

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

Supplemental Information

Facility BEAVER VALLEY - UNIT 1 Licensee DUQUESNE LIGHT COMPANY

1. Regulatory Limits

- a. Fission and activation gases: ARTICLE 2.4-3
- b. Iodines: ARTICLE 2.4-3
- c. Particulates, half-lives >8 days: ARTICLE 2.4-3
- d. Liquid effluents: ARTICLE 2.4-3

2. Maximum Permissible Concentrations

Provide the MPC's used in determining allowable release rates or concentrations.

- a. Fission and activation gases: 10 CFR 20, APPENDIX B (TABLE II)
- b. Iodines: 10 CFR 20, APPENDIX B (TABLE II)
- c. Particulates, half-lives >8 days: 10 CFR 20, APPENDIX B (TABLE II)
- d. Liquid effluents: 10 CFR 20, APPENDIX B (TABLE II)

3. Average Energy

Provide the average energy (\bar{E}) of the radionuclide mixture in releases of fission and activation gases, if applicable.

NOT APPLICABLE

4. Measurements and Approximations of Total Radioactivity

Provide the methods used to measure or approximate the total radioactivity in effluents and the methods used to determine radionuclide composition.

- a. Fission and activation gases: GELI GAMMA SPECTROMETRY, LIQUID SCINTILLATION
- b. Iodines: GELI GAMMA SPECTROMETRY
- c. Particulates: GELI GAMMA SPECTROMETRY, LOW BACKGROUND PROPORTIONAL COUNTER
- d. Liquid effluents: GELI GAMMA SPECTROMETRY, LIQUID SCINTILLATION

5. Batch Releases

Provide the following information relating to batch releases of radioactive materials in liquid and gaseous effluents.

	1ST QUARTER	2ND QUARTER
a. Liquid		
1. Number of batch releases:	66	113
2. Total time period for batch releases:	16194 MIN	18077 MIN
3. Maximum time period for a batch release:	5383 MIN	3570 MIN
4. Average time period for batch releases:	245 MIN	160 MIN
5. Minimum time period for a batch release:	53 MIN	55 MIN
6. Average stream flow during periods of release of effluent into a flowing stream:	58,517 CU. FT./SEC.	
b. Gaseous	1ST QUARTER	2ND QUARTER
1. Number of batch releases:	22	48
2. Total time period for batch releases:	19846 MIN	27607 MIN
3. Maximum time period for a batch release:	4710 MIN	2199 MIN
4. Average time period for batch releases:	902 MIN	575 MIN
5. Minimum time period for a batch release:	289 MIN	5 MIN

6. Abnormal Releases

a. Liquid

- 1. Number of releases: NONE
- 2. Total activity released:

b. Gaseous

- 1. Number of releases: 1
- 2. Total activity released: 1.02 E-2 CURIES

TABLE 1A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1981)

GASEOUS EFFLUENTS—SUMMATION OF ALL RELEASES

	Unit	Quarter 1ST	Quarter 2ND	Est. Total Error, %
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A. Fission & activation gases

1. Total release	Ci	1.22 E+2	3.10 E+2	2.0 E+3
2. Average release rate for period	μ Ci/sec	1.03 E+2	1.87 E+2	
3. Percent of Technical specification limit	%	N/A E	N/A E	

B. Iodines

1. Total iodine-131	Ci	3.81 E-3	1.93 E-4	1.5 E-1
2. Average release rate for period	μ Ci/sec	3.20 E-3	1.16 E-4	
3. Percent of technical specification limit	%	N/A E	N/A E	

C. Particulates

1. Particulates with half-lives >8 days	Ci	5.05 E-5	1.88 E-6	2.0 E+1
2. Average release rate for period	μ Ci/sec	4.24 E-5	1.13 E-6	
3. Percent of technical specification limit	%	N/A E	N/A E	
4. Gross alpha radioactivity	Ci	9.25 E-7	2.25 E-7	

D. Tritium

1. Total release	Ci	2.89 E-2	3.21 E-3	1.5 E+1
2. Average release rate for period	μ Ci/sec	2.43 E-2	1.93 E-3	
3. Percent of technical specification limit	%	N/A E	N/A E	

N/A = NOT APPLICABLE

TABLE 1B

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1981)

GASEOUS EFFLUENTS--ELEVATED RELEASE

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		Quarter	Quarter	Quarter	Quarter
1. Fission gases		1ST	2ND	1ST	2ND
krypton-85	Ci	LLD E	LLD E	6.01 E-2	1.94 E-1
krypton-85m	Ci	LLD E	3.30 E-1	LLD E	1.44 E-2
krypton-87	Ci	LLD E	LLD E	LLD E	1.06 E-2
krypton-88	Ci	LLD E	LLD E	LLD E	1.93 E-2
xenon-133 ^s	Ci	3.48 E-2	2.67 E+1	4.79 E+1	9.24 E+1
xenon-135	Ci	LLD E	2.64 E0	7.99 E-3	1.91 E-1
xenon-135m	Ci	LLD E	LLD E	1.75 E-2	2.93 E-2
xenon-138	Ci	LLD E	LLD E	LLD E	LLD E
Others (specify)	Ci	. E	. E	. E	. E
XENON-131 m	Ci	. E	. E	5.35 E-1	2.90 E-1
XENON-133 m	Ci	. E	. E	1.2 E0	2.52 E-1
unidentified	Ci	. E	. E	. E	. E
Total for period	Ci	3.48 E-2	2.98 E+1	4.98 E+1	9.34 E+1

2. Iodines

iodine-131	Ci	9.61 E-4	LLD E	LLD E	LLD E
iodine-133	Ci	2.16 E-5	LLD E	LLD E	LLD E
iodine-135	Ci	LLD E	LLD E	LLD E	LLD E
Total for period	Ci	9.83 E-4	— E	— E	— E

3. Particulates

strontium-89	Ci	2.55 E-9	6.79 E-9	LLD E	LLD E
strontium-90	Ci	3.40 E-9	LLD E	LLD E	LLD E
cesium-134	Ci	LLD E	LLD E	LLD E	LLD E
cesium-137	Ci	LLD E	LLD E	LLD E	LLD E
barium-lanthanum-140	Ci	LLD E	LLD E	LLD E	LLD E
Others (specify)	Ci	. E	. E	. E	. E
COBALT -60	Ci	9.58 E-7	. E	. E	. E
MANGANESE - 54	Ci	4.43 E-7	. E	. E	. E
unidentified	Ci	. E	. E	. E	. E

LLD = BELOW THE LOWER LIMIT OF DETECTION (TABLE 4)

TABLE 1C

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1981)

GASEOUS EFFLUENTS—GROUND-LEVEL RELEASES

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		Quarter	Quarter	Quarter	Quarter

1. Fission gases		1st	2ND	1st	2ND
krypton-85	Ci	LLD E	LLD E	LLD E	LLD E
krypton-85m	Ci	LLD E	LLD E	LLD E	1.06 E-1
krypton-87	Ci	LLD E	LLD E	LLD E	1.06 E-1
krypton-88	Ci	LLD E	LLD E	LLD E	1.75 E-1
xenon-133	Ci	LLD E	LLD E	7.20 E+1	1.85 E+2
xenon-135	Ci	LLD E	LLD E	LLD E	6.28 E-1
xenon-135m	Ci	LLD E	LLD E	LLD E	1.29 E-1
xenon-138	Ci	LLD E	LLD E	LLD E	LLD E
Others (specify)	Ci	. E	. E	. E	. E
XENON - 133m	Ci	. E	. E	1.55 E-1	7.85 E-1
	Ci	. E	. E	. E	. E
unidentified	Ci	. E	. E	. E	. E
Total for period	Ci	LLD E	LLD E	7.22 E+1	1.87 E+2

2. Iodines

iodine-131	Ci	2.62 E-3	9.41 E-5	1.55 E-4	6.43 E-5
iodine-133	Ci	5.17 E-5	LLD E	LLD E	3.41 E-5
iodine-135	Ci	LLD E	LLD E	LLD E	LLD E
Total for period	Ci	2.67 E-3	9.41 E-5	1.55 E-4	9.84 E-5

3. Particulates

strontium-89	Ci	3.53 E-6	6.19 E-7	LLD E	LLD E
strontium-90	Ci	3.61 E-5	1.25 E-6	LLD E	LLD E
cesium-134	Ci	LLD E	LLD E	LLD E	LLD E
cesium-137	Ci	LLD E	LLD E	LLD E	LLD E
barium-lanthanum-140	Ci	LLD E	LLD E	LLD E	LLD E
Others (specify)	Ci	9.50 E-6	. E	. E	. E
COBALT - 58	Ci	. E	. E	. E	. E
	Ci	. E	. E	. E	. E
unidentified	Ci	. E	. E	. E	. E

LLD = BELOW THE LOWER LIMIT OF DETECTION (TABLE 4)

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1981)

LIQUID EFFLUENT - SUMMATION OF ALL RELEASES

Unit	Quarter	Quarter	Est. Total Error, %
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1ST 2ND

A. Fission and activation products

1. Total release (not including tritium, gases, alpha)	Ci	3.62 E-2	3.69 E-2	2.0 E+1
2. Average diluted concentration during period	$\mu\text{Ci/ml}$	2.99 E-8	2.46 E-8	
3. Percent of applicable limit	%	3.62 E-1	3.69 E-1	

B. Tritium

1. Total release	Ci	3.64 E+1	2.66 E+1	1.5 E+1
2. Average diluted concentration during period	$\mu\text{Ci/ml}$	3.01 E-5	1.77 E-5	
3. Percent of applicable limit	%	1.00 E 0	5.90 E-1	

C. Dissolved and entrained gases

1. Total release	Ci	1.37 E-2	6.62 E-3	2.7 E+1
2. Average diluted concentration during period	$\mu\text{Ci/ml}$	1.13 E-8	4.41 E-9	
3. Percent of applicable limit	%	N/A E	N/A E	

D. Gross alpha radioactivity

1. Total release	Ci	LLD E	LLD E	2.9 E+1
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E. Volume of waste released (prior to dilution)	liters	8.71 E+5	1.26 E+6	5.0 E 0
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F. Volume of dilution water used during period	liters	1.21 E+9	1.50 E+9	1.0 E+1
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N/A = NOT APPLICABLE

LLD = BELOW THE LOWER LIMIT OF DETECTION (TABLE 4)

A.3 IS BASED ON A LIMIT OF 10 Ci/QUARTER

B.3 IS BASED ON A LIMIT OF $3.00 \times 10^{-3} \mu\text{Ci/ml}$

TABLE 2B

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1981)

LIQUID EFFLUENTS

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		1ST Quarter	2ND Quarter	1ST Quarter	2ND Quarter
strontium-89	Ci	N/A E	N/A E	1.26 E-4	9.39 E-5
strontium-90	Ci	E	E	2.69 E-6	1.62 E-6
cesium-134	Ci	E	E	5.23 E-4	2.26 E-3
cesium-137	Ci	E	E	1.63 E-3	4.40 E-3
iodine-131	Ci	E	E	1.73 E-3	6.80 E-4
cobalt-58	Ci	E	E	9.72 E-3	8.55 E-3
cobalt-60	Ci	E	E	1.92 E-2	1.92 E-2
iron-59	Ci	E	E	LLD E	LLD E
zinc-65	Ci	E	E	LLD E	3.70 E-7
manganese-54	Ci	E	E	2.30 E-3	1.67 E-3
chromium-51	Ci	E	E	LLD E	2.76 E-5
zirconium-niobium-95	Ci	E	E	8.90 E-4	LLD E
molybdenum-99	Ci	E	E	LLD E	LLD E
technetium-99m	Ci	E	E	LLD E	LLD E
barium-lanthanum-140	Ci	E	E	LLD E	LLD E
cerium-141	Ci	E	E	LLD E	LLD E
Other (specify)	Ci	E	E	E	E
IODINE - 133	Ci	E	E	8.74 E-5	E
	Ci	E	E	E	E
	Ci	E	E	E	E
	Ci	E	E	E	E
unidentified	Ci	E	E	E	E
Total for period (above)	Ci	E	E	3.62 E-2	3.59 E-2
xenon-133	Ci	E	E	1.37 E-2	6.59 E-3
xenon-135	Ci	E	E	9.10 E-7	3.00 E-5

N/A = NOT APPLICABLE (LIQUIDS NOT DISCHARGED IN A CONTINUOUS MODE)

LLD = BELOW THE LOWER LIMIT OF DETECTION (TABLE 4)

TABLE 3

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1981)

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (Not irradiated fuel)

1. Type of waste	Unit	6-month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m ³ Ci	6.74 E+1 7.28 E+1	3.00 E+1
b. Dry compressible waste, contaminated equip, etc.	m ³ Ci	5.19 E+1 4.88 E 0	3.00 E+1
c. Irradiated components, control rods, etc.	m ³ Ci	— E — E	— E
d. Other (describe)	m ³ Ci	. E . E	. E

2. Estimate of major nuclide composition (by type of waste)

a. Co - 60	%	6.65 E+1
Co - 58	%	2.26 E+1
Cs - 137	%	4.40 E 0
b. Co - 60	%	6.09 E+1
Co - 58	%	2.26 E+1
Mn - 54	%	7.20 E 0
c.	%	. E
	%	. E
	%	. E
d.	%	. E
	%	. E
	%	. E

3. Solid Waste Disposition

Number of Shipments

21

Mode of Transportation

TRUCK

Destination

BARNWELL, SC

B. IRRADIATED FUEL SHIPMENTS (Disposition)

Number of Shipments

NONE

Mode of Transportation

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Destination

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TABLE 4
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1981)
LOWER LIMIT OF DETECTION
(NOMINAL)

GAS	
Kr-85	2.0 E-10 μ Ci/cc (Teledyne Sample)
Kr-85m	5.4 E-8
Kr-87	5.1 E-8
Kr-88	6.6 E-8
Xe-133	1.3 E-7
Xe-135	3.5 E-8
Xe-135m	5.4 E-8
Xe-138	4.2 E-8
I-131	4.0 E-14
I-133	2.6 E-14
I-135	1.4 E-15
Cs-134	1.7 E-17
Cs-137	2.4 E-17
Ba/La-140	4.2 E-17
H-3	1.0 E-6
Gross Alpha	4.9 E-8
Sr-89	9.9 E-7
Sr-90	6.2 E-6

LIQUID	
Cs-134	7.4 E-8 μ Ci/cc
Cs-137	7.0 E-8
I-131	3.2 E-8
Fe-59	1.0 E-6
Zn-65	1.2 E-7
Mo-99	3.7 E-7
Te-99m	6.4 E-8
Ba/La-140	6.6 E-8/3.8 E-8
Ce-141	1.2 E-7
Na-24	6.3 E-7
Cr-51	4.9 E-7
Xe-137	1.4 E-7
Xe-135	5.7 E-8
H-3	1.0 E-6
Gross Alpha	7.0 E-10
Sr-89	1.3 E-9
Sr-90	3.1 E-9

BEAVER VALLEY

JOINT FREQUENCY DISTRIBUTION TABLES

FOR

CONTINUOUS RELEASE

FOR

$\Delta T(150-35FT)$ AND 35-FT WIND

AND

$\Delta T(500FT-35FT)$ AND 500-FT WIND

(JANUARY 1, 1981 - MARCH 31, 1981)

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: 01RV2

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	0	2	0	0	1	1	1	0	1	0	2	1	0	0	0	1	10
3.50- 7.49	7	3	2	4	6	0	3	2	4	3	16	16	12	12	10	7	107
7.50-12.49	1	0	0	0	0	0	0	0	0	2	10	12	34	21	2	0	62
12.50-18.49	0	0	0	0	0	0	0	0	0	0	4	2	1	0	0	0	7
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	5	2	4	7	1	4	2	5	5	32	31	47	33	12	8	206

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	0	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	5
3.50- 7.49	0	1	0	0	0	1	0	1	1	3	7	4	7	6	4	4	39
7.50-12.49	0	0	0	0	0	0	0	0	1	0	2	12	8	1	3	1	28
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	4	1	0	0	1	0	1	3	3	9	19	15	7	7	5	75

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE
SITE IDENTIFIER: DLBV2
DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	1	1	1	1	1	1	0	0	2	0	0	0	0	1	0	0	1
3.50- 7.49	2	0	0	0	0	0	0	0	0	1	4	10	7	3	6	3	36
7.50-12.49	0	0	0	0	0	0	0	0	0	1	4	6	2	5	3	0	21
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	1	1	1	1	1	0	0	2	2	8	17	9	9	9	3	68

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	13	15	16	8	4	2	5	9	11	9	2	4	15	15	11	12	10
3.50- 7.49	12	1	1	3	5	3	2	3	15	50	84	112	105	100	77	23	151
7.50-12.49	0	0	0	0	0	0	0	0	0	17	37	77	45	14	6	0	596
12.50-18.49	0	0	0	0	0	0	0	0	0	0	3	5	1	0	1	0	197
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	16	17	11	9	5	7	12	26	76	126	198	167	129	95	35	964

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
0.75- 3.49	8	13	27	23	15	10	10	15	34	12	9	4	9	1	6	7	203
3.50- 7.49	3	2	3	1	9	2	0	2	13	26	31	7	4	9	4	1	117
7.50-12.49	0	0	0	0	0	0	0	0	1	0	6	8	2	0	0	0	17
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	11	15	30	24	24	12	10	17	48	38	46	20	15	10	10	8	341

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
0.75- 3.49	1	7	4	4	8	18	20	23	17	10	1	1	2	2	0	2	120
3.50- 7.49	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	19
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	8	4	4	8	18	20	23	25	18	1	2	2	2	0	2	142

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALC																	3
0.75- 3.49	2	5	12	11	12	27	65	52	13	1	1	0	1	0	2	1	205
3.50- 6.49	0	1	0	0	0	0	0	1	13	1	0	0	0	0	0	0	16
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	6	12	11	12	27	65	53	26	2	1	0	1	0	2	1	224

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALC																	20
0.75- 3.49	25	47	61	47	41	59	101	99	79	32	15	10	27	19	19	23	703
3.50- 7.49	25	6	8	20	6	5	9	54	92	142	150	135	130	101	38	930	
7.50-12.49	1	0	0	0	0	0	0	0	2	20	59	115	92	41	14	1	345
12.50-18.49	0	0	0	0	0	0	0	0	0	0	7	12	2	0	1	0	22
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	51	55	67	55	61	65	106	108	135	144	223	287	256	190	135	62	2020

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2160

TOTAL NUMBER OF VALID OBSERVATIONS: 2020

TOTAL NUMBER OF MISSING OBSERVATIONS: 140

PERCENT DATA RECOVERY FOR THIS PERIOD: 93.5 %

MEAN WIND SPEED FOR THIS PERIOD: 4.9 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
10.20	3.71	3.37	47.72	16.88	7.03	11.09

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	8	5	2	4	7	1	4	2	5	5	32	31	47	33	12	8	0
B	0	4	1	0	0	1	0	1	3	3	9	19	15	7	7	5	0
C	3	1	1	1	1	1	0	0	2	2	8	17	9	9	9	3	1
D	25	16	17	11	9	5	7	12	26	76	126	198	167	129	95	35	10
E	11	15	30	24	24	12	10	17	48	38	46	20	15	10	10	8	3
F	2	8	4	4	8	18	20	23	25	18	1	2	2	2	0	2	3
G	2	5	12	11	12	27	65	53	26	2	1	0	1	0	2	1	3
TOTAL	51	55	67	55	61	65	106	108	135	144	223	287	256	190	135	62	20

PROGRAM: JFD REVISION: 4P

REARER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: DLRV2
 DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
12.50-18.49	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.0-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	4
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.0-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	4

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBY

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CAL-M	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
7.50-12.49	1	2	0	1	1	1	0	1	1	0	2	1	0	0	0	0	3
12.50-18.49	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	13
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	6
22.5-29	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
TOTAL	1	2	0	2	1	1	1	2	1	0	2	2	4	5	0	2	26

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CAL-M	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	5	4	4	6	3	2	3	1	2	2	2	2	1	0	6	2	1
3.50- 7.49	7	3	3	8	13	6	8	16	9	7	9	21	19	13	19	7	45
7.50-12.49	17	1	3	1	6	5	1	10	31	23	67	68	86	64	67	34	168
12.50-18.49	3	0	0	0	0	3	7	0	5	36	89	78	176	94	43	4	484
18.50-23.99	0	0	0	0	0	8	5	1	0	2	27	34	46	22	5	1	538
22.5-29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	151
TOTAL	32	8	10	15	22	24	25	28	47	70	194	212	336	200	140	49	1413

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - FLEATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBY2

DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	2
0.75- 3.49	1	0	3	3	5	5	4	5	2	1	2	3	2	3	0	0	39
3.50- 7.49	0	1	11	3	5	2	2	8	12	8	13	15	6	6	3	4	99
7.50-12.49	5	1	3	13	5	8	6	17	13	15	16	26	16	4	2	5	155
12.50-18.49	2	0	0	2	1	0	4	2	11	24	18	4	3	2	1	2	76
18.50-23.99	0	0	0	0	0	1	4	2	2	3	1	1	0	0	0	0	14
22.99	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
TOTAL	8	2	17	21	16	16	22	34	40	51	50	49	27	15	6	11	387

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	3
0.75- 3.49	1	1	1	0	2	8	1	0	3	0	2	1	0	0	0	2	22
3.50- 7.49	3	1	2	7	4	6	7	6	6	3	5	1	1	3	2	4	61
7.50-12.49	0	0	2	2	0	2	2	8	9	10	1	6	4	1	1	2	50
12.50-18.49	0	0	0	0	0	1	0	0	5	5	1	0	0	0	0	0	12
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	2	5	9	6	17	10	14	23	18	9	8	5	4	3	8	148

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: OLRV?
 DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	4
3.50- 7.49	0	0	0	0	1	1	4	6	8	1	0	0	0	0	0	0	21
7.50-12.49	0	0	0	0	0	0	0	2	6	15	1	0	0	0	0	0	24
12.50-18.49	0	0	0	0	0	0	3	1	0	3	0	0	0	0	0	0	7
18.50-23.99	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	0	0	2	1	10	9	14	19	1	0	0	0	0	0	57

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	7	6	8	9	11	15	10	6	7	3	6	6	3	3	6	4	110
3.50- 7.49	10	5	16	19	23	15	22	36	35	19	27	38	26	22	24	15	352
7.50-12.49	23	4	9	18	15	16	9	38	61	63	87	101	106	69	70	43	732
12.50-18.49	5	0	0	3	1	4	14	4	21	68	108	82	183	97	44	6	640
18.50-23.99	0	0	0	0	0	9	10	3	2	5	28	35	46	25	5	1	169
24.00-29.99	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29
TOTAL	45	15	33	49	50	59	68	87	126	158	256	271	372	224	149	70	2038

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
SITE IDENTIFIER: DLBV2
DATA PERIOD EXAMINED: 1/ 1/81 - 3/31/81

*** FIRST QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2160

TOTAL NUMBER OF VALID OBSERVATIONS: 2038

TOTAL NUMBER OF MISSING OBSERVATIONS: 122

PERCENT DATA RECOVERY FOR THIS PERIOD: 94.4 %

MEAN WIND SPEED FOR THIS PERIOD: 11.5 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.15	0.20	1.28	69.33	18.99	7.26	2.80

