

Beaver Valley
Joint Frequency Distribution Tables
for
Batch Releases

Delta T (150ft-35ft) and 35-Ft Wind
and
Delta T (500ft-35ft) and 500-Ft Wind
Third Quarter 1991

IE48 1/1

9203090054 911231
PDR ADOCK 05000334
R PDR

HALLIBURTON NUS

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES
SITE IDENTIFIER: DLBVZ
DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	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	1	0	0	0	0	0	1

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2
3.51- 7.50	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	5
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	7

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES
 SITE IDENTIFIER: DLBV2
 DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY CLASS E
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	0	0	2	1	1	1	2	0	0	1	0	0	2	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2	1	1	1	2	0	1	1	0	0	2	0	11

STABILITY CLASS F
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	0	0	1	3	0	0	1	1	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	3	0	0	1	1	0	0	0	0	0	0	5

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	5
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	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	0	0	0	0	0	0	0	0	5

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	4	5	2	4	3	1	0	1	0	0	3	0	23
3.51- 7.50	0	0	0	0	0	0	0	0	1	2	2	1	0	2	0	4	12
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	4	5	2	4	4	3	3	2	0	2	3	4	36

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY . . . GROUND LEVEL BATCH RELEASES
SITE IDENTIFIER: DLBVZ
DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
WIND MEASURED AT: 35.0 FEET
WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 36
TOTAL NUMBER OF VALID OBSERVATIONS: 36
TOTAL NUMBER OF MISSING OBSERVATIONS: 0
PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %
MEAN WIND SPEED FOR THIS PERIOD: 3.1 MPH
TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES
A 11.11 B 2.78 C 5.56 D 19.44 E 30.56 F 16.67 G 13.89

		DISTRIBUTION OF WIND DIRECTION VS STABILITY																
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CAHM
A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
C	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
D	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0
E	0	0	0	0	2	1	1	1	2	0	0	1	1	0	0	2	0	0
F	0	0	0	0	1	3	0	0	1	1	1	0	0	0	0	0	0	0
G	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	4	5	2	4	4	3	5	2	2	0	2	3	4	0

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
SITE IDENTIFIER: DLBVZ
DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3RD QTR 1991 ***

STABILITY CLASS C
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: .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																		C
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	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	2	0	0	0	0	0	2

STABILITY CLASS D
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
WIND MEASURED AT: 500.0 FEET
WIND THRESHOLD AT: .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																		
.76- 3.50	1	0	1	2	0	0	0	0	0	0	0	2	0	0	0	0	0	6
3.51- 7.50	4	0	3	0	1	0	0	0	0	0	1	5	3	0	0	1	18	
7.51-12.50	1	0	0	0	0	1	0	0	0	0	1	10	1	0	0	0	14	
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	6	0	4	2	1	0	1	0	0	0	2	17	4	0	0	1	38	

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
SITE IDENTIFIER: DLBVZ
DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3RD QTR 1991 ***

STABILITY CLASS E

WIND MEASURED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND THRESHOLD AT: 500.0 FEET

WIND THRESHOLD AT: .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	2	0	0	0	0	1	1	1	0	0	1	2	0	0
.76- 3.50	0	1	0	2	0	1	0	1	1	0	0	1	0	1	1	0	0
3.51- 7.50	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0
7.51-12.50	2	0	0	0	0	0	0	1	0	5	1	1	1	1	0	0	9
12.51-18.50	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	12
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
TOTAL	2	1	0	4	0	1	0	2	2	6	5	3	2	3	2	0	33

STABILITY CLASS F

WIND MEASURED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND THRESHOLD AT: 500.0 FEET

WIND THRESHOLD AT: .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	2	0	0	0	0	0	1	0	3	1	2	0	2	0
.76- 3.50	0	1	2	2	0	0	0	0	0	1	0	3	1	2	0	2	14
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	2	3	0	1	0	0	6
7.51-12.50	0	0	1	1	0	0	0	0	0	0	2	2	0	0	0	0	6
12.51-18.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	3	3	0	0	0	0	0	1	5	8	1	3	0	2	27

PROGRAM: JFD VERSION: PC-1.1
 BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
 SITE IDENTIFIER: DLB2
 DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 340 QTR 1991 ***

STABILITY CLASS G
 STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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																	1
.76- 3.50	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
3.51- 7.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	4

STABILITY CLASS ALL
 STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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																	1
.76- 3.50	1	1	3	7	1	0	0	0	1	2	1	5	1	3	2	2	30
3.51- 7.50	4	1	3	2	1	1	1	1	1	0	3	10	4	2	0	1	35
7.51-12.50	3	0	1	1	0	0	1	1	0	5	4	14	2	1	0	0	33
12.51-18.50	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
TOTAL	8	2	7	10	2	1	2	2	2	7	12	30	7	6	2	3	104

