1.66	0.60	0.13	0.11	6.89
SUBTOTAL	0.62	13.66	20.27	15.26	29.96	16.61	2.77	0.75	99.90

TOTAL HOURS OF VALID WIND OBSERVATIONS	5478
TOTAL HOURS OF OBSERVATIONS	5520
RECOVERABILITY PERCENTAGE	99.2
TOTAL HOURS CALM	4

ALL COLUMNS AND CALM TOTAL 100 PERCENT OF JOINT VALID OBSERVATIONS

METEOROLOGICAL FACILITY: EDGEMONT METEOROLOGICAL FACILITY
 WIND SPEED AND DIRECTION MEASURED AT THE 10.00 METER LEVEL

DATE PRINTED: 09/16/80

MEAN WIND SPEED = 8.3 MPH

18405