DISTRIBUTION OF WIND DIRECTION vs STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
B	0	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0
C	1	2	0	2	1	1	1	2	1	0	2	2	4	5	0	2	0
D	32	9	10	15	22	24	25	28	47	70	194	212	336	200	140	49	1
E	8	2	17	21	16	16	22	34	40	50	50	49	27	15	6	11	2
F	4	2	5	9	6	17	10	14	23	18	9	8	5	4	3	8	3
G	0	1	0	0	2	1	10	9	14	19	1	0	0	0	0	0	0
TOTAL	45	15	33	49	50	59	68	87	126	158	256	271	372	224	149	70	6

BEAVER VALLEY

JOINT FREQUENCY DISTRIBUTION TABLES

FOR

BATCH RELEASES

FIRST QUARTER 1981

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL HATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 5/81 - 3/20/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	6
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	9
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1	5	5	3	1	15

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.50- 7.49	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	4
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
12.50-18.49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	2	0	0	0	0	0	0	0	1	1	0	1	1	0	0	6

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASE
SITE IDENTIFIER: DL9V2
DATA PERIOD EXAMINED: 1/ 5/81 - 3/20/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	1	2	0	1	0	0	1	0	0	0	2	2	1	1	11
3.50- 7.49	1	0	0	0	0	0	0	0	0	0	6	10	4	2	6	0	29
7.50-12.49	0	0	0	0	0	0	0	0	0	2	5	8	0	0	1	0	16
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	1	2	0	1	0	0	1	2	11	18	6	4	9	1	58

PROGRAM: JFD

REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 5/81 - 3/20/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON* DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	0	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	4
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	0	0	2	0	1	0	1	0	0	0	0	0	5

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

[illegible]

PROGRAM: JFD REVISION: 6P

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASE
SITE IDENTIFIER: DLBVC
DATA PERIOD EXAMINED: 1/ 5/81 - 3/25/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS 6

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 36.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	1	3	0	1	6	2	2	0	0	0	2	2	1	1	1
3.50- 7.49	1	1	0	0	0	0	0	0	0	1	8	13	5	4	8	1	23
7.50-12.49	0	0	0	0	0	0	0	0	0	2	5	8	5	5	2	0	42
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	27
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	1	3	0	1	6	2	2	3	13	21	12	11	12	2	94

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASE

SITE IDENTIFIER: DLRV2

DATA PERIOD EXAMINED: 1/ 5/81 - 3/20/81

*** FIRST QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 94

TOTAL NUMBER OF VALID OBSERVATIONS: 94

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 5.8 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
15.96	6.38	4.26	61.70	5.32	6.38	0.00

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	0	0	1	5	5	3	1	0
B	0	2	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0
C	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
D	1	0	1	2	0	1	0	0	1	2	11	18	6	4	9	1	1
E	0	0	0	1	0	0	2	0	1	0	1	0	0	0	0	0	0
F	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	3	1	3	0	1	6	2	2	3	13	21	12	11	12	2	1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE
SITE IDENTIFIER: DLBV2
DATA PERIOD EXAMINED: 1/ 2/81 - 3/12/81

STABILITY CLASS A

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED HATCH RELEASE
SITE IDENTIFIER: DLBV?
DATA PERIOD EXAMINED: 1/ 2/81 - 3/12/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
3.50- 7.49	0	0	0	0	0	0	0	1	0	1	1	6	1	2	0	0	12
7.50-12.49	0	0	0	0	0	2	0	5	0	4	20	6	11	6	5	0	59
12.50-18.49	1	0	0	0	0	2	1	0	1	3	24	17	33	24	5	0	110
18.50-23.99	0	0	0	0	0	1	1	1	0	0	8	0	3	1	0	0	15
24.00-29.99	0	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	4
TOTAL	1	0	0	0	0	5	3	7	1	8	54	32	49	33	10	0	202

BEAVER VALLEY JFO - ELEVATED BATCH RELEASE
SITE IDENTIFIER: DLBW?
DATA PERIOD EXAMINED: 1/ 2/81 - 3/12/81

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	3
3.50- 7.49	1	0	0	0	0	0	0	0	0	2	5	3	0	0	0	0	10
7.50-12.49	0	0	0	0	0	1	0	0	2	0	1	1	1	0	0	0	6
12.50-18.49	1	0	0	0	1	0	1	0	5	4	1	0	2	0	0	0	14
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	1	1	1	7	6	7	1	3	1	0	0	33

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE
SITE IDENTIFIER: DLBV2
DATA PERIOD EXAMINED: 1/ 2/81 - 3/12/81

*** FIRST QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	3	2	4	1	0	0	0	0	0	0	10
7.50-12.49	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	4
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	3	4	5	2	0	0	0	0	0	0	14

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	5
3.50- 7.49	1	1	1	0	1	0	3	3	4	4	6	9	1	2	0	0	36
7.50-12.49	0	0	0	0	0	3	0	7	3	5	21	7	12	6	5	0	69
12.50-18.49	0	0	0	0	1	2	2	0	6	7	25	17	36	24	5	0	125
18.50-23.99	0	0	0	0	0	1	1	1	0	0	8	0	3	1	0	0	15
221.99	0	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	4
TOTAL	1	1	1	0	2	6	7	12	13	16	61	37	53	34	10	0	254

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 1/ 2/81 - 3/12/81

*** FIRST QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 254

TOTAL NUMBER OF VALID OBSERVATIONS: 254

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 12.6 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.00	0.00	0.39	79.53	12.99	1.57	5.51

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
D	0	0	0	0	0	5	3	7	1	8	54	32	49	33	10	0	0
E	0	0	0	0	1	1	1	1	7	6	7	5	3	1	0	0	0
F	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	3	4	5	2	0	0	0	0	0	0	0
TOTAL	1	1	1	0	2	6	7	12	13	16	61	37	53	34	10	0	0

BEAVER VALLEY

LISTING OF METEOROLOGICAL DATA

FOR

PERIODS OF GASEOUS EFFLUENT RELEASES

AT

THE 150-FT LEVEL
(GROUND-LEVEL)

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

150FT-LEVEL BATCH REV0

-----35 FT-----150 FT-----500 FT-----

YR	MO	DAY	HR	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
81	1	5	6	7.9	213	10.4	D	10.4	217	8.6	D	11.6	237	7.7	D	-0.3	-6.9	-0.7	D	-2.1	D	0.00		
81	1	5	7	7.1	236	16.4	C	8.5	227	12.0	D	12.5	230	6.7		-0.2	-6.4	-0.8	D	-2.6	D	0.00		
81	1	5	8	6.4	220	17.2	C	7.2	231	17.2	C	7.4	241	10.9	D	0.2	-5.5	-0.7	D	-2.4	D	0.00		
81	1	5	9	7.0	224	13.3	C	8.2	220	10.6	D	11.4	229	8.0	D	0.8	-5.1	-0.8	D	-2.6	D	0.00		
81	1	5	10	8.1	247	10.1	D	9.8	236	10.1	D	10.1	220	8.4	D	2.3	-4.1	-0.8	D	-2.5	D	0.00		
81	1	5	11	7.2	247	10.9	D	9.0	242	9.8	D	9.9	228	8.6	D	4.2	-3.6	-1.0	C	-2.7	D	0.00		
81	2	24	18	9.3	256	17.0	C	15.3	264	11.5	D	20.5	261	7.8	D	39.2	30.2	-0.6	D	-2.3	D	0.00		
81	2	24	19	9.1	235	13.4	C	12.4	242	11.6	D	16.6	239	10.0	D	38.7	30.0	-0.5	D	-2.3	D	0.00		
81	2	24	20	9.6	242	12.8	C	13.4	249	10.0	D	17.1	244	8.5	D	38.5	30.1	-0.5	D	-2.3	D	0.00		
81	2	24	21	8.8	239	10.8	D	12.1	245	10.1	D	16.7	245	8.2	D	38.4	30.3	-0.5	D	-2.3	D	0.00		
81	2	24	22	6.8	237	14.4	C	9.5	240	13.1	C	14.6	236	10.0	D	38.4	999.9	-0.5	D	-2.2	D	0.00		
81	2	24	23	6.3	222	18.8	B	8.2	226	15.9	C	14.1	225	11.6	D	38.0	30.9	-0.5	D	-2.1	D	0.00		
81	2	24	24	5.1	231	17.8	B	7.2	246	10.7	D	11.3	252	8.4	D	35.3	33.2	-0.5	D	-1.7	D	0.05		
81	2	25	1	4.9	222	17.8	B	6.9	234	12.9	C	12.9	241	7.6	D	35.5	34.3	-0.3	E	-1.6	D	0.00		
81	2	25	2	6.2	253	22.9	A	9.1	253	18.0	B	14.7	257	11.9	D	36.4	34.5	-0.4	D	-1.9	D	0.00		
81	3	17	3	5.3	218	16.2	C	7.8	221	13.1	C	15.0	222	9.2	D	25.5	14.7	-0.6	D	-2.2	D	0.00		
81	3	17	4	8.0	213	14.5	C	10.3	218	13.0	C	17.5	219	8.1	D	26.1	15.2	-0.6	D	-2.1	D	0.00		
81	3	17	5	9.0	220	16.3	C	11.8	222	12.5	C	19.2	221	8.1	D	27.4	15.6	-0.6	D	-2.3	D	0.00		
81	3	17	6	8.5	219	15.5	C	11.7	225	13.6	C	19.1	224	10.0	D	27.9	17.5	-0.6	D	-2.2	D	0.00		
81	3	17	7	9.1	236	13.6	C	12.5	243	12.3	D	17.7	237	10.4	D	27.6	23.9	-0.6	D	-2.2	D	0.00		
81	3	17	8	9.5	236	11.9	D	13.1	243	11.9	D	18.5	237	10.2	D	27.7	25.1	-0.6	D	-2.2	D	0.00		
81	3	17	9	12.0	239	15.2	C	16.7	248	13.1	C	22.5	246	11.5	D	30.0	26.5	-0.6	D	-2.3	D	0.00		
81	3	17	10	17.2	326	12.6	C	25.2	338	11.8	D	35.1	339	9.3	D	32.2	27.2	-0.6	D	-2.4	D	0.00		
81	3	17	11	10.0	300	99.9	-	99.9	999	99.9	-	99.9	999	99.9	-	32.8	19.8	-1.0	C	-3.0	D	0.00		
81	3	17	12	10.6	280	22.2	B	20.1	283	12.3	D	24.8	285	7.5	D	32.5	11.9	-1.5	A	-3.7	D	0.00		
81	3	17	13	10.4	298	21.1	B	18.8	294	11.5	D	22.9	301	9.4	D	31.2	10.2	-1.5	A	-3.7	D	0.00		
81	3	17	14	11.8	291	19.9	B	20.1	291	11.1	D	25.4	290	7.8	D	31.0	8.3	-1.7	A	-4.1	C	0.00		
81	3	17	15	11.1	303	19.8	B	17.6	300	11.9	D	22.5	303	8.0	D	30.1	7.3	-1.3	A	-3.4	D	0.00		
81	3	17	16	9.4	300	21.4	B	16.3	297	14.0	C	20.0	302	12.2	D	31.0	10.0	-1.6	A	-3.8	D	0.00		
81	3	17	17	9.0	306	23.1	A	15.1	302	17.1	C	18.4	305	14.8	C	29.9	9.5	-1.3	A	-3.4	D	0.00		
81	3	17	18	7.5	307	21.9	B	12.5	302	14.6	C	16.5	308	9.1	D	27.7	6.5	-0.9	D	-2.9	D	0.00		
81	3	17	19	6.4	305	19.7	B	8.9	311	13.0	C	13.5	319	9.3	D	25.4	4.4	-0.7	D	-2.5	D	0.00		
81	3	17	20	4.3	324	21.5	B	6.1	329	17.3	C	9.7	333	10.7	D	23.6	5.6	-0.7	D	-2.4	D	0.00		
81	3	17	21	2.7	325	28.0	A	4.3	330	20.2	B	7.5	342	10.8	D	22.0	6.4	-0.5	D	-2.3	D	0.00		
81	3	17	22	3.6	349	21.0	B	5.8	351	13.1	C	8.4	1	6.6	E	20.6	5.7	-0.6	D	-2.1	D	0.00		
81	3	17	23	3.1	44	35.1	A	5.7	17	18.6	B	8.5	22	7.9	D	18.7	7.6	-0.5	D	-1.9	D	0.00		
81	3	17	24	1.4	65	20.7	B	3.1	44	18.0	B	5.9	21	9.2	D	17.0	11.3	0.1	E	-0.9	E	0.00		
81	3	18	1	1.7	132	31.4	A	2.1	63	19.5	B	5.3	40	9.9	D	14.8	11.6	1.1	F	0.5	E	0.00		
81	3	18	2	1.9	145	14.5	C	1.9	107	25.9	A	2.4	85	7.1	E	13.3	10.9	1.4	F	1.3	E	0.00		
81	3	18	3	1.9	137	15.4	C	2.1	87	21.0	B	3.1	81	8.2	D	12.0	10.2	1.0	F	2.1	E	0.00		
81	3	18	4	2.0	154	13.2	C	1.2	195	17.6	B	5.2	157	5.8	E	11.7	9.5	1.0	F	2.9	E	0.00		
81	3	18	5	2.1	148	13.9	C	2.5	162	18.2	B	10.1	181	1.8	G	11.5	9.0	1.8	F	2.8	E	0.00		
81	3	18	6	1.5	128	17.1	C	4.0	177	7.7	D	11.1	182	2.2	F	11.8	9.0	1.5	F	3.0	E	0.00		
81	3	18	7	1.9	145	16.5	C	2.8	200	13.7	C	4.8	245	11.5	D	14.0	10.1	0.9	E	0.3	E	0.00		
81	3	18	8	2.8	179	16.0	B	3.5	191	15.8	C	4.1	236	13.9	C	17.2	10.8	-0.8	D	-2.2	D	0.00		
81	3	18	9	4.3	209	19.2	B	5.5	212	14.4	C	6.5	213	12.4	D	21.5	11.1	-1.1	B	-3.0	D	0.00		
81	3	18	10	3.5	214	37.9	A	4.3	222	26.4	A	5.3	229	24.3	A	23.9	11.3	-1.1	B	-3.4	D	0.00		
81	3	18	11	4.0	287	29.9	A	5.3	285	26.3	A	6.1	276	23.7	A	25.1	9.0	-1.3	A	-3.5	D	0.00		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

150FT-LEVEL BATCH REV0

-----35 FT----- 150 FT----- 500 FT-----

YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T	DELTA T	RAIN		
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT				150-35	500-35
				(MPH)	(DEG)	SC(DEV)	SC	(MPH)	(DEG)	SC(DEV)	SC	(MPH)	(DEG)	SC(DEV)	(F)	(F)	(F)	SC(F)	SC(IN)
81	3	18	12	4.9	249	25.7 A	6.1	251	19.9 B	6.2	252	18.3 B	26.1	10.3	-1.2 A	-3.3 D	0.00		
81	3	18	13	4.4	305	57.7 A	5.6	300	43.7 A	6.5	289	32.3 A	27.4	11.3	-1.4 A	-3.5 D	0.00		
81	3	18	14	5.3	305	32.7 A	7.2	308	20.0 B	7.5	305	15.2 C	28.4	10.0	-1.4 A	-3.4 D	0.00		
81	3	18	15	3.9	327	54.2 A	5.3	328	46.5 A	5.7	315	29.4 A	28.9	10.3	-1.2 A	-3.2 D	0.00		
81	3	18	16	4.1	252	21.1 B	5.8	255	21.5 B	7.1	263	13.0 C	29.3	11.6	-1.0 C	-3.0 D	0.00		
81	3	18	17	3.1	271	53.4 A	4.0	298	41.1 A	5.4	297	20.6 B	29.8	11.9	-0.9 D	-2.9 D	0.00		
81	3	18	18	4.4	320	23.1 A	6.4	318	14.9 C	8.6	314	11.5 D	29.7	12.6	-0.8 D	-2.7 D	0.00		
81	3	18	19	4.5	310	18.6 B	5.9	313	12.7 C	9.1	323	8.2 D	27.9	15.6	-0.7 D	-2.4 D	0.00		
81	3	18	20	2.7	293	33.2 A	3.5	288	34.2 A	6.9	322	10.3 D	26.4	17.0	-0.7 D	-2.4 D	0.00		
81	3	18	21	2.0	297	28.8 A	2.7	313	22.9 A	6.4	337	6.9 E	25.7	17.2	-0.6 D	-2.0 D	0.00		
81	3	18	22	2.0	278	42.0 A	3.7	295	12.1 D	6.0	326	7.9 D	25.1	16.7	-0.4 D	-1.7 D	0.00		
81	3	18	23	1.7	139	35.0 A	3.1	211	25.1 A	6.8	289	7.2 E	21.8	17.7	0.7 E	0.9 E	0.00		
81	3	18	24	2.0	183	28.3 A	4.2	254	24.2 A	10.2	297	5.7 E	23.0	17.9	0.2 E	0.0 E	0.00		
81	3	19	1	3.6	282	22.4 B	5.5	283	13.5 C	8.1	306	11.5 D	24.1	18.9	-0.8 D	-2.5 D	0.00		
81	3	19	2	3.5	297	20.8 B	6.7	295	6.1 E	7.4	310	5.9 E	24.2	19.0	-0.6 D	-1.7 D	0.00		
81	3	19	3	4.1	308	15.6 C	9.0	299	3.2 F	8.7	312	2.0 G	23.8	19.8	-0.7 D	-1.8 D	0.00		
81	3	19	4	2.9	341	22.1 B	5.0	336	11.8 D	7.1	341	7.6 D	23.5	19.6	-0.7 D	-2.1 D	0.00		
81	3	19	5	1.6	73	40.6 A	2.3	76	23.1 A	2.4	60	20.4 B	23.3	18.6	-0.7 D	-2.3 D	0.00		
81	3	19	6	0.7	136	16.2 C	2.5	104	6.9 E	2.3	71	4.8 E	22.4	17.2	-0.5 D	-2.0 D	0.00		
81	3	19	7	1.3	114	23.8 A	2.3	91	8.3 D	3.2	73	5.6 E	22.2	17.4	-0.5 D	-2.0 D	0.00		
81	3	19	8	1.7	71	33.5 A	2.0	87	15.2 C	2.9	101	9.8 D	23.1	18.1	-0.9 D	-2.8 D	0.00		
81	3	19	9	2.7	23	25.2 A	3.9	40	20.0 B	3.5	56	14.5 C	24.1	19.1	-1.1 B	-2.9 D	0.00		
81	3	19	10	3.5	17	18.5 B	5.4	28	9.7 D	5.1	40	11.0 D	23.6	20.2	-1.1 B	-2.6 D	0.00		
81	3	19	11	2.4	19	32.5 A	4.0	26	21.6 B	5.7	22	19.7 B	23.9	18.4	-1.0 C	-2.7 D	0.02		
81	3	19	12	4.6	284	23.9 A	7.8	291	15.8 C	10.0	300	12.4 C	24.4	19.8	-1.1 B	-2.9 D	0.04		
81	3	19	13	6.7	268	18.2 B	12.5	274	9.9 D	15.5	283	7.9 D	25.1	18.8	-1.4 A	-3.2 D	0.03		
81	3	19	14	8.6	272	19.0 B	15.4	278	11.2 D	18.8	280	6.6 E	26.9	10.3	-1.5 A	-3.5 D	0.00		
81	3	19	15	9.5	261	23.0 A	14.7	268	16.6 C	17.5	269	10.6 D	27.2	9.5	-1.4 A	-3.5 D	0.00		
81	3	19	16	8.0	269	19.7 B	13.5	274	11.1 D	16.9	276	8.1 D	28.1	7.0	-1.5 A	-3.6 D	0.00		
81	3	19	17	8.0	276	24.2 A	13.4	280	12.1 D	17.1	278	6.3 E	27.7	6.8	-1.1 B	-3.0 D	0.00		
81	3	19	18	6.9	260	18.4 B	11.0	266	11.6 D	13.2	267	8.3 D	26.7	8.2	-0.7 D	-2.5 D	0.00		
81	3	19	19	7.0	252	15.1 C	10.4	261	11.5 D	12.8	261	7.7 D	25.7	13.4	-0.6 D	-2.5 D	0.00		
81	3	19	20	6.4	253	17.5 B	9.9	263	11.0 D	12.6	266	8.2 D	24.8	16.0	-0.5 D	-2.3 D	0.00		
81	3	19	21	6.1	266	18.5 B	10.1	272	11.6 D	13.2	278	7.4 E	24.8	13.8	-0.6 D	-2.5 D	0.00		
81	3	19	22	5.7	305	22.2 B	8.9	300	11.1 D	12.1	293	9.1 D	24.0	13.1	-0.7 D	-2.5 D	0.00		
81	3	19	23	5.6	249	16.4 C	8.0	258	10.3 D	9.9	267	8.7 D	23.2	13.4	-0.7 D	-2.5 D	0.00		
81	3	19	24	5.7	260	16.1 C	8.4	268	10.4 D	10.7	273	8.4 D	22.9	16.8	-0.6 D	-2.3 D	0.00		
81	3	20	1	4.8	268	22.7 A	8.5	271	11.3 D	10.8	279	8.6 D	22.9	17.4	-0.6 D	-2.5 D	0.00		
81	3	20	2	6.1	257	17.3 C	9.8	267	11.5 D	13.5	271	6.7 E	23.0	17.7	-0.6 D	-2.5 D	0.00		
81	3	20	3	6.3	258	16.9 C	10.8	268	10.0 D	13.8	275	7.4 E	23.1	16.6	-0.6 D	-2.5 D	0.00		
81	3	20	4	6.5	255	18.7 B	10.0	264	12.2 D	13.1	266	9.1 D	23.1	16.4	-0.7 D	-2.6 D	0.00		
81	3	20	5	7.0	255	16.0 C	11.3	264	12.0 D	15.3	270	7.1 E	23.3	17.0	-0.7 D	-2.5 D	0.00		
81	3	20	6	7.4	253	16.1 C	11.0	263	10.3 D	15.2	270	6.7 E	23.7	17.0	-0.7 D	-2.5 D	0.00		
81	3	20	7	8.2	251	14.2 C	12.3	251	9.5 D	16.2	268	5.6 E	23.8	18.0	-0.7 D	-2.5 D	0.00		
81	3	20	8	7.8	242	12.9 C	10.4	249	10.5 D	13.6	260	8.3 D	24.2	18.4	-0.7 D	-2.5 D	0.00		
81	3	20	9	9.3	246	12.4 D	13.4	255	8.5 D	16.2	260	7.7 D	23.8	18.9	-0.9 D	-2.8 D	0.01		

BEAVER VALLEY

LISTINGS OF METEOROLOGICAL DATA

FOR

PERIODS OF GASEOUS EFFLUENT RELEASES

AT

THE 500-FT LEVEL
(ELEVATED)