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
 SITE IDENTIFIER: DLBV2
 DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3RD QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 104
 TOTAL NUMBER OF VALID OBSERVATIONS: 104
 TOTAL NUMBER OF MISSING OBSERVATIONS: 0
 PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %
 MEAN WIND SPEED FOR THIS PERIOD: 6.4 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
.00	.00	1.92	36.54	31.73	25.96	3.85

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	0	0	0	0	0
D	6	4	4	2	1	0	1	0	0	0	2	4	4	0	0	1	0
E	2	1	0	4	0	0	1	0	2	6	5	3	2	3	2	0	0
F	0	1	3	3	0	0	0	0	1	1	5	8	1	3	0	2	0
G	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL	8	2	7	10	2	1	2	2	2	7	12	30	7	6	2	3	1

Beaver Valley
Listings of Meteorological Data
for
Periods of Ground-Level Gaseous Effluent Releases

Third Quarter 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 150- LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

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

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB.		DEW		DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN SC (IN)
				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)	TEMP 500F (F)					
91	7	7	19	9.8	218.	99.9	14.8	217.	99.9	25.9	223.	99.9	79.1	64.4	.6 E	1.0 E	.00		
91	7	7	20	4.6	247.	99.9	8.4	262.	99.9	11.9	243.	99.9	74.4	66.4	-.5 D	-2.3 D	.01		
91	7	7	21	2.9	238.	99.9	5.1	270.	99.9	8.6	247.	99.9	74.3	67.0	-.3 E	-1.5 D	.00		
91	7	7	22	1.1	88.	99.9	1.1	7.	99.9	9.7	240.	99.9	71.7	66.9	1.9 F	2.1 E	.00		
91	7	7	23	1.4	192.	99.9	4.9	224.	99.9	17.6	221.	99.9	73.2	999.9	2.0 F	5.5 F	.00		
91	7	12	16	1.8	92.	99.9	6.4	133.	99.9	7.3	14.	99.9	79.5	61.6	-.9 D	-2.7 D	.00		
91	7	12	17	1.3	126.	99.9	4.1	163.	99.9	5.3	58.	99.9	77.7	63.2	.4 E	-.9 E	.00		
91	7	12	20	1.3	99.	99.9	5.0	115.	99.9	8.7	130.	99.9	75.8	65.9	.3 E	-.1 E	.00		
91	7	12	21	1.1	158.	99.9	2.4	144.	99.9	10.4	136.	99.9	73.8	66.6	.8 E	1.9 E	.00		
91	7	12	22	1.7	182.	99.9	4.7	185.	99.9	11.7	196.	99.9	72.2	66.3	2.2 F	1.5 E	.00		
91	7	12	23	1.1	182.	99.9	3.7	181.	99.9	9.3	185.	99.9	72.1	999.9	.5 E	-.2 E	.00		
91	8	19	13	3.6	342.	99.9	5.2	315.	99.9	7.6	302.	99.9	58.8	40.1	-1.1 B	-3.2 D	.00		
91	8	19	14	3.7	344.	99.9	5.4	346.	99.9	7.0	317.	99.9	59.6	39.7	-1.4 A	-3.4 D	.00		
91	8	19	15	4.6	296.	99.9	6.2	294.	99.9	7.0	296.	99.9	60.6	38.4	-1.2 A	-3.5 D	.00		
91	8	19	16	4.5	332.	99.9	6.2	331.	99.9	10.7	319.	99.9	61.0	35.4	-1.0 C	-3.0 F	.00		
91	8	19	17	5.1	341.	99.9	8.6	4.	99.9	11.1	354.	99.9	62.5	35.4	-1.4 A	-3.6 D	.00		
91	8	19	18	3.3	309.	99.9	6.3	309.	99.9	9.7	324.	99.9	60.5	36.1	-.6 D	-2.4 D	.00		
91	8	19	19	3.8	292.	99.9	5.2	317.	99.9	10.8	334.	99.9	59.0	36.2	-.5 D	-2.2 D	.00		
91	8	19	20	3.1	315.	99.9	6.1	338.	99.9	11.8	351.	99.9	57.3	37.4	-.3 E	-1.7 D	.00		
91	8	19	21	1.0	122.	99.9	1.7	307.	99.9	3.3	343.	99.9	56.1	36.7	.1 E	-1.3 D	.00		
91	8	19	22	1.6	320.	99.9	4.7	329.	99.9	10.7	1.	99.9	55.5	37.4	-.1 E	-1.3 D	.00		
91	8	19	23	1.4	120.	99.9	2.1	163.	99.9	4.6	11.	99.9	52.1	41.7	1.8 F	.5 E	.00		
91	8	19	24	1.8	112.	99.9	2.1	238.	99.9	2.2	332.	99.9	48.8	42.1	2.9 G	3.5 E	.00		
91	8	20	1	1.9	146.	99.9	5.3	207.	99.9	4.7	278.	99.9	45.4	41.7	3.6 G	5.4 F	.00		
91	8	20	2	1.9	105.	99.9	3.0	189.	99.9	5.2	292.	99.9	44.6	41.2	2.0 F	3.4 E	.00		
91	8	20	3	1.0	147.	99.9	1.1	42.	99.9	2.4	74.	99.9	42.3	41.1	2.7 G	3.7 E	.00		
91	8	20	4	1.6	150.	99.9	3.8	189.	99.9	2.4	242.	99.9	42.1	41.0	2.8 G	3.6 E	.00		
91	8	20	5	1.5	152.	99.9	1.0	191.	99.9	4.6	274.	99.9	42.8	41.5	2.6 G	2.3 E	.00		
91	8	22	7	2.4	109.	99.9	3.7	79.	99.9	4.5	82.	99.9	39.2	39.0	1.1 F	2.2 E	.00		
91	8	22	8	2.1	94.	99.9	4.6	89.	99.9	4.8	104.	99.9	40.3	40.2	.2 E	1.6 E	.00		
91	8	22	14	7.4	212.	99.9	10.4	217.	99.9	14.2	209.	99.9	69.5	47.2	-1.3 A	-3.7 D	.00		
91	8	22	15	6.9	230.	99.9	8.9	219.	99.9	12.0	215.	99.9	70.5	47.7	-.9 D	-3.2 D	.00		
91	8	22	16	6.2	215.	99.9	8.8	210.	99.9	11.5	204.	99.9	71.1	48.7	-1.0 C	-2.9 D	.00		
91	8	22	17	6.2	197.	99.9	11.7	194.	99.9	16.2	197.	99.9	71.1	47.9	-.6 D	-2.5 D	.00		
91	8	22	18	5.2	190.	99.9	9.4	193.	99.9	13.1	195.	99.9	71.7	48.4	-.5 D	-2.4 D	.00		
91	8	22	19	2.3	171.	99.9	6.3	177.	99.9	12.3	187.	99.9	69.6	49.1	.2 E	-1.0 E	.00		