500FT-LEVEL BATCH REV3

WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)		WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)		WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)		WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)		AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)	
6.3	274	15.4	C	12.1	277	10.4	D	15.4	281	7.2	E	20.4				9.6	-0.6	D	-2.5	D	9.99
6.2	263	15.4	C	9.6	268	10.0	D	12.6	270	6.2	E	20.0	10.4	-0.7	D	-2.6	D	9.99			
5.5	259	19.2	B	9.6	263	12.3	D	12.1	261	9.9	D	20.0	11.4	-0.6	D	-2.5	D	9.99			
6.6	241	12.3	D	9.0	239	10.3	D	13.4	249	5.4	E	19.6	11.0	-0.5	D	-2.2	D	9.99			
6.3	225	14.0	C	7.6	228	10.9	D	9.9	239	8.4	D	19.7	10.4	-0.5	D	-2.1	D	9.99			
5.2	208	13.8	C	7.7	217	11.7	D	9.8	234	7.4	E	19.6	10.7	-0.4	D	-1.9	D	9.99			
5.4	230	18.8	B	7.7	231	15.9	C	9.9	236	9.6	D	19.8	11.1	-0.5	D	-2.1	D	9.99			
4.9	241	14.7	C	6.8	240	12.9	C	8.3	245	9.3	D	20.2	11.6	-0.5	D	-2.3	D	9.99			
5.1	199	13.9	C	7.2	213	10.9	D	9.6	236	7.9	D	19.8	12.4	-0.5	D	-2.0	D	9.99			
4.3	204	15.2	C	6.1	211	9.7	D	6.9	239	10.6	D	19.7	12.6	-0.5	D	-2.0	D	9.99			
2.0	194	23.7	A	4.3	211	18.2	B	7.8	229	7.6	D	19.6	12.8	-0.4	D	-1.9	D	9.99			
1.2	153	23.7	A	3.6	203	9.5	D	3.8	239	11.4	D	19.4	12.2	-0.2	E	-1.7	D	9.99			
1.2	147	19.3	B	4.1	196	10.7	D	5.9	233	7.5	D	19.0	13.2	0.5	E	-0.6	E	9.99			
4.3	315	18.9	B	7.9	299	6.4	E	10.0	297	6.2	E	9.3	2.2	-0.6	D	-2.4	D	0.00			
4.5	279	22.4	B	8.3	281	16.3	C	11.7	280	9.0	D	7.6	0.3	-0.5	D	-2.4	D	0.00			
6.4	280	14.7	C	11.0	277	10.9	D	12.8	284	9.7	D	6.4	-0.5	-0.7	D	-2.6	D	0.00			
7.6	269	21.0	B	11.6	270	9.8	D	14.8	270	6.2	E	5.7	-1.4	-0.7	D	-2.7	D	0.00			
5.8	289	22.2	B	9.7	276	11.1	D	12.3	278	9.6	D	4.7	-2.1	-0.6	D	-2.6	D	0.00			
5.4	270	17.4	C	10.2	274	6.0	E	12.4	277	6.6	E	3.2	-2.6	-0.6	D	-2.5	D	0.00			
5.3	264	16.5	C	9.7	272	10.0	D	13.0	271	6.2	E	2.1	-3.6	-0.5	D	-2.2	D	0.00			
5.9	259	17.0	C	9.4	267	12.6	C	14.4	269	5.2	E	1.3	-3.8	-0.3	E	-1.9	D	0.00			
6.4	261	22.3	B	9.9	262	14.1	C	13.5	267	8.4	D	0.8	-5.4	-0.4	D	-2.1	D	0.00			
5.3	298	20.8	B	10.1	289	10.1	D	15.7	286	7.7	D	0.8	-4.0	-0.5	D	-2.3	D	0.00			
5.2	300	20.3	B	9.8	293	8.8	D	15.1	284	6.5	E	0.0	-5.0	-0.5	D	-2.0	D	0.00			
5.7	290	16.3	C	9.5	287	6.8	E	14.0													

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV0

-----35 FT-----150 FT-----500 FT-----

				WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW					RAIN
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT	DELTA T	DELTA T	FALL		
YR	MO	DAY	HR	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(F)	(F)	150-35	500-35	(IN)		
81	1	16	19	9.0	258	14.1 C	13.8	258	7.8 D	17.9	259	7.0 E	18.1	9.3	-0.7 D	-2.6 D	0.00		
81	1	16	20	7.8	275	19.2 B	14.0	272	10.4 D	17.3	269	6.8 E	18.6	10.1	-0.8 D	-2.6 D	0.00		
81	1	16	21	7.4	269	17.9 B	13.8	268	9.3 D	16.9	269	6.3 E	18.6	11.0	-0.7 D	-2.6 D	0.00		
81	1	16	22	7.2	271	17.7 B	12.8	270	8.3 D	17.4	272	6.2 E	19.0	11.1	-0.7 D	-2.6 D	0.00		
81	1	16	23	5.9	287	18.8 D	10.1	280	9.8 D	12.5	286	7.5 D	19.0	13.7	-0.7 D	-2.6 D	0.00		
81	1	16	24	4.6	292	22.2 B	8.7	284	13.2 C	10.7	289	9.2 D	18.7	14.2	-0.7 D	-2.4 D	0.00		
81	1	17	1	7.1	308	20.8 B	11.1	301	14.6 C	15.3	310	10.7 D	18.2	10.7	-0.5 D	-2.3 D	0.00		
81	1	17	2	5.5	298	19.6 B	9.3	292	8.5 D	13.4	303	7.0 E	16.6	10.1	-0.5 D	-2.3 D	0.00		
81	1	17	3	4.9	315	16.2 C	9.4	300	8.2 D	14.2	298	4.1 E	16.4	10.7	-0.3 E	-1.8	0.00		
81	1	17	4	5.4	325	14.5 C	9.0	300	7.7 D	12.5	293	6.0 E	16.8	12.1	-0.4 D	-1.9 D	0.00		
81	1	17	5	3.9	295	17.6 B	6.5	289	9.1 D	8.7	282	6.5 E	16.7	13.8	-0.6 D	-2.2 D	0.00		
81	1	17	6	4.7	287	20.9 B	8.3	278	11.8 C	10.6	281	7.8 D	17.4	12.0	-0.6 D	-2.5 D	0.00		
81	1	27	13	7.7	267	19.1 B	14.8	267	7.1 E	17.6	264	3.8 E	38.4	24.8	-0.8 D	-2.5 D	0.00		
81	1	27	14	7.1	273	24.6 A	13.4	267	10.6 D	15.8	267	6.8 E	38.7	26.0	-0.7 D	-2.3 D	0.00		
81	1	27	15	6.4	288	18.4 B	12.6	276	10.1 D	15.7	274	5.5 E	38.3	26.5	-0.7 D	-2.5 D	0.00		
81	1	27	16	6.5	287	21.0 B	12.2	274	10.9 D	15.3	272	7.0 E	37.9	25.8	-0.6 D	-2.3 D	0.00		
81	1	27	17	6.4	267	16.6 C	11.0	266	10.3 D	15.1	268	7.0 E	37.5	24.2	-0.5 D	-2.3 D	0.00		
81	1	27	18	7.8	257	13.7 C	12.1	261	9.0 D	15.2	266	6.7 E	36.4	24.7	-0.5 D	-2.3 D	0.00		
81	1	27	19	6.5	288	18.7 B	12.3	277	13.5 C	15.2	274	7.3 E	35.8	24.9	-0.5 D	-2.3 D	0.00		
81	1	27	20	7.0	268	14.7 C	12.3	269	6.0 E	16.2	271	5.5 E	34.4	24.9	-0.4 D	-2.1 D	0.00		
81	1	27	21	5.2	258	12.5 C	9.1	261	5.1 E	13.6	261	3.9 E	33.1	25.0	-0.4 D	-1.8 D	0.00		
81	1	27	22	2.5	161	30.4 A	3.6	222	38.4 A	12.7	262	6.1 E	30.8	24.3	0.4 E	0.1 E	0.00		
81	1	27	23	2.9	182	26.9 A	4.1	210	22.6 A	4.7	239	27.3 A	29.7	24.0	0.2 E	-0.4 E	0.00		
81	1	27	24	1.4	174	47.0 A	1.8	223	57.6 A	4.9	229	20.2 B	29.6	23.8	0.2 E	-0.9 E	0.00		
81	1	28	1	1.6	148	20.5 B	0.7	213	61.9 A	2.5	147	40.0 A	26.9	23.4	2.3 F	1.0 E	0.00		
81	1	28	2	2.3	160	21.4 B	2.5	215	27.7 A	4.7	223	30.1 A	26.7	22.9	1.8 F	0.7 E	0.00		
81	1	28	3	1.0	85	33.1 A	2.3	214	24.6 A	11.5	217	7.3 E	29.1	23.2	0.1 E	-0.1 E	0.00		
81	1	28	4	5.1	222	21.4 B	7.3	216	15.5 C	12.7	222	9.6 D	30.5	23.1	-0.5 D	-2.0 D	0.00		
81	1	28	5	4.4	205	23.9 A	7.3	206	10.9 D	13.8	210	7.2 E	30.7	23.1	-0.3 E	-1.6 D	0.00		
81	1	28	6	5.3	206	19.7 B	7.3	208	9.3 D	12.7	210	7.6 D	31.2	23.0	-0.4 D	-2.0 D	0.00		
81	1	28	7	6.2	210	12.4 D	9.3	209	7.7 D	15.1	215	6.4 E	31.6	23.6	-0.4 D	-2.0 D	0.00		
81	1	28	8	8.0	209	11.1 D	10.4	207	9.2 D	16.3	212	6.6 E	31.8	25.3	-0.6 D	-2.3 D	0.00		
81	1	28	9	6.8	218	16.5 C	9.2	217	11.3 D	14.9	217	5.5 E	32.4	25.1	-0.5 D	-2.3 D	0.00		
81	1	28	10	7.9	214	15.5 C	10.3	207	8.7 D	15.0	217	6.6 E	33.2	24.7	-0.7 D	-2.5 D	0.00		
81	1	28	11	7.6	243	17.2 C	10.8	243	17.1 C	14.0	232	13.6 C	35.2	24.5	-0.9 D	-2.8 D	0.00		
81	1	28	12	8.1	249	15.4 C	11.8	255	11.3 D	15.4	244	16.8 C	36.0	23.4	-0.9 D	-2.6 D	0.00		
81	1	28	13	9.0	259	13.0 C	14.0	257	8.3 D	15.7	255	10.6 D	36.0	21.6	-0.8 D	-2.5 D	0.00		
81	1	28	14	12.5	238	20.4 B	17.2	238	18.4 B	19.3	236	15.6 C	36.8	20.2	-0.9 D	-2.5 D	0.00		
81	1	28	15	9.8	241	19.2 D	13.7	243	15.6 C	16.8	242	12.2 D	36.5	16.8	-0.8 D	-2.4 D	0.00		
81	1	28	16	6.7	272	16.3 C	12.7	268	8.4 D	16.8	264	5.7 C	36.4	17.5	-0.8 D	-2.4 D	0.00		
81	1	28	17	6.2	270	19.0 D	11.7	267	9.4 D	14.5	268	7.9 D	35.9	17.4	-0.5 D	-2.2 D	0.00		
81	1	28	18	4.8	336	19.8 B	6.6	334	14.3 C	10.6	307	9.7 D	33.3	24.1	-0.6 D	-2.1 D	0.00		
81	1	28	19	3.5	328	19.8 B	5.7	320	17.7 B	9.5	322	8.3 D	32.3	24.7	-0.6 D	-2.3 D	0.00		
81	1	28	20	4.7	340	12.8 C	6.8	338	8.0 D	11.3	318	4.3 E	31.1	25.9	-0.6 D	-2.0 D	0.00		
81	1	28	21	1.4	333	27.5 A	2.7	313	17.0 C	5.1	287	7.5 D	30.3	25.9	-0.3 E	-1.6 D	0.00		
81	1	28	22	3.1	148	8.5 D	3.9	184	10.6 D	1.2	246	19.4 B	28.2	25.3	0.8 E	-0.1 E	0.00		
81	1	28	23	3.1	169	25.9 A	2.9	198	29.3 A	13.1	263	2.9 F	28.0	24.6	0.3 E	1.0 E	0.00		
81	1	28	24	6.0	252	11.7 D	10.6	257	7.5 D	16.3	262	3.1 F	30.2	20.2	-0.4 D	-1.8 D	0.00		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV0

-----35 FT----- -----150 FT----- -----500 FT-----

				WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T		RAIN
YR	MO	DAY	HR	SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT	150-35	500-35	FALL
				(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	35F	35F	(F)	(F)	(IN)
81	1	29	1	5.6	269	18.2 D	10.8	270	10.5 D	15.4	269	7.2 E	30.1	17.6	-0.5 D	-2.3 D	0.00
81	1	29	2	3.9	323	18.7 B	6.2	294	12.4 D	9.8	291	11.3 D	29.4	18.6	-0.6 D	-2.3 D	0.00
81	1	29	3	8.3	310	23.7 A	13.2	299	16.2 C	16.4	292	11.7 D	28.7	18.8	-0.9 D	-2.7 D	0.00
81	1	29	4	5.6	285	22.5 A	10.9	280	11.1 D	13.2	288	8.8 D	27.8	17.6	-0.6 D	-2.5 D	0.00
81	1	29	5	6.9	324	12.8 C	10.8	307	7.9 D	13.3	304	7.6 D	26.5	13.1	-0.7 D	-2.6 D	0.00
81	1	29	6	6.5	319	19.8 B	11.0	306	10.1 D	14.2	293	8.0 D	25.6	13.9	-0.7 D	-2.4 D	0.00
81	1	29	7	6.1	269	17.7 B	10.1	268	8.9 D	13.7	270	6.8 E	25.7	14.0	-0.7 D	-2.6 D	0.00
81	1	29	8	6.3	289	22.2 B	12.4	282	12.4 D	14.9	287	8.7 D	24.9	15.0	-0.7 D	-2.5 D	0.00
81	1	29	9	7.1	307	25.4 A	13.2	296	14.4 C	16.7	293	9.3 D	24.7	13.2	-0.9 D	-2.8 D	0.00
81	1	29	10	8.6	309	17.3 C	14.7	294	10.3 D	19.3	291	7.0 E	24.6	11.3	-0.9 D	-3.0 D	0.00
81	1	29	11	7.9	294	25.7 A	13.4	290	16.2 C	14.7	291	9.9 D	24.7	12.2	-1.0 C	-2.9 D	0.00
81	1	29	12	8.1	296	16.3 C	15.6	292	5.0 E	17.2	291	3.7 F	25.4	10.7	-1.4 A	-3.3 D	0.00
81	1	29	13	99.9	999	99.9 -	14.5	275	99.9 -	17.6	290	99.9 -	999.9	999.9	999.9 -	-3.4 D	0.01
81	2	9	6	5.2	194	14.8 C	9.1	206	9.2 D	17.1	218	6.2 E	14.4	8.0	-0.4 D	-1.4 D	0.00
81	2	9	7	5.0	204	21.0 B	8.0	212	12.7 C	13.4	224	10.0 D	14.0	8.0	-0.5 D	-1.9 D	0.00
81	2	9	8	5.0	207	27.6 A	8.0	210	14.9 C	11.9	227	13.5 C	13.9	7.8	-0.4 D	-1.8 D	0.00
81	2	9	9	8.1	207	11.4 D	11.0	213	10.0 D	16.8	216	6.8 E	16.2	8.4	-1.0 C	-2.7 D	0.00
81	2	9	10	9.0	220	15.6 C	10.8	214	13.7 C	14.1	214	9.3 D	19.6	9.5	-1.3 A	-3.4 D	0.00
81	2	9	11	11.3	217	16.4 C	14.0	221	10.1 D	16.9	217	8.1 D	21.4	999.9	-1.3 A	-3.4 D	0.00
81	2	9	12	10.5	203	20.4 B	13.9	208	13.9 C	16.5	216	12.4 D	23.4	8.8	-1.4 A	-3.6 D	0.00
81	2	9	13	10.3	212	19.0 B	13.2	216	15.7 C	16.6	215	10.2 D	999.9	7.5	999.9 -	-3.5 D	0.00
81	2	9	14	10.1	219	16.3 C	12.8	220	11.5 D	15.4	216	12.1 D	999.9	8.6	999.9 -	-3.5 D	0.00
81	2	9	15	9.9	207	12.2 D	13.6	207	11.8 D	16.8	214	10.4 D	999.9	9.1	999.9 -	-3.5 D	0.00
81	2	9	20	99.9	999	99.9 -	99.9	999	99.9 -	14.0	200	99.9 -	999.9	999.9	0.5 E	-0.3 E	9.99
81	2	9	21	99.9	999	99.9 -	99.9	999	99.9 -	13.5	195	99.9 -	999.9	999.9	1.3 F	1.1 E	9.99
81	2	9	22	99.9	999	99.9 -	99.9	999	99.9 -	13.0	190	99.9 -	999.9	999.9	999.9 -	0.5 E	9.99
81	2	9	23	99.9	999	99.9 -	99.9	999	99.9 -	12.5	185	99.9 -	999.9	999.9	999.9 -	0.5 E	9.99
81	2	9	24	2.8	49	21.7 B	2.9	48	55.3 A	10.1	176	6.4 E	24.5	15.2	0.3 E	0.2 E	0.00
81	2	10	5	2.0	64	45.8 A	5.4	99	8.7 D	17.9	134	1.6 G	26.7	15.1	-0.1 E	1.5 E	0.00
81	2	10	6	2.9	38	19.6 B	7.0	64	8.5 D	11.9	104	5.5 E	28.2	15.9	0.0 E	-0.8 E	0.00
81	2	10	7	3.7	49	22.8 A	8.0	61	13.6 C	14.2	92	4.5 E	29.5	17.4	-0.1 E	-1.0 E	0.00
81	2	10	8	6.0	76	19.0 B	11.8	85	10.5 D	21.4	110	3.4 F	31.9	15.9	-0.2 E	-1.4 D	0.00
81	2	10	9	5.6	86	29.9 A	9.8	87	11.5 D	18.1	113	7.7 D	34.4	15.6	-0.4 D	-1.9 D	0.00
81	2	10	10	5.1	113	58.5 A	10.1	120	17.6 B	20.1	137	8.0 D	37.9	15.5	-0.3 E	-1.7 D	0.00
81	2	10	11	4.4	87	28.4 A	7.6	121	18.5 B	16.7	138	7.4 E	40.4	14.8	-0.5 D	-2.1 D	0.00
81	2	10	12	6.3	127	33.9 A	13.0	126	14.8 C	25.8	140	6.8 E	40.4	24.8	-0.4 D	-1.7 D	0.01
81	2	10	13	5.1	136	30.2 A	11.3	141	15.8 C	22.0	149	9.5 D	39.2	31.1	-0.5 D	-1.9 D	0.02
81	2	10	14	3.8	57	16.9 C	5.6	76	15.5 C	11.3	121	8.6 D	35.5	33.7	-0.6 D	-2.0 D	0.05
81	2	10	15	3.4	56	19.2 B	7.2	66	10.6 D	11.2	105	5.2 E	34.9	33.9	-0.5 D	-1.9 D	0.03
81	2	10	16	4.6	49	19.0 B	7.4	75	14.8 C	16.8	120	5.3 E	36.7	35.2	-0.1 E	-1.6 D	0.05
81	2	14	12	2.0	285	99.9 -	2.5	220	99.9 -	3.0	220	99.9 -	35.0	16.8	-0.8 D	-1.4 D	0.00
81	2	14	13	3.5	235	99.9 -	4.0	230	99.9 -	4.8	230	99.9 -	40.0	1.9	-1.3 A	-3.0 D	0.00
81	2	14	14	3.0	230	99.9 -	3.5	240	99.9 -	4.2	240	99.9 -	42.5	1.3	-1.4 A	-3.5 D	0.00
81	2	14	15	3.5	255	99.9 -	4.0	255	99.9 -	4.8	255	99.9 -	43.5	3.5	-1.2 A	-3.2 D	0.00
81	2	14	16	2.0	270	99.9 -	2.0	270	99.9 -	2.4	270	99.9 -	44.5	4.1	-1.0 C	-2.8 D	0.00
81	2	14	17	1.0	250	99.9 -	1.0	200	99.9 -	2.0	300	99.9 -	41.5	12.9	1.3 F	0.2 E	0.00
81	2	14	18	1.5	50	99.9 -	2.0	350	99.9 -	3.9	350	99.9 -	35.0	22.9	6.0 G	7.2 F	0.00
81	2	14	19	1.5	130	99.9 -	2.0	15	99.9 -	3.9	20	99.9 -	32.0	2.9	8.0 G	9.0 F	0.00

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV0

-----35 FT-----150 FT-----500 FT-----

				WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW					RAIN
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT	DELTA T	DELTA T		FALL	
YR	MO	DAY	HR	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(F)	(F)	150-35	500-35		(IN)	
81	2	14	20	1.5	165	99.9 -	2.0	220	99.9 -	3.9	40	99.9 -	29.5	19.6	3.3 G	9.8 F	0.00		
81	2	14	21	1.5	140	99.9 -	2.0	210	99.9 -	3.9	80	99.9 -	27.5	17.9	3.6 G	9.9 F	0.00		
81	2	14	22	1.5	160	99.9 -	2.0	360	99.9 -	5.5	130	99.9 -	26.0	18.5	3.1 G	10.8 G	0.00		
81	2	14	23	1.5	165	99.9 -	2.0	15	99.9 -	5.5	130	99.9 -	25.0	17.9	3.2 G	11.3 G	0.00		
81	2	14	24	1.2	125	9.8 D	1.1	17	5.5 E	5.3	133	2.3 F	23.5	16.9	3.0 G	11.6 G	0.00		
81	2	15	16	4.8	162	31.6 A	8.7	163	16.4 C	10.0	161	10.8 D	56.3	18.2	-0.9 D	-2.7 D	0.00		
81	2	15	17	2.4	140	37.5 A	6.5	134	9.8 D	8.2	150	5.3 E	55.2	23.1	0.1 E	-1.5 D	0.00		
81	2	15	18	2.3	147	9.0 D	3.6	157	5.1 E	8.3	165	3.3 F	42.8	29.9	7.9 G	10.4 G	0.00		
81	2	15	19	2.4	141	17.7 B	5.2	207	7.2 E	7.3	183	2.9 F	38.6	28.4	7.4 G	11.9 G	0.00		
81	2	15	20	1.8	155	10.9 D	2.9	224	8.5 D	9.5	200	3.2 F	36.6	27.8	5.4 G	11.8 G	0.00		
81	2	15	21	1.5	140	8.7 D	2.1	218	19.2 B	5.7	198	4.1 E	34.0	27.7	5.5 G	11.8 G	0.00		
81	2	15	22	1.1	139	9.5 D	1.9	22	5.8 E	5.2	170	2.6 F	32.4	26.4	4.5 G	11.8 G	0.00		
81	2	15	23	0.8	132	4.8 E	1.7	27	23.8 A	6.7	165	3.0 F	31.3	26.3	4.4 G	11.8 G	0.00		
81	2	15	24	0.7	162	1.9 G	1.5	283	39.2 A	5.1	182	2.6 F	30.1	26.3	3.5 G	11.8 G	0.00		
81	2	16	1	1.5	109	8.0 D	3.7	33	11.7 D	6.7	155	4.1 E	29.4	25.5	3.0 G	11.8 G	0.00		
81	2	16	2	2.0	100	6.7 E	3.3	39	8.1 D	8.1	161	6.2 E	28.8	25.4	2.6 G	11.8 G	0.00		
81	2	16	3	2.0	122	12.3 D	3.8	31	10.3 D	7.6	172	6.1 E	27.7	24.8	3.7 G	11.8 G	0.00		
81	2	16	4	2.5	122	7.8 D	3.7	36	9.5 D	7.0	175	5.3 E	28.1	24.9	3.0 G	11.9 G	0.00		
81	2	23	6	2.3	181	57.2 A	4.0	198	29.5 A	11.2	188	11.6 D	50.3	48.9	0.4 E	-0.5 E	0.03		
81	2	23	7	6.1	215	20.9 B	9.1	219	16.4 C	15.0	222	10.9 D	49.0	47.2	-0.4 D	-1.4 D	0.15		
81	2	23	8	7.1	228	12.9 C	9.3	234	12.0 D	14.8	237	6.8 E	46.5	44.1	-0.6 D	-2.2 D	0.02		
81	2	23	9	5.5	203	17.1 C	7.6	214	13.4 C	12.0	221	10.3 D	44.6	42.5	-0.7 D	-2.4 D	0.01		
81	2	23	10	5.2	196	16.1 C	7.4	205	13.0 C	11.7	209	9.3 D	43.6	999.9	-0.6 D	-2.8 D	0.03		
81	2	23	11	8.2	215	13.3 C	10.6	224	13.9 C	14.8	225	9.9 D	41.6	37.0	-0.8 D	-3.2 D	0.02		
81	2	23	12	5.3	216	19.1 B	6.9	219	13.8 C	9.8	217	11.7 D	40.0	37.6	-0.8 D	-3.0 D	0.00		
81	2	23	13	5.4	202	19.9 B	7.0	202	14.9 C	9.5	200	11.9 D	40.2	37.9	-0.8 D	-3.0 D	0.00		
81	2	23	14	3.2	170	35.9 A	4.5	163	24.7 A	7.1	166	17.0 C	40.7	38.3	-0.9 D	-2.8 D	0.00		
81	2	23	15	4.2	168	31.1 A	6.5	165	20.0 B	8.7	166	15.4 C	43.0	39.4	-1.1 B	-3.3 D	0.00		
81	2	23	16	4.8	170	27.2 A	7.9	165	17.7 B	9.5	163	15.3 C	46.0	37.9	-1.3 A	-3.5 D	0.00		
81	2	23	17	3.2	156	29.5 A	6.1	156	17.6 B	9.2	161	12.8 C	46.3	37.1	-0.6 D	-2.8 D	0.00		
81	2	23	18	5.0	191	24.2 A	7.2	195	18.7 B	12.0	195	11.8 D	43.2	37.6	-0.5 D	-2.8 D	0.01		
81	2	23	19	4.7	213	15.4 C	5.8	195	13.0 C	13.0	174	7.1 E	41.3	37.4	-0.5 D	-2.0 D	0.00		
81	2	23	20	2.5	242	38.7 A	3.6	186	29.0 A	13.1	173	7.6 D	40.6	37.4	-0.3 E	-1.1 E	0.00		
81	2	23	21	2.6	214	50.1 A	5.0	171	31.9 A	15.2	179	5.8 E	40.7	36.9	-0.1 E	-0.9 E	0.00		
81	2	23	22	3.3	201	18.0 B	5.8	211	11.6 D	12.6	197	6.2 E	40.1	999.9	0.4 E	-0.6 E	0.00		
81	2	23	24	3.0	164	22.1 B	6.1	167	13.0 C	14.3	183	6.5 E	39.4	35.6	0.0 E	-1.2 E	0.00		
81	2	24	1	4.2	189	14.2 C	7.1	188	10.5 D	14.1	196	4.9 E	39.0	35.0	-0.1 E	-1.1 E	0.00		
81	2	24	2	8.8	226	13.9 C	11.2	226	10.6 D	17.1	222	7.9 D	40.0	32.0	-0.4 D	-2.1 D	0.00		
81	2	24	3	5.9	212	12.9 C	8.0	214	11.8 D	12.1	213	9.0 D	38.7	32.2	-0.5 D	-2.3 D	0.00		
81	2	24	4	5.3	208	16.2 C	7.1	211	12.3 D	11.5	216	10.5 D	37.4	33.3	-0.5 D	-2.1 D	0.00		
81	2	24	5	5.1	203	13.1 C	7.0	209	11.3 D	11.1	214	10.6 D	37.3	32.7	-0.5 D	-2.1 D	0.00		
81	2	24	6	4.9	207	11.7 D	6.5	216	11.6 D	9.5	220	9.6 D	37.2	32.2	-0.5 D	-2.2 D	0.00		
81	2	24	7	3.8	216	15.5 C	5.1	216	16.0 C	7.9	231	10.5 D	37.0	32.4	-0.5 D	-2.2 D	0.00		
81	2	24	8	4.1	198	14.1 C	5.9	208	10.3 D	9.4	218	7.2 E	36.3	32.9	-0.5 D	-2.2 D	0.00		
81	2	24	9	5.5	210	14.9 C	6.9	215	11.3 D	10.4	221	10.1 D	36.0	33.7	-0.7 D	-2.4 D	0.00		
81	2	24	10	7.7	240	12.0 D	10.4	246	11.7 D	12.6	240	9.2 D	36.7	999.9	-0.8 D	-2.6 D	0.00		
81	2	24	11	8.0	239	12.6 C	10.7	244	11.6 D	13.4	245	8.8 D	37.4	31.4	-0.9 D	-2.8 D	0.00		
81	2	24	12	7.6	245	12.7 C	10.8	250	11.3 D	12.8	246	8.9 D	38.9	32.3	-1.1 B	-3.0 D	0.00		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV0

-----35 FT-----150 FT-----500 FT-----

				WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW					RAIN
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT	DELTA T	DELTA T		FALL	
YR	MO	DAY	HR	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(F)	(F)	(F)	(F)	(F)	(IN)	
81	2	24	13	7.7	244	12.7 C	10.8	249	11.0 D	13.5	250	8.0 D	38.6	32.7	-0.8 D	-2.6 D	0.00		
81	2	24	14	8.7	243	10.6 D	12.6	248	8.4 D	15.1	248	7.0 E	38.3	33.4	-0.8 D	-2.6 D	0.00		
81	2	24	15	8.3	245	11.9 D	11.8	250	8.8 D	14.9	246	8.6 D	38.6	33.8	-0.7 D	-2.4 D	0.00		
81	2	24	16	8.3	240	10.9 D	10.9	244	9.8 D	17.9	243	8.2 D	39.0	33.0	-0.7 D	-2.4 D	0.00		
81	2	24	17	8.8	243	9.6 D	12.7	252	8.2 D	16.3	249	6.8 E	39.4	32.0	-0.6 D	-2.3 D	0.00		
81	2	24	18	9.3	256	17.0 C	15.3	264	11.5 D	20.5	261	7.8 D	39.2	30.2	-0.6 D	-2.3 D	0.00		
81	2	24	19	9.1	235	13.4 C	12.4	242	11.6 D	16.6	239	10.0 D	38.7	30.0	-0.5 D	-2.3 D	0.00		
81	2	24	20	9.5	242	12.8 C	13.4	249	10.0 D	17.1	244	8.5 D	38.5	30.1	-0.5 D	-2.3 D	0.00		
81	2	24	21	8.8	239	10.8 D	12.1	245	10.1 D	16.7	245	8.2 D	38.4	30.3	-0.5 D	-2.3 D	0.00		
81	2	24	22	6.8	237	14.4 C	9.5	240	13.1 C	14.6	236	10.0 D	38.4	999.9	-0.5 D	-2.2 D	0.00		
81	2	24	23	6.5	222	18.8 E	8.2	226	15.9 C	14.1	225	11.6 D	38.0	30.9	-0.5 D	-2.1 D	0.00		
81	2	24	24	5.1	231	17.8 E	7.2	246	10.7 D	11.3	252	8.4 D	35.3	33.2	-2.5 D	-1.7 D	0.05		
81	3	10	19	4.3	207	99.9 -	5.5	220	99.9 -	8.0	245	99.9 -	37.5	33.0	-0.6 D	-2.2 D	0.00		
81	3	10	20	3.8	197	99.9 -	5.5	220	99.9 -	8.0	245	99.9 -	37.0	33.0	-0.4 D	-1.9 D	0.00		
81	3	10	21	2.8	177	99.9 -	5.0	200	99.9 -	6.5	250	99.9 -	37.0	33.5	0.3 E	-0.8 E	0.00		
81	3	10	22	2.3	177	99.9 -	3.5	200	99.9 -	5.5	230	99.9 -	35.0	33.5	0.5 E	-0.5 E	0.00		
81	3	10	23	1.8	152	99.9 -	2.5	180	99.9 -	5.0	210	99.9 -	34.5	33.0	1.0 F	0.0 E	0.00		
81	3	10	24	1.8	147	99.9 -	3.0	185	99.9 -	3.5	230	99.9 -	34.0	33.0	1.2 F	0.2 E	0.00		
81	3	11	1	2.3	177	99.9 -	3.5	205	99.9 -	7.0	240	99.9 -	34.0	33.5	0.2 E	-0.8 E	0.01		
81	3	11	2	1.6	140	15.9 C	1.3	331	23.3 A	4.8	206	16.7 C	33.9	33.6	0.6 E	-0.1 E	0.00		
81	3	11	3	2.0	131	13.0 C	1.9	243	28.0 A	7.9	243	6.6 E	33.4	33.1	1.2 F	0.8 E	0.00		
81	3	11	4	3.1	184	19.4 E	5.5	248	11.4 D	10.0	265	5.8 E	34.7	33.6	0.4 E	-0.3 E	0.00		
81	3	11	5	4.6	227	17.3 C	6.9	245	10.0 D	9.4	269	7.2 E	35.8	33.2	-0.2 E	-1.5 D	0.00		
81	3	11	6	5.8	247	16.8 C	8.6	259	12.5 C	12.1	273	8.5 D	35.9	33.1	-0.5 D	-2.1 D	0.00		
81	3	11	7	5.0	283	24.5 A	9.7	281	13.1 C	13.5	287	8.5 D	35.4	31.9	-0.6 D	-2.3 D	0.00		
81	3	11	8	6.7	303	22.8 A	12.0	295	9.6 D	15.0	306	8.5 D	34.4	28.9	-0.7 D	-2.5 D	0.00		
81	3	11	9	6.3	296	20.9 B	12.5	294	10.5 D	15.3	297	7.8 D	33.8	26.4	-0.9 D	-2.8 D	0.00		
81	3	11	10	7.9	297	21.0 B	15.0	293	11.7 D	17.6	293	8.7 D	35.2	21.7	-1.2 A	-3.1 D	0.00		
81	3	11	13	8.7	276	20.6 B	13.3	282	15.9 C	16.6	285	12.6 C	35.9	24.8	-1.4 A	-3.3 D	0.00		
81	3	11	14	6.4	304	27.1 A	10.1	297	21.8 B	14.4	299	12.8 C	34.6	27.4	-1.1 B	-2.9 D	0.00		
81	3	11	15	6.2	292	28.7 A	10.2	294	18.6 B	13.9	294	13.4 C	35.9	25.6	-1.1 B	-3.0 D	0.00		
81	3	11	16	8.2	301	23.6 A	13.7	299	15.2 C	16.9	299	10.6 D	37.0	20.4	-0.9 D	-2.8 D	0.00		
81	3	11	17	7.4	316	22.0 B	11.1	305	13.1 C	14.8	308	11.4 D	36.9	18.8	-1.0 C	-2.9 D	0.00		
81	3	11	18	6.5	308	24.0 A	9.5	310	16.5 C	13.7	320	12.9 C	34.3	19.5	-0.8 D	-2.7 D	0.00		
81	3	11	19	5.1	308	26.6 A	7.7	305	17.5 B	11.8	313	14.2 C	32.4	19.4	-0.7 D	-2.5 D	0.00		
81	3	11	20	5.8	303	24.2 A	9.3	300	14.4 C	12.4	306	11.1 D	31.5	21.0	-0.7 D	-2.5 D	0.00		
81	3	11	21	6.5	311	22.0 B	10.5	304	14.0 C	13.3	303	9.8 D	30.9	19.9	-0.7 D	-2.5 D	0.00		
81	3	11	22	5.8	305	19.0 B	9.8	297	9.0 D	11.8	296	9.2 D	29.8	19.7	-0.7 D	-2.6 D	0.00		
81	3	11	23	6.7	299	23.9 A	11.6	291	13.3 C	14.9	291	8.8 D	29.2	17.7	-0.7 D	-2.5 D	0.00		
81	3	11	24	5.3	265	21.9 B	9.3	273	12.1 D	12.5	276	9.3 D	29.0	19.2	-0.7 D	-2.6 D	0.00		
81	3	12	1	5.9	263	16.6 C	10.0	271	11.2 D	12.8	273	8.2 D	28.9	19.5	-0.7 D	-2.6 D	0.00		
81	3	12	2	6.0	249	15.2 C	8.8	255	11.9 D	11.7	259	7.6 D	28.2	19.8	-0.6 D	-2.4 D	0.00		
81	3	12	3	4.3	223	17.7 B	6.2	230	13.6 C	11.6	243	7.7 D	27.0	19.3	-0.4 D	-1.9 D	0.00		
81	3	12	4	4.5	209	18.5 B	6.4	219	15.0 C	11.7	230	8.7 D	26.3	19.1	-0.5 D	-1.8 D	0.00		
81	3	12	5	4.1	216	18.1 B	6.4	221	16.2 C	9.2	225	13.3 C	26.7	19.3	-0.6 D	-2.1 D	0.00		
81	3	12	6	4.9	227	20.2 B	6.3	229	14.1 C	10.9	228	11.2 D	28.2	20.0	-0.6 D	-2.2 D	0.00		
81	3	12	7	6.1	222	16.6 C	8.2	225	14.2 C	13.8	224	10.6 D	29.2	20.5	-0.6 D	-2.3 D	0.00		
81	3	12	8	8.2	214	10.9 D	10.2	217	10.9 D	16.1	218	8.4 D	30.3	20.5	-0.6 D	-2.4 D	0.00		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV0

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB. TEMP 35F	DEW POINT 35F	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV SC(DEC)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV SC(DEC)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV SC(DEC)					
81	3	12	9	8.7	234	18.3 B	11.1	232	13.6 C	15.4	223	12.6 C	33.6	21.5	-1.0 C	-2.9 D	0.00
81	3	12	10	11.4	228	18.2 B	15.0	232	13.6 C	20.2	219	10.3 D	37.2	22.4	-1.1 B	-3.1 D	0.00
81	3	12	11	12.4	233	17.2 C	16.3	237	14.0 C	21.4	235	10.1 D	40.8	25.0	-1.2 A	-3.4 D	0.00
81	3	12	12	12.9	232	16.8 C	16.4	236	13.2 C	21.2	231	9.0 D	43.6	26.1	-1.2 A	-3.5 D	0.00
81	3	12	13	13.3	229	16.0 C	17.0	234	15.1 C	21.0	234	11.8 D	47.0	25.6	-1.3 A	-3.5 D	0.00
81	3	12	14	13.7	237	18.9 B	19.3	243	14.9 C	24.1	239	11.7 D	49.5	23.8	-1.2 A	-3.3 D	0.00
81	3	12	15	14.3	237	17.3 C	20.1	245	14.6 C	25.4	241	11.1 D	51.1	24.0	-1.2 A	-3.1 D	0.00
81	3	12	16	14.1	241	13.4 C	20.3	246	12.3 D	25.4	241	9.4 D	52.1	24.5	-1.0 C	-2.9 D	0.00
81	3	12	17	12.2	231	14.6 C	16.3	236	13.2 C	23.0	233	9.9 D	51.6	25.8	-0.8 D	-2.6 D	0.00
81	3	12	18	9.2	229	13.5 C	12.1	233	11.6 D	19.2	233	9.3 D	50.3	25.8	-0.5 D	-2.1 D	0.00
81	3	12	19	8.0	233	9.5 D	10.9	238	9.4 D	17.5	238	7.2 E	49.0	25.2	-0.3 E	-1.7 D	0.00
81	3	12	20	7.5	220	14.5 C	10.5	230	10.2 D	18.2	234	7.1 E	48.0	25.3	0.0 E	-1.2 E	0.00
81	3	12	21	7.6	229	14.6 C	9.9	232	11.9 D	18.0	225	8.7 D	48.0	24.5	-0.2 E	-1.6 D	0.00
81	3	12	22	9.9	230	14.3 C	13.6	236	11.0 D	21.3	234	8.3 D	48.0	24.1	-0.3 E	-1.7 D	0.00

BEAVER VALLEY

JOINT FREQUENCY DISTRIBUTION TABLES
FOR
CONTINUOUS RELEASE

FOR

$\Delta T(150\text{FT}-35\text{FT})$ AND 35-FT WIND

AND

$\Delta T(500\text{FT}-35\text{FT})$ AND 500-FT WIND

(APRIL 1, 1981 - JUNE 30, 1981)

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	1	4	1	3	2	4	1	1	2	0	0	1	4	0	2	0	26
3.50- 7.49	18	10	8	7	2	4	9	15	13	22	18	38	34	23	30	27	282
7.50-12.49	13	0	0	0	0	0	0	0	1	9	23	12	12	11	3	11	95
12.50-18.49	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	14	9	10	4	8	10	16	16	31	46	51	54	34	35	38	408

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	1	0	1	0	2	1	2	1	0	0	0	1	0	0	2	1	12
3.50- 7.49	3	0	0	1	0	0	0	0	2	5	5	7	1	5	2	1	32
7.50-12.49	1	0	0	0	0	0	0	0	0	2	7	6	3	1	1	0	21
12.50-18.49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	0	1	1	2	1	2	1	2	7	13	14	4	6	5	2	66

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (424)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	0	1	1	2	1	1	1	1	2	0	1	1	0	1	1	0	14
3.50- 7.49	2	0	0	1	1	0	1	1	1	3	4	6	1	5	3	5	34
7.50-12.49	0	0	0	0	0	0	0	0	0	1	5	2	1	0	1	0	10
12.50-18.49	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
18.50-23.99	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	1	1	3	2	1	2	2	3	5	10	10	2	6	5	5	60

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (424)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
0.75- 3.49	11	11	24	11	8	5	3	6	5	7	5	13	12	13	15	21	170
3.50- 7.49	14	1	3	6	3	0	1	1	6	34	35	33	20	27	31	24	235
7.50-12.49	0	0	0	0	0	0	0	0	0	19	19	19	22	7	1	0	87
12.50-18.49	0	0	0	0	0	0	0	0	0	2	1	2	1	2	0	0	8
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	12	27	17	11	5	4	7	11	58	60	67	55	49	47	45	500

PROGRAM: JFD REVISION: 4P

REAPER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLRV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	3
0.75- 3.49	23	18	32	42	45	15	22	22	21	10	7	3	7	11	17	10	306
3.50- 7.49	0	2	3	5	5	1	2	1	14	39	24	15	4	12	5	8	141
7.50-12.49	0	0	0	0	0	0	0	0	0	3	7	6	3	1	0	0	20
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	23	20	35	47	49	16	24	23	35	52	38	25	15	24	22	18	672

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	12
0.75- 3.49	1	7	4	15	38	43	43	28	11	8	1	1	1	1	0	5	207
3.50- 7.49	0	0	0	0	0	0	0	0	4	8	0	0	0	0	0	0	12
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	7	4	15	38	43	43	28	15	16	1	2	1	1	0	5	232

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	1	1	2	7	20	47	116	34	9	3	0	0	0	0	0	1	26
3.50- 7.49	0	0	0	0	0	0	0	0	4	1	0	0	0	1	0	0	241
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	2	7	20	47	116	34	13	4	0	0	0	1	0	1	273

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	39	42	65	80	117	116	188	93	50	28	14	20	24	26	37	38	976
3.50- 7.49	40	13	14	20	9	5	13	18	44	108	86	99	64	73	71	65	742
7.50-12.49	14	0	0	0	0	0	0	0	1	34	61	46	41	20	6	11	234
12.50-18.49	0	0	0	0	0	0	0	0	0	3	7	4	2	2	0	0	18
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	92	55	79	100	126	121	201	111	95	173	168	169	131	121	114	114	2011

PROGRAM: JFD REVISION: 4P

HEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLRV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 2011

TOTAL NUMBER OF MISSING OBSERVATIONS: 173

PERCENT DATA RECOVERY FOR THIS PERIOD: 92.1 %

MEAN WIND SPEED FOR THIS PERIOD: 4.0 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 6

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
20.29	3.28	2.98	24.86	23.47	11.54	13.58

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NVE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	32	14	9	10	4	8	10	16	16	31	46	51	54	34	35	38	0
B	5	0	1	1	1	1	2	1	2	7	13	14	4	6	5	2	0
C	2	1	1	3	2	1	2	2	3	5	11	10	2	6	5	5	0
D	25	12	27	17	1	5	4	7	11	58	63	67	55	49	47	45	0
E	26	20	35	47	4	16	24	23	35	52	38	25	15	24	22	18	3
F	1	7	4	15	5	3	43	28	15	16	1	2	1	1	0	5	12
G	1	1	2	7	2		11	34	13	4	0	0	0	1	0	1	26
TOTAL	92	55	79	100	126	4	201	114	95	173	168	169	131	121	114	114	41

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLPV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (KPH)	N	NNF	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
0.75- 3.49	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	3
3.50- 7.49	2	2	0	1	1	0	0	0	0	0	0	0	0	0	1	0	6
7.50-12.49	2	2	0	1	3	2	3	0	1	0	0	0	0	0	0	1	14
12.50-18.49	4	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	7
18.50-23.99	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
≥24.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL	12	4	1	2	4	2	5	0	1	1	0	0	0	0	1	1	29

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	1	1	0	2	1	0	0	0	3
3.50- 7.49	3	1	1	0	2	0	0	0	0	1	0	4	3	2	0	1	18
7.50-12.49	8	0	0	6	2	3	3	5	5	1	1	7	7	4	4	0	56
12.50-18.49	4	0	1	0	0	0	1	1	3	0	2	0	5	3	1	2	23
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
223.99	1	1	2	0	2	0	0	0	0	0	0	0	1	0	0	0	0
TOTAL	15	1	2	6	4	3	4	6	8	2	3	13	15	13	5	3	104