Beaver Valley
Listings of Meteorological Data
for
Periods of Elevated Gaseous Effluent Releases
Third Quarter 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BRAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

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

YR	MO	DY	HR	35 FT				150 FT				AMB.		DEW		DELTA T		RAIN			
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	WIND SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG)	SC	TEMP 35F (F)	POINT 35F (F)		150-35 (F)	500-35 (F)	
91	7	6	21	2.9	322.	99.9	-	5.0	164.	99.9	-	9.4	144.	99.9	-	77.6	68.0	-4.0	-1.9	D	.00
91	7	6	22	2.6	46.	99.9	-	3.0	80.	99.9	-	5.5	182.	99.9	-	75.2	67.5	.0	-8.8	E	.00
91	7	6	23	1.2	95.	99.9	-	2.7	48.	99.9	-	3.5	174.	99.9	-	72.1	999.9	2.2	1.9	E	.00
91	7	6	24	1.7	139.	99.9	-	4.8	202.	99.9	-	10.4	210.	99.9	-	72.9	68.1	.8	2.4	E	.00
91	7	7	1	1.4	6.	99.9	-	2.8	340.	99.9	-	9.3	207.	99.9	-	71.8	68.8	1.1	3.3	E	.00
91	7	7	2	1.5	212.	99.9	-	2.5	278.	99.9	-	11.2	210.	99.9	-	71.9	69.1	1.2	3.2	E	.00
91	7	7	3	1.4	215.	99.9	-	3.0	290.	99.9	-	15.1	229.	99.9	-	72.6	69.5	1.0	3.5	E	.00
91	7	7	4	5.5	246.	99.9	-	6.2	235.	99.9	-	21.4	229.	99.9	-	76.8	67.8	.0	-4.8	E	.00
91	7	15	17	4.8	355.	99.9	-	6.5	9.	99.9	-	6.1	4.	99.9	-	81.0	50.6	-1.4	-3.6	D	.00
91	7	15	18	3.3	334.	99.9	-	4.8	335.	99.9	-	6.4	343.	99.9	-	80.9	50.1	-1.1	-3.4	D	.00
91	7	15	19	3.2	341.	99.9	-	6.2	356.	99.9	-	7.3	350.	99.9	-	80.0	51.0	-.7	-2.6	D	.00
91	7	15	20	1.2	62.	99.9	-	3.4	339.	99.9	-	8.9	359.	99.9	-	78.0	53.3	-.4	-8.8	E	.00
91	7	15	21	1.4	139.	99.9	-	.8	332.	99.9	-	3.4	32.	99.9	-	68.6	57.6	3.6	7.0	F	.00
91	7	15	22	1.3	135.	99.9	-	1.4	357.	99.9	-	1.4	282.	99.9	-	64.1	56.3	3.8	9.5	F	.00
91	7	15	23	1.1	136.	99.9	-	1.4	352.	99.9	-	.9	66.	99.9	-	61.0	999.9	3.9	10.4	G	.00
91	7	15	24	.8	153.	99.9	-	1.4	326.	99.9	-	2.9	271.	99.9	-	59.2	55.7	4.2	8.5	F	.00
91	7	16	1	1.3	137.	99.9	-	3.4	197.	99.9	-	3.5	338.	99.9	-	58.4	55.5	4.0	6.6	F	.00
91	7	16	2	1.7	132.	99.9	-	4.5	202.	99.9	-	1.8	343.	99.9	-	57.6	55.7	3.1	6.7	F	.00
91	7	16	3	1.0	120.	99.9	-	1.4	17.	99.9	-	2.4	71.	99.9	-	56.3	55.1	2.9	7.3	F	.00
91	7	16	4	.8	143.	99.9	-	1.2	24.	99.9	-	.9	43.	99.9	-	55.3	54.6	3.3	7.0	F	.00
91	7	16	5	.9	134.	99.9	-	2.3	21.	99.9	-	1.8	63.	99.9	-	54.8	54.1	3.1	6.7	F	.00