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	4	0	2	3	8	3	1	2	2	2	6	11	5	5	6	2	62
3.50- 7.49	11	8	8	6	15	7	6	5	7	12	11	9	12	9	18	11	157
7.50-12.49	11	2	8	11	15	4	16	9	21	47	32	33	32	38	50	27	374
12.50-18.49	13	2	4	6	1	7	5	5	3	26	79	39	44	56	19	18	332
18.50-23.99	2	0	0	1	0	0	0	0	0	7	23	6	26	12	3	0	80
223.99	1	0	0	0	0	0	0	0	0	3	1	4	5	4	0	0	17
TOTAL	41	12	22	27	37	23	24	21	33	97	152	112	129	124	96	78	1022

PROGRAM: JFD REVISION: 4P

REAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: DLHV2
 DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0. - 3.49	3	4	1	3	5	4	3	3	2	3	6	5	4	2	1	2	55
3.50- 7.49	5	15	8	19	2	6	8	12	8	13	11	13	10	11	9	4	161
7.50-12.49	10	4	2	2	1	11	15	5	11	10	21	15	13	8	6	12	196
12.50-18.49	4	2	1	0	0	4	4	3	8	27	38	10	9	3	6	2	121
18.50-23.99	0	1	0	0	0	2	2	1	1	5	10	0	3	0	0	0	25
221.99	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	22	26	12	24	15	27	32	24	30	58	87	43	43	24	22	20	509

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	3	3	4	0	6	3	4	0	4	4	6	10	12	5	5	2	80
3.50- 7.49	5	9	9	8	14	2	4	11	5	4	16	12	21	15	7	7	150
7.50-12.49	10	9	2	0	4	1	2	3	7	12	3	0	8	1	5	3	61
12.50-18.49	2	2	0	1	0	1	0	1	2	6	5	0	1	0	1	1	23
18.50-23.99	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
221.99	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	21	14	15	18	24	7	10	15	19	26	30	22	42	21	13	13	314

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: JLBV2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	1	0	0	1	2	0	0	0	0	0	1	1	6
3.50- 7.49	1	0	0	0	0	0	0	0	3	0	0	0	1	2	2	4	13
7.50-12.49	0	0	0	0	0	0	0	4	5	7	4	0	2	1	0	0	26
12.50-18.49	0	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	6
18.50-23.99	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	1	0	0	7	10	12	2	0	3	2	3	5	47

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	10	7	7	15	20	10	8	6	18	9	18	28	26	12	13	7	206
3.50- 7.49	29	35	26	34	40	17	18	28	23	30	38	38	47	39	37	27	505
7.50-12.49	41	8	13	20	23	21	42	26	49	77	59	55	62	51	65	63	675
12.50-18.49	27	6	8	8	1	12	12	11	16	64	124	49	64	62	27	23	514
18.50-23.99	3	1	6	1	0	2	2	2	1	12	33	6	24	16	3	0	111
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	109	57	54	78	64	62	82	73	99	195	274	180	233	184	145	120	2034

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBM2

DATA PERIOD EXAMINED: 4/ 1/81 - 6/30/81

*** SECOND QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2184

TOTAL NUMBER OF VALID OBSERVATIONS: 2034

TOTAL NUMBER OF MISSING OBSERVATIONS: 150

PERCENT DATA RECOVERY FOR THIS PERIOD: 93.1 %

MEAN WIND SPEED FOR THIS PERIOD: 10.0 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.29	1.38	5.11	50.25	25.02	15.63	2.31

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0
B	0	0	1	2	3	2	5	0	0	0	0	0	0	0	1	1	0
C	15	1	2	6	4	3	4	6	8	2	3	13	16	13	5	3	0
D	41	12	22	27	37	23	28	21	33	97	152	102	129	124	96	78	0
E	22	26	12	24	15	27	32	24	38	58	87	43	43	24	22	20	0
F	21	14	15	18	24	7	10	15	18	26	33	22	42	21	18	13	4
G	1	0	0	0	1	0	0	7	10	12	2	0	3	2	3	5	1
TOTAL	119	57	54	78	84	62	82	73	99	195	274	180	233	194	165	120	5

BEAVER VALLEY

JOINT FREQUENCY DISTRIBUTION TABLES

FOR

BATCH RELEASES

SECOND QUARTER 1981

PROGRAM: JED

BEAVER VALLEY JFD - GR

DATA PERIOD EXAMINED:

*** SECOND QUARTER 1981

STABILITY CLASS A

STABILITY BASED ON: DELTA T

WIND	MEASURED	AT:	30
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WIND THRESHOLD AT: 0

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

[illegible]

STABILITY CLASS B

STABILITY BASED ON: DELTA T

WIND	MEASURED	AT:	3
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WIND THRESHOLD AT: 0

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

[illegible]

PROGRAM: JFD REVISION: 00

BEAVER VALLEY JFD - GROUND LEVEL HATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 7/81 - 6/17/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-17.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.50-22.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.50-27.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3
3.50- 7.49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-17.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.50-22.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.50-27.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	6

PROGRAM: JFD REVISION: 4P
BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASE
SITE IDENTIFIER: 01AV2
DATA PERIOD EXAMINED: 4/ 7/81 - 6/17/81

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SECTED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0-75-	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
75-125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125-175-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175-225-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225-275-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275-325-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325-375-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375-425-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425-475-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
475-525-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
525-575-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575-625-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
625-675-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
675-725-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
725-775-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
775-825-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
825-875-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
875-925-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-975-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
975-1025-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1025-1075-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1075-1125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125-1175-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1175-1225-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1225-1275-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1275-1325-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1325-1375-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1375-1425-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1425-1475-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1475-1525-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1525-1575-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1575-1625-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1625-1675-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1675-1725-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1725-1775-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1775-1825-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1825-1875-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1875-1925-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1925-1975-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975-2025-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025-2075-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2075-2125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2125-2175-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2175-2225-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2225-2275-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2275-2325-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2325-2375-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2375-2425-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2425-2475-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2475-2525-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2525-2575-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2575-2625-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2625-2675-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2675-2725-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2725-2775-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2775-2825-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2825-2875-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2875-2925-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2925-2975-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2975-3025-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3025-3075-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3075-3125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3125-3175-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3175-3225-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3225-3275-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3275-3325-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3325-3375-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3375-3425-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3425-3475-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3475-3525-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3525-3575-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3575-3625-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3625-3675-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3675-3725-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3725-3775-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3775-3825-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3825-3875-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3875-3925-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3925-3975-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3975-4025-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4025-4075-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4075-4125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4125-4175-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4175-4225-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4225-4275-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4275-4325-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4325-4375-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4375-4425-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4425-4475-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4475-4525-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4525-4575-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4575-4625-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4625-4675-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4675-4725-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4725-4775-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4775-4825-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4825-4875-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4875-4925-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4925-4975-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4975-5025-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5025-5075-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5075-5125-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5125-5175-	0	0	0	0	0	0	0	0	0								

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

[illegible]

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL HATCH RELEASE

SITE IDENTIFIER: JLBV2

DATA PERIOD EXAMINED: 4/ 7/81 - 6/17/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	1	5	7	0	0	0	0	0	0	0	0	4
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	5	7	0	0	0	0	0	0	0	0	17

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH) CALC	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	1	0	1	0	0	1	6	7	0	0	0	0	1	0	1	2	6
3.50- 7.49	2	0	0	0	0	0	0	0	0	0	0	3	3	0	1	3	20
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12
12.50-18.49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	1	0	0	1	6	7	0	0	0	3	4	0	2	6	39

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - GROUND LEVEL HATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 7/81 - 6/17/81

*** SECOND QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 39

TOTAL NUMBER OF VALID OBSERVATIONS: 39

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 2.6 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA:

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
25.64	0.00	0.00	15.38	12.52	2.56	43.59

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	1	0	0	0	0	0	0	0	0	0	0	3	3	0	0	3	0
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1	0	0	0	0	0	2	0	0	0	0	0	1	0	1	3	0
E	1	0	1	0	0	0	1	2	0	0	0	0	0	0	1	0	1
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
G	0	0	0	0	0	1	5	7	0	0	2	0	0	0	0	2	4
TOTAL	3	0	1	0	0	1	6	7	0	0	0	3	4	0	2	6	6

PROGRAM: JFO

BEAVER VALLEY JFD - FLR

DATA PERIOD EXAMINED:

*** SECOND QUARTER 1981 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

[illegible]

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE

SITE IDENTIFIER: DLRV2

DATA PERIOD EXAMINED: 4/ 5/81 - 6/29/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
3.50- 7.49	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	3
7.50-12.49	0	0	0	0	0	1	0	2	4	1	0	0	0	0	1	0	9
12.50-18.49	0	0	0	0	0	0	1	1	3	0	1	0	0	1	1	0	8
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
22.5-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	1	3	7	1	1	2	2	5	2	0	25

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	1	2	0	0	1	0	0	2	4	3	1	2	0	16
3.50- 7.49	4	0	0	1	1	1	1	1	2	3	0	1	1	3	7	2	28
7.50-12.49	2	0	1	1	6	3	7	3	5	14	5	3	7	10	17	12	96
12.50-18.49	1	0	0	0	1	6	1	1	2	4	10	8	16	31	10	3	94
18.50-23.99	0	0	0	1	0	0	0	0	0	0	5	1	14	4	3	0	28
22.5-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	0	1	4	10	10	9	6	9	21	22	17	41	50	39	17	263

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 5/81 - 6/29/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	1	0	0	0	0	0	0	2	0	1	0	0	0	4
3.50- 7.49	2	2	1	4	0	1	1	2	2	3	1	0	3	3	5	1	31
7.50-12.49	1	0	0	0	0	3	10	3	2	1	3	6	7	5	1	5	47
12.50-18.49	0	0	0	0	0	1	1	2	2	7	10	1	3	2	1	1	31
18.50-23.99	0	0	0	0	0	2	2	0	0	1	5	0	0	0	0	0	10
223.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	3	2	1	5	0	7	14	7	6	12	22	7	14	10	7	7	124

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CALM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	1	2	0	0	1	0	0	0	1	0	1	0	1	0	7
3.50- 7.49	0	1	1	0	2	0	0	1	2	0	2	1	2	1	1	0	14
7.50-12.49	6	0	0	0	1	0	0	0	1	2	0	0	0	0	0	1	11
12.50-18.49	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223.99	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	2	0
TOTAL	8	2	2	2	3	1	1	1	3	2	3	1	3	1	2	1	39

PROGRAM: JFD REVISION: 4P

HEAVER VALLEY JFD - ELEVATED BATCH RELEASE
SITE IDENTIFIER: DLBV2
DATA PERIOD EXAMINED: 4/ 5/81 - 6/29/81

*** SECOND QUARTER 1981 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3.50- 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50-12.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.50-18.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.50-23.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.00-29.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH) CAL	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
0.75- 3.49	0	0	1	4	2	0	1	1	1	0	5	5	5	1	3	0	29
3.50- 7.49	5	3	2	5	3	2	2	4	6	6	3	3	9	7	13	3	76
7.50-12.49	9	0	1	1	8	9	22	8	12	14	8	9	14	15	19	18	171
12.50-18.49	3	1	0	0	1	8	4	4	7	11	21	9	13	34	12	4	138
18.50-23.99	0	0	0	1	0	2	2	0	0	1	10	1	14	8	3	0	42
24.00-29.99	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
TOTAL	13	4	4	11	16	21	31	17	26	36	48	27	60	66	50	25	462

PROGRAM: JFD REVISION: 4P

BEAVER VALLEY JFD - ELEVATED BATCH RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 4/ 5/81 - 6/29/81

*** SECOND QUARTER 1981 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: 0.75 MPH

TOTAL NUMBER OF OBSERVATIONS: 462

TOTAL NUMBER OF VALID OBSERVATIONS: 462

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 11.2 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
0.65	1.30	5.41	56.93	26.84	8.44	0.43

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
B	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	1	1	3	7	1	1	2	2	5	2	0	0
D	7	0	1	4	10	10	9	6	9	21	22	17	41	50	39	17	0
E	3	2	1	5	0	7	14	7	6	12	22	7	14	10	7	7	0
F	8	2	2	2	3	1	1	1	3	2	3	1	3	1	2	1	3
G	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL	18	4	4	11	14	21	31	17	26	36	48	27	60	66	50	25	4

BEAVER VALLEY

LISTING OF METEOROLOGICAL DATA

FOR

PERIODS OF GASEOUS EFFLUENT RELEASES

AT

THE 150-FT LEVEL

(GROUND-LEVEL)

150FT-LEVEL BATCH RFV0

WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	TEMP 35F	DEW POINT 35F	DELTA T 150-35	DELTA T 500-35	RAIN FALL
(MPH)	(DEG)SC	(DEG) SC	(MPH)	(DEG)SC	(DEG)SC	(MPH)	(DEG)SC	(DEG)SC	(MPH)	(DEG)SC	(DEG)SC	(F)	(F)	(F)	(F)	(IN)
2.5	160	99.9 -	3.8	195	99.9 -	11.5	185	99.9 ~	52.0		29.8			6.5 G	6.9 F	0.00
8.8	328	30.0 A	12.3	327	21.5 B	16.2	325	16.1 C	58.7		37.7			-1.3 A	-3.5 D	0.00
3.7	315	18.3 B	5.5	324	14.2 C	11.1	332	6.9 E	54.6		29.8			-0.4 D	-1.8 U	0.00
2.5	319	18.7 B	5.6	309	8.2 D	12.7	321	2.5 F	52.0		51.1			0.6 E	-0.3 E	0.00
1.3	103	26.0 A	3.5	346	13.5 C	10.7	343	4.0 E	44.4		35.1			4.8 G	5.8 F	0.00
1.8	141	34.0 A	2.5	326	54.8 A	8.5	3	6.1 E	40.5		34.7			4.8 G	8.0 F	0.00
1.8	143	20.9 B	2.6	243	30.9 A	4.4	249	7.9 D	38.4		31.4			3.9 G	8.6 F	0.00
2.2	140	17.8 B	2.9	212	12.9 C	4.0	280	7.4 E	35.9		31.6			4.7 G	8.4 F	0.00
2.0	137	15.7 C	3.4	204	10.9 D	3.8	238	6.8 E	34.2		30.8			4.9 G	8.9 F	0.00
1.8	140	15.9 C	2.2	175	19.2 B	3.8	251	9.2 D	33.1		30.7			3.7 G	8.8 F	0.00
0.5	147	16.7 C	1.7	360	40.5 A	0.8	81	17.8 B	38.7		37.7			3.0 G	9.0 F	0.00
0.5	140	8.9 D	2.1	44	19.3 B	0.7	322	6.3 E	37.9		37.6			3.1 G	8.6 F	0.00
0.5	141	9.6 D	1.8	11	6.6 E	1.8	63	6.4 E	38.4		38.1			2.3 F	7.5 F	0.00
0.6	20	38.9 A	1.4	34	22.1 B	4.0	86	4.1 E	43.7		40.7			0.2 E	5.6 F	0.00
1.2	357	14.8 C	1.7	41	25.2 A	3.6	83	7.3 E	45.9		41.9			-0.1 E	3.4 E	0.00
2.3	345	21.0 B	2.1	9	29.8 A	1.7	122	16.8 C	59.9		41.2			-0.6 D	-0.1 E	0.00
3.5	263	30.9 A	3.8	266	24.9 A	3.1	257	21.0 B	74.4		32.8			-1.4 A	-3.7 D	0.00
3.6	246	32.8 A	3.9	265	17.3 C	3.1	249	15.9 C	76.7		33.2			-1.4 A	-4.0 C	0.00
4.2	264	17.1 C	4.3	266	13.2 C	2.3	232	20.5 B	78.4		31.4			-1.6 A	-3.8 D	0.00
3.8	267	17.3 C	4.5	271	10.7 D	2.2	273	29.9 A	84.8		33.6			-1.8 A	-3.9 C	0.00
3.8	250	21.3 B	4.3	252	15.7 C	3.6	254	12.6 C	80.7		34.3			-1.5 A	-3.6 D	0.00
3.7	250	22.3 B	4.9	255	15.6 C	4.7	277	16.1 C	81.2		34.3			-1.5 A	-3.4 D	0.00
1.7	271	25.6 A	2.9	251	16.3 C	3.0	298	20.2 B	79.3		37.4			-0.5 D	-2.2 D	0.00
0.7	156	37.5 A	2.4	29	34.9 A	6.3	360	11.8 D	72.5		45.5			2.8 G	0.8 E	0.00
0.5	145	18.9 B	2.2	2	23.3 A	3.6	25	18.0 B	64.0		48.0			4.9 G	9.2 F	0.00
1.2	152	22.3 B	3.7	235	29.3 A	2.4	322	12.5 C	59.4		47.5			5.3 G	11.6 G	0.00
1.2	155	42.3 A	5.2	202	7.3 E	6.3	294	4.4 E	56.3		47.4			4.7 G	11.6 G	0.00

BEAVER VALLEY

LISTINGS OF METEOROLOGICAL DATA

FOR

PERIODS OF GASEOUS EFFLUENT RELEASES

AT

THE 500-FT LEVEL

(ELEVATED)

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA
500FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

				WIND	WIND	STD		WIND	WIND	STD		WIND	WIND	STD		AMB.	DEW	DELTA T		RAIN		
				SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	TEMP	POINT	150-35	500-35	FALL		
YR	MO	DAY	HR	(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(F)	(F)	(F)	(F)	(IN)		
81	4	5	2	4.9	207	23.6	A	6.7	219	13.1	C	11.8	221	9.5	D	56.5	55.1	0.0	E	-2.4	D	0.01
81	4	5	3	5.0	217	21.7	B	7.3	223	14.9	C	13.8	224	10.6	D	56.4	55.0	0.0	E	-2.3	D	0.04
81	4	5	4	6.4	209	19.4	B	8.6	214	12.2	D	14.6	219	7.3	E	56.0	54.2	0.1	E	-2.3	D	0.00
81	4	5	5	6.1	215	14.5	C	8.5	218	12.2	D	14.0	218	10.1	D	56.2	53.9	-0.2	E	-2.3	D	0.00
81	4	5	6	6.2	226	15.3	C	8.5	233	14.5	C	14.0	230	10.6	D	56.2	53.1	-0.4	D	-2.6	D	0.00
81	4	5	7	7.4	248	17.5	B	11.7	255	13.2	C	17.6	257	8.3	D	54.5	49.2	-0.6	D	-2.7	D	0.00
81	4	5	8	8.6	256	16.1	C	13.6	266	9.8	D	18.9	273	4.4	E	51.5	43.9	-0.6	D	-2.8	D	0.00
81	4	5	9	6.1	306	22.8	A	11.3	300	11.3	D	14.3	296	8.3	D	49.9	42.5	-0.8	D	-2.6	D	0.00
81	4	5	10	6.8	276	21.1	B	13.0	279	10.5	D	15.7	281	8.7	D	48.8	40.8	-0.8	D	-2.4	D	0.00
81	4	5	11	7.9	253	17.6	B	11.7	260	12.9	C	15.3	258	10.5	D	49.1	39.5	-0.9	D	-2.0	D	0.00
81	4	5	12	8.0	265	22.5	A	13.3	269	14.4	C	17.3	264	11.0	D	51.9	38.9	-1.4	A	-3.4	D	0.00
81	4	5	13	9.0	266	19.5	B	15.6	272	13.3	C	19.9	267	9.2	D	52.6	37.9	-1.6	A	-3.6	D	0.00
81	4	5	14	9.1	275	22.2	B	15.9	277	14.4	C	20.5	277	8.1	D	53.2	36.5	-1.6	A	-3.7	D	0.00
81	4	5	15	10.1	281	20.5	B	18.7	283	11.2	D	22.7	279	7.6	D	51.8	35.6	-1.4	A	-3.4	D	0.00
81	4	5	16	9.9	263	19.9	B	17.5	270	10.8	D	22.5	271	8.6	D	49.5	35.8	-1.2	A	-3.2	D	0.00
81	4	5	17	9.3	265	19.1	B	16.3	271	11.6	D	21.2	268	7.7	D	48.0	35.4	-0.9	D	-2.9	D	0.00
81	4	5	18	8.9	268	18.5	B	15.7	274	10.7	D	20.0	272	7.6	D	45.5	36.5	-0.9	D	-2.8	D	0.00
81	4	5	19	9.3	261	15.5	C	15.7	269	9.5	D	20.4	268	6.6	E	42.4	37.3	-0.9	D	-2.7	D	0.00
81	4	5	20	8.6	263	17.7	B	15.3	270	9.3	D	20.8	273	6.4	E	41.3	35.1	-0.8	D	-2.7	D	0.00
81	4	5	21	9.6	266	18.7	B	17.6	272	9.5	D	22.9	275	6.3	E	40.3	31.9	-0.8	D	-2.7	D	0.00
81	4	5	22	9.1	274	19.2	B	17.0	277	9.0	D	23.2	277	5.2	E	39.0	29.6	-0.8	D	-2.8	D	0.00
81	4	5	23	9.0	271	20.8	B	16.0	277	11.1	D	20.4	281	7.5	D	38.4	28.1	-0.7	D	-2.7	D	0.00
81	4	5	24	8.4	282	19.3	B	15.6	284	9.5	D	20.3	283	7.1	E	38.2	25.2	-0.7	D	-2.6	D	0.00
81	4	6	1	8.5	261	17.4	C	14.6	272	10.4	D	19.2	273	6.6	E	38.1	25.7	-0.7	D	-2.6	D	0.00
81	4	6	2	9.9	258	19.6	B	17.4	270	9.7	D	23.4	273	6.0	E	37.4	24.0	999.9	-	-2.8	D	9.99
81	4	6	3	6.9	268	20.1	B	13.1	274	10.8	D	17.6	277	8.0	D	999.9	24.7	-0.7	D	-2.7	D	9.99
81	4	6	4	7.4	268	19.4	B	13.4	276	11.0	D	17.5	278	6.7	E	36.2	25.1	-0.7	D	-2.7	D	0.00
81	4	6	5	7.5	267	18.6	B	13.0	272	10.7	D	17.6	275	5.5	E	35.5	26.7	-0.8	D	-2.8	D	0.00
81	4	6	6	7.1	262	15.8	C	12.0	270	9.1	D	16.4	273	5.4	E	35.1	27.5	-0.8	D	-2.7	D	0.00
81	4	6	7	6.8	263	18.4	B	11.0	272	10.5	D	14.3	275	6.2	E	35.0	28.4	-0.8	D	-2.7	D	0.00
81	4	6	8	7.5	296	22.9	A	13.5	291	10.4	D	15.9	292	7.8	D	35.4	26.4	-0.9	D	-2.8	D	0.00
81	4	6	9	8.0	286	21.9	D	14.5	286	11.3	D	18.0	287	7.4	E	37.1	24.9	-1.2	A	-3.3	D	0.00
81	4	6	10	9.0	290	21.1	B	16.0	288	12.7	C	19.5	288	7.9	D	39.1	23.1	-1.6	A	-3.7	D	0.00
81	4	6	11	8.6	285	24.6	A	15.2	285	13.3	C	14.0	287	9.5	D	40.1	23.6	-1.6	A	-3.8	D	0.00
81	4	6	12	9.0	284	22.9	A	15.2	286	13.0	C	14.1	286	10.2	D	42.3	21.9	-1.9	A	-4.0	C	0.02
81	4	6	13	9.3	287	28.3	A	15.8	287	18.8	B	19.2	286	12.3	D	44.9	20.8	-1.9	A	-4.2	C	0.02
81	4	6	14	9.5	279	24.6	A	16.2	283	14.1	C	18.9	289	12.1	D	47.0	19.3	-2.1	A	-4.2	C	0.08
81	4	7	5	99.9	999	99.9	-	99.9	999	99.9	-	6.5	230	99.9	-	999.9	999.9	999.9	-	8.5	F	0.01
81	4	7	6	99.9	999	99.9	-	99.9	999	99.9	-	7.0	220	99.9	-	999.9	999.9	999.9	-	9.0	F	9.99
81	4	7	7	99.9	999	99.9	-	99.9	999	99.9	-	4.0	185	99.9	-	999.9	999.9	999.9	-	7.6	F	9.99
81	4	7	8	99.9	999	99.9	-	99.9	999	99.9	-	8.0	195	99.9	-	999.9	999.9	999.9	-	6.1	F	9.99
81	4	7	9	8.5	231	15.5	C	10.9	196	13.6	C	13.4	192	11.0	D	47.6	23.9	-1.2	A	-3.8	D	0.00
81	4	7	10	7.8	200	20.9	B	10.2	196	15.3	C	12.0	194	12.6	C	49.9	22.4	-1.4	A	-3.6	D	0.00
81	4	7	11	7.1	174	26.1	A	11.3	174	17.1	C	12.4	179	11.5	D	53.7	18.4	-1.9	A	-4.2	C	0.00
81	4	7	12	7.4	189	32.8	A	11.2	183	22.4	B	13.4	184	14.6	C	56.3	17.5	-1.8	A	-4.1	C	0.00
81	4	7	13	8.0	190	21.5	B	10.9	184	20.8	B	13.9	183	16.1	C	59.0	15.7	-1.7	A	-4.1	C	0.00
81	4	7	14	8.5	195	99.9	-	11.8	185	99.9	-	15.0	190	99.9	-	60.0	12.9	-1.6	A	-4.1	C	0.00
81	4	7	15	9.0	220	99.9	-	11.3	220	99.9	-	13.5	215	99.9	-	61.5	14.0	-1.5	A	-3.9	C	0.02