91	7	16	6	1.1	144.	99.9	-	.7	60.	99.9	-	2.3	286.	99.9	-	55.5	54.9	2.1	3.1	E	.00
91	7	16	7	1.4	166.	99.9	-	1.3	121.	99.9	-	1.2	324.	99.9	-	57.5	57.1	-.2	.9	E	.00
91	7	16	8	1.3	113.	99.9	-	1.2	69.	99.9	-	4.8	63.	99.9	-	58.8	58.4	-.4	3.8	E	.00
91	7	16	9	1.9	14.	99.9	-	3.1	37.	99.9	-	2.8	59.	99.9	-	65.0	58.9	-.6	.0	E	.00
91	7	16	10	2.3	343.	99.9	-	2.7	351.	99.9	-	2.1	34.	99.9	-	72.0	58.1	-1.0	-2.1	D	.00
91	7	16	11	2.6	301.	99.9	-	2.0	334.	99.9	-	2.7	71.	99.9	-	76.7	999.9	-.7	-1.5	D	.00
91	7	16	12	4.1	255.	99.9	-	4.8	256.	99.9	-	3.2	256.	99.9	-	80.0	54.7	-1.0	-3.1	D	.00
91	7	16	13	4.7	253.	99.9	-	5.4	258.	99.9	-	5.2	241.	99.9	-	82.1	50.1	-1.2	-3.4	D	.00
91	7	16	14	4.7	278.	99.9	-	6.6	272.	99.9	-	5.5	268.	99.9	-	83.4	50.8	-1.6	-3.5	D	.00
91	7	16	15	4.1	264.	99.9	-	5.2	268.	99.9	-	5.6	253.	99.9	-	84.2	49.0	-1.5	-3.4	D	.00
91	7	16	16	3.5	276.	99.9	-	4.3	274.	99.9	-	4.4	264.	99.9	-	85.3	47.3	-1.0	-3.2	D	.00
91	7	16	17	3.8	260.	99.9	-	4.3	263.	99.9	-	4.1	230.	99.9	-	86.1	49.6	-1.2	-3.0	D	.00
91	7	16	18	3.4	279.	99.9	-	3.8	277.	99.9	-	3.7	261.	99.9	-	85.9	50.7	-.9	-2.9	D	.00
91	7	16	19	2.0	260.	99.9	-	2.2	260.	99.9	-	3.3	252.	99.9	-	85.4	54.2	-.7	-2.6	D	.00
91	7	16	20	.8	136.	99.9	-	1.3	154.	99.9	-	2.3	316.	99.9	-	79.6	63.4	1.5	2.6	E	.00
91	7	16	21	1.5	133.	99.9	-	1.7	158.	99.9	-	1.4	258.	99.9	-	71.9	61.8	3.9	8.6	F	.00
91	7	16	22	1.1	139.	99.9	-	1.0	144.	99.9	-	4.1	300.	99.9	-	67.5	60.4	4.5	8.0	F	.00
91	7	16	23	1.2	120.	99.9	-	1.9	12.	99.9	-	3.1	84.	99.9	-	65.1	999.9	2.8	11.6	G	.00
91	7	16	24	1.2	164.	99.9	-	1.7	3.	99.9	-	4.2	124.	99.9	-	63.1	60.6	3.1	11.4	G	.00
91	7	17	1	1.1	116.	99.9	-	1.9	158.	99.9	-	1.6	302.	99.9	-	62.2	59.6	3.1	7.5	F	.00
91	7	17	2	1.8	148.	99.9	-	.9	140.	99.9	-	1.8	209.	99.9	-	61.2	59.4	2.4	6.1	F	.00
91	7	17	3	1.0	129.	99.9	-	1.8	89.	99.9	-	1.2	239.	99.9	-	59.9	58.9	3.0	9.8	F	.00
91	7	17	4	1.0	136.	99.9	-	3.0	23.	99.9	-	.7	258.	99.9	-	59.0	58.0	2.8	10.8	G	.00
91	7	17	5	1.1	145.	99.9	-	1.4	29.	99.9	-	3.6	233.	99.9	-	58.6	57.8	2.9	7.7	F	.00
91	7	17	6	1.5	141.	99.9	-	2.5	16.	99.9	-	3.1	250.	99.9	-	58.6	57.8	2.5	5.2	F	.00
91	7	17	13	5.9	248.	99.9	-	9.6	264.	99.9	-	12.4	257.	99.9	-	85.0	58.8	-1.5	-3.6	D	.00
91	7	17	14	6.4	248.	99.9	-	8.6	255.	99.9	-	10.5	249.	99.9	-	85.8	58.1	-1.3	-3.5	D	.00