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500 FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	WIND			WIND			WIND			WIND			AMB. TEMP 35F	DEW POINT 35F	DELTA T 150-35	DELTA T 500-35	RAIN FALL
				SPEED (MPH)	DIR (DEG)	STD DEV (DEG)	SPEED (MPH)	DIR (DEG)	STD DEV (DEG)	SPEED (MPH)	DIR (DEG)	STD DEV (DEG)	SPEED (MPH)	DIR (DEG)	STD DEV (DEG)					
R1	4	7	16	7.5	225	99.9 -	10.3	225	99.9 -	13.5	210	99.9 -	62.5	12.9	-1.4 A	-3.6 D	0.01			
R1	4	7	17	8.0	210	99.9 -	11.8	205	99.9 -	13.0	200	99.9 -	63.0	15.7	-1.3 A	-3.3 D	0.00			
R1	4	7	18	5.5	210	99.9 -	7.8	200	99.9 -	11.0	200	99.9 -	62.5	17.4	-0.8 D	-2.5 D	0.00			
R1	4	7	19	3.5	190	99.9 -	6.3	195	99.9 -	12.0	200	99.9 -	60.0	19.1	0.7 E	-0.5 E	0.00			
R1	4	7	20	2.0	155	99.9 -	2.8	205	99.9 -	8.0	195	99.9 -	54.0	28.1	5.9 G	5.4 F	0.00			
R1	4	7	21	2.5	160	99.9 -	3.8	195	99.9 -	11.5	185	99.9 -	52.0	29.8	6.5 G	6.9 F	0.00			
R1	4	9	7	7.5	221	15.9 C	10.2	220	13.6 C	17.9	217	9.3 D	63.9	51.3	-0.3 E	-1.7 D	0.00			
R1	4	9	8	7.5	229	12.7 C	10.4	234	12.7 C	17.0	224	8.9 D	62.9	53.0	-0.5 D	-1.9 D	1.02			
R1	4	9	9	9.6	203	14.0 C	13.3	208	10.3 D	21.2	219	6.5 E	60.2	55.6	-0.3 E	-1.3 D	0.02			
R1	4	9	10	5.7	234	12.9 C	7.9	241	12.8 C	12.4	239	10.2 D	62.0	54.4	-0.6 D	-2.1 D	0.00			
R1	4	9	11	4.9	246	25.2 A	8.5	256	17.5 B	13.2	260	13.7 C	60.9	53.8	-0.3 E	-1.5 D	0.00			
R1	4	9	12	99.9	999	99.9 -	99.9	999	99.9 -	17.5	295	99.9 -	999.9	999.9	999.9 -	-2.1 D	9.99			
R1	4	9	13	7.9	313	29.0 A	11.6	310	22.0 B	15.5	316	18.0 B	53.6	45.5	-1.0 C	-3.0 D	0.00			
R1	4	9	14	8.6	322	25.5 A	11.7	319	19.1 B	15.6	316	13.3 C	55.9	44.2	-1.1 B	-3.2 D	0.00			
R1	4	9	15	9.8	323	22.0 B	13.6	322	16.0 C	17.4	322	11.6 D	58.0	39.9	-1.2 A	-3.5 D	0.00			
R1	4	9	16	8.8	328	30.0 A	12.3	327	21.5 B	16.2	325	16.1 C	58.7	37.7	-1.3 A	-3.5 D	0.00			
R1	4	9	17	7.4	334	23.6 A	10.3	339	17.9 B	13.8	339	14.7 C	58.7	34.4	-1.4 A	-3.3 D	0.00			
R1	4	9	18	6.5	332	24.1 A	9.3	336	16.8 C	14.1	336	10.9 D	57.2	30.4	-0.9 D	-2.8 D	0.00			
R1	4	9	19	3.7	315	18.3 B	5.5	324	14.2 C	11.1	332	6.9 E	54.6	29.8	-0.4 D	-1.8 D	0.00			
R1	4	9	20	2.5	319	18.7 B	5.6	309	8.2 D	12.7	321	2.5 F	52.0	31.1	0.6 E	-0.3 E	0.00			
R1	4	10	10	6.2	166	30.9 A	10.7	154	18.4 B	13.1	146	13.2 C	58.7	24.2	-1.4 A	-3.6 D	0.00			
R1	4	10	11	5.8	161	38.9 A	10.0	151	21.7 B	12.8	149	14.9 C	60.9	19.0	-1.7 A	-4.0 C	0.00			
R1	4	10	12	6.4	172	37.2 A	9.7	157	32.5 A	11.9	172	21.7 B	63.1	19.1	-1.8 A	-4.1 C	0.00			
R1	4	10	13	6.1	186	30.7 A	8.7	143	23.1 A	10.6	186	19.7 B	65.4	14.9	-1.6 A	-3.8 D	0.00			
R1	4	10	14	5.9	194	27.0 A	8.4	194	20.6 B	9.8	193	18.5 B	68.2	13.8	-1.6 A	-3.7 D	0.00			
R1	4	10	15	6.3	223	24.7 A	9.6	220	19.7 B	11.3	214	14.6 C	68.9	20.4	-1.2 A	-3.2 D	0.00			
R1	4	10	16	6.1	206	20.4 B	8.1	201	18.3 B	9.4	200	13.1 C	70.0	29.6	-1.1 B	-3.1 D	0.00			
R1	4	10	17	5.3	183	25.2 A	8.2	182	16.2 C	10.9	186	12.1 D	70.2	35.9	-0.9 D	-2.7 D	0.00			
R1	4	10	18	5.3	211	17.1 C	7.6	210	14.8 C	10.9	208	11.7 D	69.3	43.5	-0.5 D	-2.2 D	0.00			
R1	4	10	19	3.6	206	15.3 C	5.3	226	14.4 C	9.4	218	11.9 D	66.7	49.3	0.3 E	-1.1 E	0.00			
R1	4	10	20	1.9	160	15.8 C	3.9	236	10.1 D	7.2	214	9.9 D	62.3	49.3	3.4 G	2.1 E	0.00			
R1	4	10	21	2.2	178	18.7 B	5.8	241	9.2 D	10.9	219	8.9 D	60.6	50.0	3.9 G	2.7 E	0.00			
R1	4	10	22	5.8	212	17.1 C	8.6	228	13.9 C	14.5	229	10.2 D	61.8	53.1	0.4 E	-0.6 E	0.01			
R1	4	10	23	5.7	227	22.2 B	8.5	225	14.7 C	16.4	215	9.7 D	60.4	53.1	-0.2 E	-0.9 E	0.02			
R1	4	10	24	3.3	197	15.1 C	5.8	228	8.0 D	13.2	210	5.8 E	58.6	56.2	1.5 F	1.4 E	0.00			
R1	4	11	3	4.5	222	18.1 B	7.2	228	12.2 D	15.0	213	8.5 D	61.2	56.4	0.9 E	0.2 E	0.00			
R1	4	11	4	5.2	223	11.9 D	7.9	228	10.0 D	16.5	218	7.3 E	62.0	56.7	0.3 E	-0.6 E	0.00			
R1	4	11	5	6.5	225	12.4 D	9.3	226	10.6 D	17.7	222	6.3 E	62.5	57.2	-0.1 E	-1.1 E	0.00			
R1	4	11	6	7.2	222	10.7 D	10.2	224	8.6 D	20.3	223	5.6 E	63.0	57.8	-0.1 E	-1.1 E	0.00			
R1	4	11	7	6.9	233	14.7 C	9.9	236	13.1 C	17.2	231	8.8 D	64.0	58.6	-0.3 E	-1.7 D	0.00			
R1	4	11	8	6.5	235	13.1 C	9.2	243	10.7 D	14.5	245	7.9 D	65.6	59.3	-0.3 E	-1.9 D	0.00			
R1	4	11	9	8.7	239	14.1 C	12.6	247	14.0 C	18.1	241	9.7 E	67.8	60.5	-0.7 D	-2.4 D	0.00			
R1	4	11	10	8.8	244	12.2 D	12.9	250	9.6 D	16.8	251	7.4 D	69.7	60.8	-0.6 D	-2.4 D	0.00			
R1	4	11	11	8.4	247	15.5 C	13.1	258	11.0 D	16.6	256	8.5 D	70.5	60.8	-0.5 D	-2.2 D	0.00			
R1	4	11	12	8.0	247	15.5 C	11.8	258	11.2 D	14.8	262	9.1 D	71.7	61.0	-0.7 D	-2.4 D	0.00			
R1	4	11	17	3.9	226	21.7 B	5.5	250	14.2 C	8.8	249	11.1 D	63.1	61.3	0.1 E	-0.5 E	0.00			
R1	4	11	18	2.5	221	44.8 A	3.9	256	20.2 B	7.1	277	12.8 C	62.4	61.9	0.3 E	-0.2 E	0.00			
R1	4	11	19	1.7	143	51.8 A	0.4	256	31.4 A	5.7	356	9.2 D	61.7	62.0	0.7 E	0.2 E	0.00			

LISTING FOR HEEVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DAY	HR	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
81	4	11	20	1.5	132	26.4	A	2.9	170	12.3	D	1.5	228	8.8	D	61.3	61.9	0.6	E	0.1	E	0.06		
81	4	11	21	2.4	148	23.8	A	3.5	138	23.3	A	4.0	204	13.2	C	61.2	61.8	0.3	E	0.0	E	0.19		
81	4	11	22	2.0	80	50.5	A	3.7	129	32.0	A	7.9	142	7.7	D	61.1	61.8	-0.1	E	-0.8	E	0.05		
81	4	11	23	3.3	164	26.5	A	7.3	166	10.8	D	14.8	166	4.5	E	61.1	61.2	0.0	E	-1.5	D	0.10		
81	4	11	24	2.7	132	49.8	A	6.1	171	17.5	B	13.6	171	5.9	E	60.9	60.8	-0.1	E	-1.6	D	0.05		
81	4	12	1	3.3	162	49.1	A	6.2	182	21.5	B	10.9	178	8.5	D	60.7	60.6	-0.1	E	-1.6	D	0.32		
81	4	12	2	4.5	256	36.6	A	6.9	261	18.5	B	10.1	274	10.7	D	60.5	60.5	-0.2	E	-1.6	D	0.33		
81	4	12	3	2.4	193	50.6	A	4.0	257	19.5	B	7.5	282	5.9	E	59.4	59.6	-0.1	E	-0.8	E	0.00		
81	4	12	4	2.2	183	45.7	A	4.0	260	15.2	C	6.3	288	11.4	D	59.9	60.4	-0.2	E	-1.0	E	0.01		
81	4	12	5	2.7	270	34.5	A	4.7	284	17.5	B	6.6	296	6.1	E	60.0	60.3	-0.4	D	-1.5	D	0.00		
81	4	12	6	2.6	313	43.4	A	5.0	305	10.7	D	6.0	313	5.8	E	59.8	59.9	-0.4	D	-1.7	D	0.00		
81	4	12	7	3.0	332	32.8	A	5.1	329	11.8	D	7.7	335	9.1	D	59.6	59.5	-0.3	E	-1.8	D	0.00		
81	4	12	8	2.7	319	36.3	A	4.1	317	15.5	C	5.9	340	12.2	D	59.9	59.5	-0.1	E	-1.9	D	0.00		
81	4	12	9	2.2	158	36.1	A	2.8	152	39.0	A	1.8	307	48.8	A	60.9	59.3	0.5	E	-1.8	D	0.00		
81	4	12	10	2.1	83	48.4	A	2.7	83	46.2	A	3.1	101	15.9	C	54.0	59.8	0.2	E	-2.8	D	0.00		
81	4	12	11	3.6	168	22.3	B	5.0	151	17.7	B	5.3	147	15.0	C	65.2	59.0	-0.5	D	-2.8	D	0.00		
81	4	12	12	3.8	217	21.6	B	5.5	210	17.1	C	5.6	208	13.3	C	65.7	58.9	-0.9	D	-3.0	D	0.00		
81	4	12	13	3.3	189	37.3	A	4.9	173	23.1	A	6.5	174	16.5	C	67.1	59.5	-1.0	C	-2.9	D	0.00		
81	4	12	14	3.5	133	32.0	A	6.0	133	16.6	C	6.5	146	13.6	C	69.2	58.5	-1.7	A	-3.8	D	0.00		
81	4	12	15	3.5	61	33.4	A	5.1	75	29.8	A	4.2	117	40.8	A	68.9	58.1	-1.1	B	-2.6	D	0.00		
81	4	12	16	3.1	20	38.1	A	7.0	17	14.1	C	5.5	53	37.2	A	64.5	60.6	-0.3	E	-0.8	E	0.19		
81	4	12	17	2.9	41	27.9	A	5.3	32	17.3	C	5.5	77	15.3	C	60.8	60.6	-0.4	D	-1.1	E	0.04		
81	4	12	18	2.3	37	33.9	A	3.5	110	38.9	A	9.3	125	11.6	D	60.5	60.2	0.1	E	-1.3	D	0.00		
81	4	12	19	2.9	41	27.8	A	5.2	38	17.6	B	6.0	92	13.9	C	60.0	59.6	0.0	E	-1.5	D	0.00		
81	4	12	20	2.3	58	25.9	A	5.2	38	13.5	C	5.4	78	14.1	C	58.9	58.5	0.1	E	-1.4	D	0.03		
81	4	12	21	2.1	51	18.6	B	5.2	44	11.9	D	3.7	76	9.8	D	57.7	57.8	-0.2	E	-1.1	E	0.03		
81	4	13	4	3.6	60	25.6	A	7.6	68	12.9	C	10.0	91	8.0	D	53.7	52.9	-0.1	E	-1.9	D	0.00		
81	4	13	5	3.4	68	25.8	A	7.0	76	14.9	C	9.5	92	10.3	D	51.7	50.1	-0.1	E	-2.2	D	0.00		
81	4	13	6	3.9	57	26.0	A	8.6	66	11.2	D	10.2	87	9.5	D	50.5	48.5	-0.4	D	-2.5	D	0.00		
81	4	13	7	3.5	65	25.7	A	8.0	71	12.1	D	9.8	93	9.6	D	49.9	47.2	-0.8	D	-2.9	D	0.00		
81	4	13	8	3.6	68	29.7	A	6.8	72	15.6	C	9.2	94	11.4	D	49.7	46.4	-0.8	D	-2.9	D	0.00		
81	4	13	9	3.6	78	33.8	A	6.5	84	17.0	C	8.8	100	10.5	D	50.5	45.3	-1.0	C	-3.0	D	0.00		
81	4	13	10	2.9	130	52.1	A	7.0	109	25.5	A	7.8	112	13.9	C	52.4	999.9	-1.1	B	-3.0	D	0.00		
81	4	13	11	5.4	97	31.2	A	9.5	102	18.7	B	12.4	107	12.5	C	53.3	44.9	-1.2	A	-3.1	D	0.00		
81	4	13	12	4.7	88	34.2	A	8.3	99	14.6	C	10.4	111	9.1	D	54.6	45.6	-1.3	A	-4.1	C	0.01		
81	4	13	13	99.9	999	99.9	-	99.9	999	99.9	-	10.0	100	99.9	-	999.9	999.9	999.9	-	-4.5	B	0.04		
81	4	13	14	99.9	999	99.9	-	99.9	999	99.9	-	9.5	105	99.9	-	999.9	999.9	999.9	-	-4.6	B	0.02		
81	4	13	15	99.9	999	99.9	-	99.9	999	99.9	-	10.5	115	99.9	-	999.9	999.9	999.9	-	-3.6	D	0.99		
81	4	13	16	99.9	999	99.9	-	99.9	999	99.9	-	13.0	105	99.9	-	999.9	999.9	999.9	-	-2.7	D	0.99		
81	4	13	17	99.9	999	99.9	-	99.9	999	99.9	-	13.5	105	99.9	-	999.9	999.9	999.9	-	-2.7	D	0.03		
81	4	13	18	99.9	999	99.9	-	99.9	999	99.9	-	14.0	105	99.9	-	999.9	999.9	999.9	-	-2.5	D	0.02		
81	4	13	19	4.8	60	33.2	A	9.0	77	15.7	C	12.9	160	9.4	D	55.5	44.2	-0.6	D	-2.3	D	0.00		
81	4	13	20	5.2	66	30.2	A	8.9	84	16.4	C	14.7	154	9.5	D	54.4	43.3	-0.5	D	-2.3	D	0.00		
81	4	13	21	4.4	82	46.2	A	9.0	78	22.2	B	14.3	152	16.2	C	52.3	44.4	-0.5	D	-2.1	D	0.02		
81	4	13	22	4.1	37	29.7	A	8.5	83	24.2	A	11.0	78	15.6	C	50.5	45.1	-0.4	D	-1.9	D	0.02		
81	4	13	23	4.6	20	46.1	A	9.4	20	30.5	A	11.0	39	35.0	A	48.5	45.0	-0.3	C	-1.6	D	0.12		
81	4	13	24	5.1	80	23.1	A	12.0	78	15.7	D	12.9	78	5.0	E	46.6	45.7	-0.1	E	-1.4	D	0.02		
81	4	14	1	4.0	60	28.1	A	8.4	81	16.5	C	13.9	154	8.5	D	46.1	44.8	0.1	E	-1.4	D	0.00		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

506FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DAY	HR	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
81	4	14	2	4.1	54	27.5	A	7.4	79	18.0	B	14.5	113	8.8	D	46.8	44.5	0.3	E	-1.1	E	0.00		
81	4	14	3	3.8	43	29.2	A	6.5	68	19.8	B	11.1	117	11.8	D	47.7	45.1	0.2	E	-1.2	E	0.00		
81	4	14	4	2.7	43	38.6	A	3.9	79	48.5	A	10.3	134	17.1	C	49.7	46.3	-0.4	D	-1.8	D	0.00		
81	4	14	5	3.0	22	49.0	A	4.0	63	43.5	A	9.1	142	25.2	A	51.1	48.2	-0.4	D	-1.6	D	0.00		
81	4	14	6	3.1	296	65.6	A	4.3	124	58.0	A	10.2	166	17.5	B	52.6	50.5	-0.3	E	-1.5	D	0.04		
81	4	14	7	2.0	139	68.9	A	4.0	190	51.9	A	12.6	182	9.2	D	54.2	52.7	0.4	E	-0.5	E	0.00		
81	4	14	8	5.4	207	26.1	A	8.4	203	16.6	C	16.5	200	10.5	D	59.2	55.3	0.0	E	-1.1	E	0.00		
81	4	14	9	7.9	211	14.1	C	10.8	214	13.5	C	18.7	215	9.8	D	63.4	56.3	-0.2	E	-1.6	D	0.00		
81	4	14	10	10.7	221	15.4	C	13.6	221	12.8	D	21.2	218	10.4	D	67.4	58.0	-0.5	D	-2.2	D	0.00		
81	4	14	11	10.7	232	11.7	D	14.9	239	10.1	D	22.0	238	8.2	D	68.1	56.1	-0.4	D	-1.9	D	0.01		
81	4	14	12	12.5	290	23.9	A	20.8	289	14.8	C	28.9	294	12.2	D	59.9	55.8	-0.9	D	-2.4	D	0.09		
81	4	14	13	10.0	306	21.9	B	16.5	302	12.3	D	21.7	312	10.5	D	53.0	47.9	-0.7	D	-2.6	D	0.00		
81	4	14	14	99.9	999	99.9	-	99.9	999	99.9	-	18.5	315	99.9	-	999.9	999.9	999.9	-	-3.4	D	9.99		
81	4	14	15	99.9	999	99.9	-	99.9	999	99.9	-	17.6	320	99.9	-	999.9	999.9	999.9	-	-3.6	D	9.99		
81	4	14	16	99.9	999	99.9	-	99.9	999	99.9	-	19.0	310	99.9	-	999.9	999.9	999.9	-	-3.3	D	9.99		
81	4	14	17	99.9	999	99.9	-	99.9	999	99.9	-	17.0	315	99.9	-	999.9	999.9	999.9	-	-3.0	D	9.99		
81	4	18	2	3.7	209	30.9	A	5.7	224	21.2	B	8.5	254	14.5	C	61.3	57.1	0.4	E	-0.4	E	0.00		
81	4	18	3	5.0	198	20.3	B	7.5	223	14.8	C	15.2	231	8.3	D	60.5	56.0	0.6	E	0.1	E	0.00		
81	4	18	4	2.9	228	34.0	A	7.0	254	13.5	C	14.9	253	9.6	D	59.3	54.7	0.8	E	0.3	E	0.00		
81	4	18	5	3.5	283	26.5	A	7.9	281	9.2	D	14.3	269	7.5	D	59.6	54.3	0.2	E	-0.6	E	0.00		
81	4	18	6	3.9	289	23.8	A	8.7	287	7.8	D	12.8	272	5.7	E	58.7	54.6	0.1	E	-0.7	E	0.00		
81	4	18	7	4.2	273	26.2	A	8.6	277	10.4	D	13.7	277	7.0	E	59.6	53.1	-0.2	E	-1.4	D	0.00		
81	4	18	8	6.8	289	26.7	A	12.7	289	13.4	C	16.4	289	9.4	D	61.4	48.0	-0.8	D	-2.4	D	0.00		
81	4	18	9	6.6	287	22.5	A	12.7	288	10.4	D	14.8	289	7.3	E	62.7	43.5	-1.4	A	-3.3	D	0.00		
81	4	18	10	6.3	299	24.6	A	11.6	296	12.6	C	14.0	296	10.8	D	66.1	40.1	-1.5	A	-3.0	D	0.00		
81	4	18	11	8.4	286	21.8	B	15.3	285	13.4	C	18.9	287	9.6	D	65.2	38.6	-1.7	A	-3.8	D	0.00		
81	4	18	12	9.2	280	21.6	B	17.0	284	13.2	C	20.2	286	9.7	D	65.3	40.3	-2.0	A	-4.0	C	0.00		
81	4	18	13	9.6	299	24.0	A	17.1	297	12.7	C	20.3	298	11.3	D	64.5	39.1	-2.0	A	-4.0	C	0.00		
81	4	18	14	9.3	311	30.5	A	14.5	308	22.4	B	18.3	308	17.3	C	64.2	39.6	-1.7	A	-4.0	C	0.00		
81	4	18	15	9.1	327	27.8	A	13.7	321	23.6	A	15.2	315	17.0	C	63.7	40.6	-1.7	A	-3.8	D	0.00		
81	4	18	16	8.7	329	26.7	A	11.9	325	18.5	B	16.4	322	16.0	C	62.1	42.0	-1.4	A	-3.7	D	0.00		
81	4	18	17	8.5	329	22.6	A	11.5	333	16.7	C	14.9	327	13.1	C	60.1	41.0	-1.4	A	-3.4	D	0.00		
81	4	18	18	5.3	343	26.0	A	8.4	346	21.5	B	11.8	341	14.9	C	56.5	41.5	-1.3	A	-3.3	D	0.00		
81	4	18	19	4.8	347	21.3	H	7.2	344	16.8	C	10.6	343	12.7	C	53.2	38.7	-0.7	D	-2.5	D	0.00		
81	4	18	20	4.0	8	22.5	A	7.5	5	13.4	C	10.5	353	8.7	D	49.7	38.4	-0.5	D	-2.2	D	0.00		
81	4	18	21	4.3	1	26.3	A	7.8	7	13.7	C	9.5	355	12.8	C	46.5	36.5	-0.5	E	-2.2	D	0.00		
81	4	18	22	3.2	340	34.8	A	5.8	346	19.4	B	8.0	347	11.8	D	43.6	34.8	-0.5	D	-2.2	D	0.00		
81	4	18	23	2.3	316	25.8	A	4.4	319	17.9	B	6.8	345	12.3	D	41.7	33.7	-0.5	D	-2.1	D	0.00		
81	4	18	24	2.5	329	24.5	A	3.6	330	19.3	B	7.4	349	8.3	D	39.7	32.0	-0.6	D	-2.2	D	0.00		
81	4	19	1	1.5	338	51.3	A	4.2	338	15.5	C	7.2	2	9.5	D	37.7	32.7	-0.1	E	-1.7	D	0.00		
81	4	22	16	1.7	336	47.8	A	1.7	185	52.3	A	3.5	209	25.4	A	61.5	34.7	-0.7	D	-2.4	D	0.00		
81	4	22	17	2.7	7	14.8	C	2.7	57	30.7	A	3.3	152	15.9	C	60.5	38.8	0.1	E	-1.4	D	0.00		
81	4	22	18	1.1	351	44.9	A	1.7	106	13.6	C	5.1	167	10.1	D	60.2	41.0	0.2	E	-0.4	E	0.00		
81	4	22	19	1.6	95	10.2	D	2.6	139	17.2	C	6.5	166	6.6	E	59.6	41.4	0.9	E	-0.3	E	0.00		
81	4	22	20	1.9	70	24.0	A	3.3	80	13.6	C	8.1	138	5.7	E	58.3	43.8	0.9	E	-0.3	E	0.00		
81	4	22	21	1.7	69	25.0	A	2.6	96	33.1	A	8.8	143	9.2	D	56.1	47.7	0.9	E	-0.1	E	0.00		
81	4	22	22	1.6	102	36.7	A	2.5	130	34.2	A	8.1	146	10.6	D	52.9	52.3	0.5	E	0.4	E	0.00		
81	4	22	23	2.6	38	16.6	C	3.8	56	15.2	C	8.6	156	10.1	D	52.8	52.7	0.4	E	0.0	E	0.00		

500FT-LEVEL PATCH REV1

WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	AMB. TEMP	DEW POINT	DELTA T 150-35	DELTA T 500-35	RAIN FALL
(MPH)	(DEG)	SC(DEV) SC	(MPH)	(DEG)	SC(DEV) SC	(MPH)	(DEG)	SC(DEV) SC	(F)	(F)	(F)	SC (F)	SC(IN)
2.1	40	18.2 B	3.4	39	27.6 A	8.7	161	10.2 D	53.3	53.3	0.4 E	0.2 F	0.00
2.9	39	24.2 A	3.5	78	43.6 A	14.0	158	6.3 E	54.7	54.7	0.5 E	0.0 E	0.00
2.5	43	46.2 A	4.2	130	54.2 A	13.8	157	7.8 D	56.4	55.7	0.0 E	-1.2 E	0.00
2.1	34	64.9 A	3.2	144	64.9 A	11.0	169	13.0 C	57.3	55.7	-0.1 E	-1.2 E	0.00
2.1	123	61.8 A	3.4	187	39.2 A	11.4	184	9.6 D	58.0	55.9	-0.1 E	-1.5 D	0.00
3.9	297	19.4 B	7.8	291	8.4 D	12.8	298	4.5 E	38.3	33.9	-0.5 D	-1.9 D	0.00
4.0	309	21.5 P	8.0	294	10.5 D	11.9	294	5.2 E	38.8	34.2	-0.5 D	-2.1 D	0.00
5.1	327	26.6 A	9.8	295	10.2 D	13.6	294	4.5 E	39.3	34.2	-0.7 D	-2.5 D	0.00
5.1	316	25.3 A	8.9	304	11.9 D	11.5	298	6.2 E	39.0	34.6	-0.8 D	-2.6 D	0.00
4.4	287	27.0 A	8.6	287	13.9 C	10.6	286	9.0 D	39.7	34.7	-1.0 C	-2.4 D	0.00
5.1	281	27.7 A	8.8	291	16.5 C	10.3	288	11.4 D	41.1	35.1	-1.1 R	-3.1 D	0.00
6.0	299	26.6 A	11.3	293	14.7 C	14.3	293	9.7 D	42.1	33.3	-1.0 C	-2.9 D	0.00
6.7	315	21.8 B	11.2	308	12.3 D	13.7	307	10.1 D	42.6	32.6	-0.9 D	-2.9 D	0.00
5.7	292	27.6 A	10.9	293	11.2 D	12.7	295	10.1 D	43.3	32.7	-1.0 C	-3.0 D	0.00
5.5	295	28.1 A	9.7	292	16.0 C	11.7	292	10.1 D	43.8	33.0	-0.9 D	-2.8 D	0.00
3.9	317	29.8 A	6.7	305	14.3 C	9.3	310	9.0 D	49.8	45.6	-0.7 D	-2.5 D	0.00
2.8	300	29.7 A	4.4	294	21.6 B	6.9	307	13.7 C	49.2	45.2	-0.7 D	-2.5 D	0.00
4.3	318	24.5 A	6.6	307	13.2 C	9.0	297	6.8 E	49.1	43.6	-0.6 D	-2.1 D	0.00
3.1	307	26.5 A	5.0	309	14.9 C	5.9	292	9.2 D	48.9	43.8	-0.6 D	-2.0 D	0.00
1.8	196	46.7 A	3.6	234	23.6 A	4.0	245	18.8 B	48.6	44.5	-0.6 D	-2.2 D	0.00
1.4	158	25.6 A	3.5	178	13.9 C	1.8	218	15.8 C	48.1	44.8	-0.4 D	-1.8 D	0.00
0.9	184	27.1 A	2.7	191	12.7 C	2.3	242	17.9 B	47.5	45.3	-0.2 E	-1.4 D	0.00
1.5	129	44.5 A	2.3	242	25.0 A	1.1	249	21.4 B	47.2	45.6	-0.2 E	-1.5 D	0.00
2.0	147	25.0 A	2.9	174	33.5 A	2.2	215	26.7 A	47.2	45.4	-0.1 E	-1.3 D	0.00
1.6	163	33.9 A	2.2	197	26.0 A	1.8	247	28.0 A	47.3	45.6	-0.3 E	-1.5 D	0.00
1.1	98	20.3 B	2.0	125	8.6 D	0.8	279	17.4 C	48.0	45.9	-0.6 D	-1.8 D	0.00
0.8	92	10.5 D	1.2	80	34.1 A	1.0	59	10.4 D	48.5	45.5	-0.8 D	-2.2 D	0.00
0.5	133	8.6 D	2.4	9	8.1 D	1.6	77	5.3 E	50.5	50.1	3.4 G	8.5 F	0.00
0.5	138	7.6 D	1.2	350	15.8 C	1.3	50	17.9 B	50.1	29.9	3.0 G	8.8 F	0.00
0.5	138	10.9 D	1.3	1	22.3 B	0.5	9	21.7 B	29.7	29.7	2.8 G	7.2 F	

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

SHIFT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB.	DEW	DELTA T	DELTA T	RAIN
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	TEMP 35F (F)	POINT 35F (F)			
91	5	3	24	0.5	114	29.8 A	1.6	153	28.0 A	1.1	318	26.2 A	44.1	38.8	3.3 G	9.9 F	0.00
91	5	4	1	0.5	124	31.1 A	2.3	39	13.6 C	2.9	146	27.5 A	42.4	38.6	3.4 G	10.0 F	0.00
91	5	4	2	0.5	147	15.4 C	1.2	72	81.4 A	1.6	316	3.6 F	41.6	38.1	3.6 G	8.7 F	0.00
91	5	5	17	4.9	293	28.5 A	9.8	289	18.0 B	12.9	294	16.6 C	76.2	49.5	-0.7 D	-2.3 D	0.00
91	5	5	18	4.4	294	27.1 A	9.5	296	10.4 D	16.3	299	5.8 E	69.5	55.4	-0.4 D	-1.7 D	0.07
91	5	5	19	2.7	193	41.2 A	4.4	252	30.2 A	7.5	326	28.7 A	65.2	58.2	0.1 E	-1.2 E	0.00
91	5	5	20	2.9	299	37.2 A	5.7	297	18.0 B	7.8	307	11.0 D	63.3	58.1	-0.6 D	-2.2 D	0.00
91	5	5	21	2.1	260	30.2 A	4.0	279	15.4 C	5.3	305	17.7 B	61.9	56.2	-0.5 D	-2.0 D	0.00
91	5	5	22	2.4	255	25.3 A	3.7	277	17.7 B	6.5	312	13.0 C	61.0	55.0	-0.5 D	-2.0 D	0.00
91	5	5	23	2.5	228	41.6 A	4.1	248	22.9 A	6.7	280	17.3 C	59.8	56.4	-0.2 E	-1.4 D	0.00
91	5	5	24	1.4	324	45.1 A	2.6	306	22.1 B	7.0	311	9.6 D	58.6	57.0	-0.1 E	-1.1 E	0.00
91	5	6	1	1.3	149	15.5 C	2.3	218	20.7 B	4.8	291	11.5 D	57.7	57.6	0.1 E	-0.9 E	0.00
91	5	6	2	0.8	98	11.5 D	2.2	166	9.4 D	2.2	222	13.0 C	57.4	57.7	0.0 E	-1.1 E	0.02
91	5	8	10	4.8	136	58.6 A	9.1	118	24.2 A	10.7	119	16.5 C	60.5	25.3	-1.9 A	-4.4 B	0.00
91	5	8	11	5.3	150	51.7 A	9.0	129	29.4 A	11.1	128	18.7 B	63.7	25.7	-2.4 A	-4.8 B	0.00
91	5	8	12	5.7	123	45.8 A	9.9	122	20.6 B	11.7	126	13.4 C	65.7	25.6	-2.7 A	-5.2 A	0.00
91	5	8	13	5.1	130	52.5 A	9.4	128	27.6 A	11.4	124	20.7 B	67.9	27.0	-2.7 A	-5.1 A	0.00
91	5	8	14	5.9	170	44.9 A	10.0	144	20.3 B	12.3	143	18.3 B	69.3	26.8	-2.4 A	-5.3 A	0.00
91	5	8	15	6.3	118	64.5 A	10.7	114	28.7 A	12.3	124	13.7 C	71.1	25.0	-2.2 A	-4.8 B	0.00
91	5	8	16	5.2	136	47.0 A	11.2	130	17.0 C	14.9	135	9.4 D	71.9	24.9	-2.5 A	-4.8 B	0.00
91	5	8	17	4.7	138	44.0 A	9.5	134	19.4 B	13.6	137	10.8 D	71.9	25.2	-2.1 A	-4.2 C	0.00
91	5	8	18	3.5	140	38.9 A	7.6	139	15.6 C	9.5	134	12.6 C	70.9	27.4	-1.4 A	-3.3 D	0.00
91	5	8	19	1.8	100	23.9 A	4.0	105	9.3 D	10.2	124	3.1 F	65.2	31.0	2.3 F	1.7 E	0.00
91	5	8	20	2.4	84	16.9 C	7.2	101	8.7 D	18.3	119	2.1 F	59.9	33.0	4.6 G	5.3 F	0.00
91	5	8	21	3.3	79	23.4 A	7.1	97	11.8 D	19.0	118	3.9 E	61.4	32.4	0.6 E	0.1 E	0.00
91	5	8	22	3.6	73	27.4 A	7.2	100	12.3 D	19.1	122	3.9 E	59.8	33.1	0.2 E	-0.5 E	0.00
91	5	8	23	3.7	91	41.8 A	7.6	115	16.2 C	19.9	132	4.9 E	58.3	32.8	0.1 E	-0.8 E	0.00
91	5	8	24	3.5	92	45.8 A	7.2	122	18.5 B	19.8	138	3.8 E	56.9	32.8	-0.1 E	-0.9 E	0.00
91	5	9	1	3.1	34	34.9 A	4.8	88	32.6 A	15.7	137	7.0 E	55.6	32.5	0.0 E	-1.0 E	0.00
91	5	9	2	2.9	28	25.0 A	4.9	60	22.6 A	9.6	132	16.1 C	54.6	32.2	0.0 E	-1.2 E	0.00
91	5	9	3	2.6	36	19.5 B	5.0	54	14.3 C	8.4	128	13.4 C	52.0	32.6	1.0 F	-0.3 E	0.00
91	5	9	4	2.9	34	14.6 C	5.5	53	10.9 D	8.8	130	11.2 D	49.7	32.9	1.3 F	0.2 E	0.00
91	5	9	5	2.4	33	17.6 B	5.0	53	12.0 D	8.3	116	9.1 D	48.8	32.6	1.1 F	-0.1 E	0.00
91	5	9	6	2.1	60	23.4 A	3.9	63	15.8 C	9.0	123	7.6 D	47.0	33.9	2.8 G	1.5 E	0.00
91	5	9	7	3.0	39	29.7 A	4.3	58	26.9 A	8.1	128	17.0 C	52.5	32.5	-0.5 D	-2.2 D	0.00
91	5	9	8	3.5	132	37.4 A	5.8	135	25.8 A	8.9	144	6.7 C	56.5	31.7	-1.0 C	-2.9 D	0.00
91	5	9	9	4.9	165	36.3 A	8.6	159	18.9 B	9.7	161	1.2 D	62.2	34.4	-1.7 A	-3.8 D	0.00
91	5	9	10	6.3	156	29.1 A	8.7	190	20.2 B	9.8	186	13.6 C	66.0	36.3	-1.7 A	-3.8 D	0.00
91	5	9	11	6.0	184	28.7 A	8.5	188	19.6 B	10.1	182	15.2 C	69.4	39.0	-2.0 A	-4.2 C	0.00
91	5	9	12	6.2	196	32.0 A	8.6	186	27.0 A	9.5	180	20.2 B	70.0	39.8	-1.9 A	-4.1 C	0.00
91	5	9	13	5.5	211	35.8 A	7.3	201	32.5 A	9.1	199	26.8 A	74.1	39.5	-1.6 A	-3.9 C	0.00
91	5	9	17	4.5	269	25.3 A	7.1	278	17.6 B	8.0	279	13.3 C	74.9	45.2	-1.4 A	-3.2 D	0.00
91	5	9	18	4.3	286	24.7 A	7.7	294	14.8 C	9.1	311	8.9 D	71.4	49.8	-1.0 C	-2.8 D	0.00
91	5	9	19	3.0	262	24.1 A	4.2	282	19.5 B	5.3	314	18.6 B	67.2	50.9	-0.8 D	-2.5 D	0.00
91	5	9	20	1.6	242	27.2 A	2.5	281	22.4 B	3.6	353	20.6 B	65.3	51.4	-0.5 D	-2.0 D	0.00
91	5	9	21	0.6	102	40.8 A	1.7	38	47.3 A	5.8	23	13.8 C	62.8	52.8	0.6 E	-0.3 E	0.00
91	5	9	22	0.9	93	52.1 A	2.6	52	20.2 B	7.2	60	12.1 D	60.4	53.7	1.6 F	0.9 F	0.00
91	5	9	23	0.8	91	26.2 A	1.8	39	18.6 B	5.4	71	7.1 E	59.6	52.8	1.7 F	0.7 F	0.00

LISTING FOR HEAVEN VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DAY	HR	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
91	5	9	24	7.7	127	17.9	B	3.5	29	6.4	E	6.5	86	4.6	E	56.2	52.5	3.6	G	5.2	F	0.00		
91	5	10	1	1.7	122	9.2	D	5.0	26	6.3	E	6.9	98	4.0	E	53.3	51.6	4.7	G	6.7	F	0.00		
91	5	10	2	2.2	84	12.5	C	4.6	35	7.0	F	9.0	95	3.5	F	54.2	51.6	3.7	G	5.1	F	0.00		
91	5	10	3	2.9	70	10.7	D	4.5	27	11.1	D	7.3	110	8.6	D	53.8	52.0	3.8	G	3.5	E	0.00		
91	5	10	4	2.1	57	22.4	B	4.7	40	10.4	D	7.8	128	11.6	D	53.8	51.8	3.5	G	2.8	E	0.00		
91	5	10	5	2.6	19	13.4	C	5.0	46	10.2	D	7.8	130	10.0	D	55.4	52.3	1.7	F	0.9	E	0.00		
91	5	10	6	3.5	13	9.5	D	5.1	39	10.4	D	7.5	132	11.3	D	56.7	52.4	0.8	E	-0.1	E	0.00		
91	5	10	7	3.9	360	8.7	D	5.0	36	12.6	C	6.5	126	5.2	C	59.5	52.9	0.4	E	-0.9	E	0.00		
91	5	10	8	3.4	53	33.7	A	5.5	77	23.9	A	9.0	130	15.6	C	63.7	53.4	-0.4	D	-1.8	D	0.00		
91	5	10	9	4.4	151	46.6	A	7.6	151	22.7	A	10.7	148	15.4	C	68.7	53.7	-1.4	A	-3.6	D	0.00		
91	5	10	10	5.0	165	35.6	A	9.2	155	19.1	B	10.2	150	16.9	C	70.8	54.2	-1.8	A	-4.0	C	0.00		
91	5	10	11	5.4	167	46.7	A	9.4	150	23.6	A	11.6	149	18.3	B	99.9	54.6	-1.8	A	-3.9	C	0.00		
91	5	11	18	5.5	215	99.9	-	7.0	225	99.9	-	9.0	230	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	19	2.5	185	99.9	-	5.5	195	99.9	-	9.5	210	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	20	4.5	225	99.9	-	6.5	240	99.9	-	9.5	235	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	21	6.0	235	99.9	-	8.0	245	99.9	-	12.0	245	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	22	9.5	210	99.9	-	12.5	225	99.9	-	20.0	225	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	23	9.0	215	99.9	-	12.0	230	99.9	-	18.0	225	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	11	24	6.5	280	99.9	-	11.5	290	99.9	-	16.0	285	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	1	7.5	270	99.9	-	12.5	280	99.9	-	17.5	275	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	2	5.0	270	99.9	-	10.0	280	99.9	-	13.0	275	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	3	6.0	285	99.9	-	12.0	290	99.9	-	16.0	275	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	4	5.0	280	99.9	-	8.5	290	99.9	-	12.0	280	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	5	6.5	260	99.9	-	10.5	275	99.9	-	15.5	275	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	6	5.5	290	99.9	-	9.5	290	99.9	-	13.0	285	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	12	7	6.0	315	99.9	-	10.5	300	99.9	-	15.0	290	99.9	-	99.9	999.9	999.9	-	-2.0	D	9.99		
91	5	15	21	5.1	303	27.4	A	10.2	294	13.1	C	14.9	293	7.3	E	51.4	48.2	-0.7	D	-2.6	D	0.00		
91	5	15	22	5.3	282	25.9	A	10.0	282	12.5	C	13.8	283	6.7	E	51.1	47.2	-0.7	D	-2.7	D	0.00		
91	5	15	23	6.0	254	18.0	B	9.8	264	12.0	D	13.2	269	7.8	D	50.4	47.1	-0.8	D	-2.6	D	0.00		
91	5	15	24	7.7	246	13.5	C	11.2	252	10.3	D	14.8	259	7.7	D	49.7	46.6	-0.6	D	-2.2	D	0.00		
91	5	16	1	7.7	246	14.0	C	11.7	252	11.3	D	17.0	257	8.1	D	49.7	46.6	-0.7	D	-2.4	D	0.00		
91	5	16	2	7.7	246	14.4	C	11.8	253	10.5	D	17.2	257	7.4	E	49.8	46.5	-0.6	D	-2.4	D	0.00		
91	5	16	3	6.4	258	20.7	B	10.9	258	11.6	D	15.0	267	7.4	E	49.8	46.9	-0.7	D	-2.5	D	0.00		
91	5	16	4	5.9	272	29.1	A	10.6	291	12.4	D	16.0	282	7.3	E	49.8	46.4	-0.6	D	-2.5	D	0.00		
91	5	16	5	4.8	280	30.6	A	8.9	283	14.7	C	12.9	285	8.2	D	49.9	46.1	-0.6	D	-2.5	D	0.00		
91	5	16	6	4.9	296	34.3	A	9.9	293	16.3	C	13.8	289	8.7	D	50.0	45.9	-0.7	D	-2.5	D	0.00		
91	5	16	7	4.5	303	30.4	A	8.9	295	14.1	C	12.4	292	8.2	D	50.2	46.1	-0.7	D	-2.6	D	0.00		
91	5	17	18	6.2	358	20.1	B	10.9	7	11.5	D	14.3	2	6.3	E	63.6	42.9	-1.0	C	-2.9	D	0.00		
91	5	17	19	4.5	360	99.9	-	9.0	20	99.9	-	12.0	360	99.9	-	99.9	999.9	999.9	-	-0.1	E	9.99		
91	5	17	20	4.5	325	99.9	-	7.0	355	99.9	-	11.0	360	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	17	21	4.5	330	99.9	-	7.5	350	99.9	-	10.5	355	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	17	22	4.0	330	99.9	-	7.0	345	99.9	-	11.5	355	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	17	23	3.0	335	99.9	-	6.5	350	99.9	-	13.5	5	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	17	24	3.5	345	99.9	-	6.5	350	99.9	-	13.0	5	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	18	1	3.0	345	99.9	-	5.5	20	99.9	-	10.5	5	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	18	2	3.5	15	99.9	-	7.0	30	99.9	-	12.5	15	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	18	3	2.5	30	99.9	-	5.0	20	99.9	-	8.5	10	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		
91	5	18	4	1.5	10	99.9	-	2.5	350	99.9	-	5.5	20	99.9	-	99.9	999.9	999.9	-	4.0	F	9.99		

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500 FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT				150 FT				500 FT				AMB. TEMP 35F	DEW POINT 35F	DELTA T		DELTA T		RAIN FALL
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC			(F)	SC (F)	(F)	SC (F)	
81	5	18	5	1.5	350	99.9	-	2.5	350	99.9	-	4.5	35	99.9	-	999.9	999.9	999.9	-	4.0	F	9.99
81	5	29	21	1.5	110	99.9	-	1.5	350	99.9	-	5.5	180	99.9	-	63.0	63.0	2.4	F	3.8	E	0.00
81	5	29	22	4.0	175	99.9	-	8.0	135	99.9	-	17.0	200	99.9	-	64.5	63.0	1.5	F	2.3	E	0.00
81	5	29	23	4.5	180	99.9	-	8.0	195	99.9	-	18.0	205	99.9	-	64.5	62.5	0.7	E	0.5	E	0.00
81	5	29	24	3.5	180	99.9	-	7.5	200	99.9	-	15.0	210	99.9	-	64.0	62.5	0.6	E	0.2	E	0.00
81	5	30	15	4.0	215	99.9	-	5.5	210	99.9	-	7.5	210	99.9	-	73.5	65.0	-0.7	D	-2.5	D	0.00
81	5	30	16	4.5	305	99.9	-	5.5	330	99.9	-	10.0	325	99.9	-	67.0	66.0	-0.5	D	-1.9	D	0.39
81	5	30	17	2.3	290	99.9	-	3.5	285	99.9	-	5.0	325	99.9	-	65.5	65.5	0.1	E	-1.1	E	0.00
81	5	30	18	2.5	300	99.9	-	3.5	290	99.9	-	5.0	310	99.9	-	66.5	66.5	0.3	E	-1.3	D	0.00
81	5	30	19	2.0	305	99.9	-	4.0	295	99.9	-	7.0	320	99.9	-	66.5	66.5	0.2	E	-0.6	E	0.00
81	5	30	20	2.5	315	99.9	-	4.5	315	99.9	-	9.0	330	99.9	-	66.0	66.0	0.3	E	-0.4	E	0.00
81	5	30	21	2.5	330	99.9	-	5.0	320	99.9	-	8.5	335	99.9	-	65.5	65.5	0.3	E	-0.8	E	0.00
81	5	30	22	3.5	335	99.9	-	5.5	330	99.9	-	9.5	335	99.9	-	64.5	64.0	-0.1	E	-1.2	E	0.00
81	5	31	8	5.5	350	99.9	-	7.0	350	99.9	-	10.0	345	99.9	-	56.0	47.5	-0.8	D	-2.9	D	0.00
81	5	31	9	4.5	10	99.9	-	5.5	15	99.9	-	7.5	345	99.9	-	58.0	45.0	-1.0	C	-3.3	D	0.00
81	5	31	10	5.5	340	99.9	-	7.5	345	99.9	-	8.5	330	99.9	-	60.5	43.5	-1.0	C	-3.3	D	0.00
81	5	31	11	5.5	350	99.9	-	7.5	350	99.9	-	10.0	340	99.9	-	63.0	39.0	-1.1	B	-3.6	D	0.00
81	5	31	12	6.0	330	99.9	-	8.5	330	99.9	-	11.0	320	99.9	-	64.0	37.5	-1.4	A	-3.6	D	0.00
81	5	31	13	6.0	315	99.9	-	9.0	325	99.9	-	10.5	315	99.9	-	65.5	40.0	-1.4	A	-4.1	C	0.00
81	5	31	14	6.5	330	99.9	-	8.5	315	99.9	-	11.0	315	99.9	-	66.0	40.5	-1.4	A	-3.8	D	0.00
81	5	31	15	5.5	325	99.9	-	8.5	330	99.9	-	9.5	315	99.9	-	66.5	41.0	-1.3	A	-3.6	D	0.00
81	6	3	15	3.7	177	27.7	A	6.9	197	15.3	C	11.8	219	12.0	D	72.2	71.0	-1.0	C	-2.2	D	0.01
81	6	3	16	6.3	200	16.2	C	9.4	205	9.5	D	14.0	211	6.6	E	73.9	70.8	-1.2	A	-2.8	D	0.00
81	6	3	17	4.8	248	33.7	A	7.6	253	18.6	R	12.3	247	16.8	C	70.5	68.4	-0.7	D	-0.9	E	0.39
81	6	3	18	1.5	245	37.6	A	2.8	230	27.3	A	10.3	228	9.6	D	70.2	68.7	-0.5	D	-0.2	E	0.00
81	6	3	19	1.4	157	62.3	A	3.8	222	18.2	B	13.8	224	5.3	E	70.5	69.6	0.2	E	0.8	E	0.00
81	6	3	20	5.4	195	15.4	C	9.7	211	8.6	D	20.6	223	2.7	F	70.3	69.7	0.6	E	1.4	E	0.00
81	6	3	21	3.6	183	17.1	C	7.6	217	6.8	E	16.8	223	3.2	F	69.3	69.0	1.2	F	1.5	E	0.00
81	6	3	22	3.5	176	17.0	C	8.1	211	7.3	E	17.3	220	3.2	F	68.2	68.7	2.0	F	2.4	E	0.00
81	6	3	23	5.2	203	15.9	C	8.9	218	9.9	D	18.8	220	4.6	E	69.1	69.0	0.8	E	0.5	E	0.00
81	6	4	17	5.1	317	29.5	A	8.4	311	14.6	C	12.7	305	10.1	D	78.9	59.5	-0.7	D	-2.6	D	0.00
81	6	4	18	4.0	325	23.0	A	6.9	321	16.0	C	10.5	315	9.7	D	78.4	59.7	-0.5	D	-2.3	D	0.00
81	6	4	19	2.4	322	23.7	A	4.3	316	16.1	C	10.1	326	6.1	E	76.3	59.8	-0.3	E	-1.6	D	0.00
81	6	4	20	1.3	328	47.8	A	4.3	308	14.7	C	10.9	333	4.7	E	72.1	61.7	1.0	F	0.1	E	0.00
81	6	4	21	1.0	138	28.4	A	2.9	270	15.3	C	7.5	327	4.4	E	66.6	62.3	4.1	G	4.1	F	0.00
81	6	4	22	0.9	113	30.5	A	2.6	192	23.2	A	6.0	304	6.6	E	63.2	61.3	3.1	G	6.6	F	0.00
81	6	4	23	1.6	137	30.3	A	3.7	204	8.3	D	5.4	282	3.9	F	61.4	60.5	2.3	F	6.5	F	0.00
81	6	4	24	1.2	119	23.7	A	4.1	205	8.1	D	4.1	269	4.7	E	60.0	59.4	2.3	F	4.7	F	0.00
81	6	5	1	1.7	124	20.4	R	4.6	206	5.8	E	4.4	274	5.1	E	58.5	58.6	2.7	G	3.9	F	0.00
81	6	5	2	1.4	118	37.4	A	3.6	208	9.3	D	3.9	250	9.4	D	58.0	58.0	2.5	F	3.9	F	0.00
81	6	8	19	5.8	215	16.9	C	8.3	219	14.0	C	13.7	215	10.7	D	76.6	65.7	-0.4	D	-1.9	D	0.00
81	6	8	20	8.0	217	16.8	C	11.6	222	11.5	D	19.8	217	6.9	E	71.2	68.3	-1.0	C	-1.6	D	0.05
81	6	8	21	6.2	203	14.2	C	10.0	205	10.4	D	20.2	203	5.5	F	70.0	68.1	-1.1	B	-0.9	F	0.08
81	6	8	22	12.0	224	14.6	C	16.5	224	13.0	C	27.1	224	8.4	D	70.4	48.9	-0.6	D	-1.1	E	0.09
81	6	8	23	99.9	999	99.9	-	99.9	999	99.9	-	20.5	215	99.9	-	999.9	999.9	999.9	-	-0.3	E	0.02
81	6	8	24	99.9	999	99.9	-	99.9	999	99.9	-	19.5	215	99.9	-	999.9	999.9	999.9	-	0.8	E	9.99
81	6	9	1	99.9	999	99.9	-	99.9	999	99.9	-	15.5	220	99.9	-	999.9	999.9	999.9	-	0.5	E	0.05
81	6	9	2	99.9	999	99.9	-	99.9	999	99.9	-	15.0	230	99.9	-	999.9	999.9	999.9	-	-0.6	E	0.09

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA

500FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DAY	HR	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	AMB. TEMP 35F (F)	DEW POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL SC(IN)
81	6	9	8	5.4	323	37.8 A	9.7	301	13.1 C	15.0	298	7.7 D	66.3	64.5	0.3 E	-1.1 E	0.00			
81	6	9	9	7.5	300	29.2 A	14.5	297	13.1 C	19.0	298	8.4 D	67.5	62.1	-0.7 D	-1.5 D	0.00			
81	6	9	10	8.5	303	27.7 A	14.3	298	13.9 C	17.1	299	10.0 D	70.3	57.5	-1.3 A	-3.3 D	0.00			
81	6	9	11	6.8	306	33.3 A	12.8	296	17.1 C	15.4	296	13.0 C	71.9	56.5	-1.5 A	-3.6 D	0.00			
81	6	9	12	7.3	305	36.5 A	14.1	294	16.0 C	17.8	293	9.7 D	73.4	55.4	-1.6 A	-3.6 D	0.00			
81	6	9	13	6.6	295	32.9 A	12.0	290	15.6 C	15.6	288	9.9 D	74.0	54.0	-1.5 A	-3.3 D	0.00			
81	6	9	14	6.6	293	30.3 A	13.1	290	12.3 D	17.0	288	7.9 D	74.7	54.3	-1.7 A	-3.6 D	0.00			
81	6	9	15	99.9	999	99.9 -	99.9	999	99.9 -	15.0	290	99.9 -	99.9	999.9	999.9 -	-3.8 D	0.04			
81	6	9	16	99.9	999	99.9 -	99.9	999	99.9 -	15.0	290	99.9 -	99.9	999.9	999.9 -	-3.5 D	9.99			
81	6	9	17	5.7	315	28.9 A	11.2	297	11.7 D	16.1	292	5.8 E	74.1	54.4	-0.8 D	-2.5 D	0.00			
81	6	9	18	3.9	311	28.6 A	7.2	299	15.5 C	11.2	292	8.5 D	73.0	55.5	-0.6 D	-2.2 D	0.00			
81	6	9	19	2.5	341	36.7 A	5.6	290	17.1 C	10.1	288	6.6 E	71.4	56.8	-0.3 E	-1.5 D	0.00			
81	6	9	20	2.2	194	40.0 A	3.5	282	31.8 A	8.1	286	5.9 E	68.7	58.6	0.5 E	-0.1 E	0.00			
81	6	9	21	2.5	173	37.0 A	4.4	217	25.2 A	11.1	264	6.8 E	65.8	61.1	0.6 E	0.8 E	0.03			
81	6	9	22	3.2	205	46.0 A	6.3	240	38.1 A	11.5	255	14.0 C	64.1	61.8	-0.2 E	-1.5 D	0.06			
81	6	9	23	1.6	124	43.0 A	2.1	234	39.4 A	4.9	262	22.1 B	61.9	61.5	0.1 E	-0.7 E	0.12			
81	6	13	14	4.1	188	29.8 A	7.7	189	17.1 C	9.8	185	10.6 D	80.5	70.3	-1.1 B	-3.0 D	0.00			
81	6	13	15	3.1	192	23.4 A	5.5	197	10.6 D	9.9	196	5.3 E	79.0	71.3	-0.4 D	-2.0 D	0.01			
81	6	13	16	1.0	95	99.9 -	2.5	185	99.9 -	7.0	200	99.9 -	75.5	74.5	-0.1 E	-0.9 E	0.07			
81	6	13	17	2.0	40	99.9 -	2.0	35	99.9 -	4.5	185	99.9 -	73.5	73.3	0.0 E	-0.5 E	0.13			
81	6	13	18	2.5	180	99.9 -	3.5	175	99.9 -	13.0	180	99.9 -	73.0	73.0	-0.1 E	0.6 E	0.03			
81	6	13	19	2.0	170	99.9 -	5.0	175	99.9 -	11.5	185	99.9 -	72.5	72.5	-0.2 E	0.2 E	0.06			
81	6	13	20	2.5	180	99.9 -	6.0	195	99.9 -	13.5	205	99.9 -	72.0	72.0	0.2 E	0.3 E	0.02			
81	6	16	8	6.6	228	22.5 A	8.6	230	15.6 C	12.7	223	12.3 D	79.5	69.7	-0.8 D	-2.6 D	0.00			
81	6	16	19	1.9	9	78.1 A	3.7	257	26.0 A	9.0	253	15.2 C	71.3	70.9	-0.6 D	-1.1 E	0.00			
81	6	16	20	1.3	57	59.6 A	2.3	224	32.0 A	8.3	253	16.7 C	71.4	71.0	-0.5 D	-1.0 E	0.00			
81	6	16	21	5.7	247	21.4 B	9.1	257	11.7 D	13.5	266	7.7 D	70.4	69.3	0.0 E	-0.4 E	0.02			
81	6	16	22	2.4	316	56.0 A	5.6	291	13.8 C	9.4	284	7.7 D	67.6	67.3	0.4 E	-0.1 E	0.00			
81	6	16	23	4.2	306	30.1 A	8.2	295	11.1 D	13.7	290	9.1 D	66.4	64.2	0.8 E	0.1 E	0.00			
81	6	16	24	2.4	249	57.1 A	4.4	288	17.7 B	10.0	288	9.5 D	64.8	62.2	0.3 E	0.8 E	0.00			
81	6	17	1	1.8	305	46.8 A	4.7	285	15.2 C	8.3	277	8.5 D	65.5	62.0	-0.1 E	-0.9 E	0.00			
81	6	17	2	2.3	304	56.8 A	4.5	278	23.7 A	9.5	275	8.6 D	65.1	61.6	-0.2 E	-1.6 D	0.00			
81	6	17	3	1.8	254	55.6 A	4.8	279	13.0 C	8.7	274	7.6 D	64.0	59.9	0.0 E	-1.3 D	0.00			
81	6	17	4	2.0	203	32.3 A	4.9	276	15.3 C	8.5	273	8.2 D	62.7	59.9	0.3 E	-0.8 E	0.00			
81	6	17	5	2.9	275	35.1 A	6.4	277	13.4 C	11.2	276	8.4 D	62.9	59.5	-0.3 E	-1.7 D	0.00			
81	6	17	15	4.9	318	42.3 A	6.8	314	23.5 A	8.0	306	17.2 C	72.8	52.0	-1.3 A	-3.6 D	0.00			
81	6	17	16	4.7	344	27.2 A	6.6	342	19.2 B	7.5	330	19.8 E	72.5	53.1	-1.0 C	-3.3 D	0.00			
81	6	19	18	4.4	257	21.2 B	7.4	256	8.9 D	9.6	270	5.9 E	79.8	60.4	-0.7 D	-2.1 D	0.00			
81	6	19	19	1.3	69	38.5 A	3.0	274	28.1 A	7.4	310	5.7 E	76.2	64.1	0.2 E	0.2 E	0.00			
81	6	19	20	1.5	134	24.8 A	2.2	131	23.7 A	4.9	305	8.8 D	71.5	65.7	2.2 F	3.8 E	0.00			
81	6	19	21	1.4	134	38.8 A	3.3	146	34.5 A	2.5	262	14.6 C	69.4	65.0	2.1 F	4.1 F	0.00			
81	6	19	22	1.2	115	36.3 A	2.3	98	21.3 B	1.5	231	27.1 A	68.4	64.6	1.4 F	3.9 F	0.00			
81	6	19	23	1.4	115	36.7 A	1.7	342	8.1 D	2.0	263	46.4 A	67.5	65.0	1.0 F	3.7 E	0.00			
81	6	19	24	1.4	148	32.4 A	3.2	208	11.8 D	4.5	299	11.0 D	67.2	64.1	1.5 F	2.4 E	0.00			
81	6	20	1	1.5	42	46.9 A	2.4	294	34.2 A	6.2	348	14.6 C	67.5	64.0	0.9 F	0.0 E	0.00			
81	6	20	2	1.1	112	24.7 A	2.5	40	25.8 A	5.4	29	17.6 B	64.7	63.7	2.6 G	2.4 E	0.00			
81	6	20	3	1.4	138	24.1 A	1.8	172	30.2 A	4.9	8	19.6 B	63.7	63.3	2.3 F	3.1 E	0.00			
81	6	22	24	2.3	179	55.7 A	4.5	224	32.7 A	9.5	258	24.7 A	62.1	56.8	0.7 E	0.5 E	0.00			

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA
500FT-LEVEL BATCH REV1

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMR.	DEW	DELTA T	DELTA T	RAIN
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT			
				(MPH)	(DEG)	SC(DEV)	(MPH)	(DEG)	SC(DEV)	(MPH)	(DEG)	SC(DEV)	(F)	(F)	(F)	SC (F)	SC (IN)
81	5	23	1	2.2	147	41.7 A	3.4	189	48.8 A	11.1	266	5.0 E	60.1	56.6	1.7 F	2.4 E	0.00
81	6	23	2	1.9	141	41.9 A	3.5	192	18.2 B	7.4	270	11.1 D	58.9	56.2	1.9 F	1.9 E	0.00
81	6	23	3	1.7	136	38.2 A	3.9	199	9.4 D	7.6	274	7.7 D	57.9	56.4	2.4 F	3.6 E	0.00
81	6	23	4	1.7	142	33.5 A	2.6	223	42.7 A	7.9	278	4.9 E	59.0	57.1	1.0 F	3.1 E	0.00
81	6	23	5	2.0	163	43.3 A	2.8	232	27.1 A	7.8	275	5.6 E	59.0	57.7	0.9 E	1.2 E	0.00
81	6	23	6	1.6	183	57.1 A	3.5	273	26.4 A	8.9	291	4.5 E	60.4	58.8	0.6 E	0.9 E	0.00
81	6	23	7	1.5	3	48.3 A	2.3	294	34.7 A	5.1	323	11.9 D	62.9	59.0	-0.5 D	-1.5 D	0.00
81	6	23	8	2.0	57	36.6 A	3.4	67	38.0 A	5.2	352	15.9 C	65.1	58.7	-0.6 D	-2.1 D	0.00
81	6	23	9	2.1	391	48.3 A	2.5	322	44.7 A	2.9	285	36.4 A	68.0	57.0	-0.8 D	-2.8 D	0.00
81	6	23	10	3.2	279	46.5 A	4.3	314	47.0 A	5.4	297	20.4 B	70.2	56.7	-1.2 A	-3.2 D	0.00
81	6	23	11	4.4	323	44.6 A	6.4	315	27.5 A	8.0	314	18.4 B	71.4	56.9	-1.3 A	-3.3 D	0.00
81	6	23	12	5.6	308	37.5 A	8.4	314	30.3 A	9.5	302	18.9 B	72.8	55.8	-1.4 A	-3.2 D	0.00
81	6	26	12	6.2	326	33.8 A	9.4	331	24.7 A	11.8	319	16.7 C	66.7	44.8	-1.4 A	-3.4 D	0.00
81	6	26	13	5.3	331	31.9 A	7.4	328	29.0 A	10.4	310	21.7 B	67.2	44.3	-1.2 A	-3.3 D	0.00
81	6	26	14	5.9	325	39.5 A	8.8	326	26.5 A	10.9	314	20.4 B	68.8	43.8	-1.6 A	-3.6 D	0.00
81	6	26	15	5.9	347	36.8 A	8.9	340	21.0 B	11.8	323	17.5 B	69.3	43.3	-1.5 A	-3.5 D	0.00
81	6	26	16	5.9	341	32.9 A	8.9	335	25.0 A	12.0	324	17.4 C	69.0	42.3	-1.3 A	-3.2 D	0.00
81	6	26	17	5.7	337	28.0 A	8.0	335	17.2 C	12.0	323	9.4 D	68.2	43.4	-1.0 C	-3.0 D	0.00
81	6	26	18	4.1	352	29.4 A	6.5	345	16.3 C	12.2	331	10.4 D	67.9	45.0	-1.1 B	-2.9 D	0.00
81	6	26	19	3.2	343	20.3 B	5.6	341	10.9 D	10.4	330	6.6 E	66.2	46.4	-0.6 D	-2.1 D	0.00
81	6	26	20	1.8	343	31.3 A	6.2	338	5.4 E	13.3	344	1.8 G	61.9	49.1	1.0 F	0.7 E	0.00
81	6	26	21	1.6	94	25.2 A	3.2	317	34.2 A	11.1	319	3.7 F	56.3	50.6	2.9 G	3.2 E	0.00
81	6	26	22	1.9	136	28.6 A	3.1	194	28.1 A	11.3	350	4.9 E	52.8	50.3	3.4 G	6.4 F	0.00
81	6	29	10	2.5	216	36.3 A	3.7	209	20.5 B	6.3	201	17.5 B	73.7	61.1	-1.0 C	-2.8 D	0.00
81	6	29	11	4.4	214	36.5 A	5.4	202	26.8 A	7.5	192	20.9 B	77.1	62.6	-1.3 A	-3.4 D	0.00
81	6	29	12	5.0	218	27.2 A	6.5	214	29.8 A	8.0	208	17.5 B	80.8	64.2	-1.5 A	-3.5 D	0.00
81	6	29	13	5.6	221	31.2 A	7.2	219	27.0 A	8.9	213	20.7 B	83.2	65.0	-1.8 A	-3.7 D	0.00
81	6	29	14	6.2	206	24.0 A	8.4	205	17.6 B	10.5	201	13.7 C	84.0	65.1	-1.7 A	-3.5 D	0.00
81	6	29	15	7.5	218	24.8 A	9.7	216	10.7 B	12.0	207	13.0 C	85.3	64.5	-1.8 A	-3.6 D	0.00
81	6	29	16	7.0	213	20.7 B	9.4	212	15.4 C	11.4	207	9.5 D	85.1	65.2	-1.5 A	-3.3 D	0.00