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BRAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

YE	MO	DY	HR	-----35 FT-----			-----150 FT-----			-----500 FT-----			AMB.		DEW		DELTA T	DELTA T	RAINF		
				WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	TEMP	POINT	150-35	500-35				35F	35F
				SPRD	DIR	DEV	SPRD	DIR	DEV	SPRD	DIR	DEV	(DEG)	(DEG)	(DEG)	(F)	(F)	(F)	SC (F)	SC (F)	(IN)
91	7	17	15	6.6	254.	99.9	10.1	265.	99.9	12.5	257.	99.9	87.3	57.0	-1.4	3 D	.00				
91	7	17	16	6.9	249.	99.9	9.3	261.	99.9	12.5	257.	99.9	87.9	57.4	-1.4	3 D	.00				
91	7	17	17	6.5	247.	99.9	10.0	257.	99.9	12.2	254.	99.9	87.4	58.2	-1.2 A	-2.2 D	.00				
91	7	17	18	5.5	247.	99.9	7.4	256.	99.9	10.1	258.	99.9	87.4	59.0	-8.0 D	-2.2 D	.00				
91	7	17	19	3.9	248.	99.9	8.0	256.	99.9	10.0	258.	99.9	86.2	60.0	-4.0 D	-2.0 D	.00				
91	7	17	20	3.5	188.	99.9	7.7	219.	99.9	12.8	238.	99.9	82.7	64.8	1.5 F	1.6 E	.00				
91	7	17	21	2.1	183.	99.9	3.8	214.	99.9	9.9	239.	99.9	78.5	63.9	1.6 F	4.2 F	.00				
91	7	17	22	1.5	104.	99.9	4.0	196.	99.9	4.7	253.	99.9	74.1	63.4	3.1 G	4.6 F	.00				
91	7	17	23	1.0	99.	99.9	1.4	12.	99.9	8.8	229.	99.9	73.0	999.9	2.1 F	4.2 F	.00				
91	7	17	24	.8	133.	99.9	1.8	200.	99.9	5.3	244.	99.9	89.3	62.1	4.7 G	5.8 F	.00				
91	7	18	1	.6	164.	99.9	2.8	245.	99.9	9.3	236.	99.9	88.5	61.4	4.4 G	7.1 F	.00				
91	7	18	2	2.1	162.	99.9	4.6	209.	99.9	7.8	239.	99.9	87.6	61.5	4.2 G	7.1 F	.00				
91	7	18	3	1.0	139.	99.9	2.2	211.	99.9	4.4	242.	99.9	84.8	61.8	3.9 G	7.9 F	.00				
91	7	18	4	1.1	174.	99.9	2.9	228.	99.9	4.4	236.	99.9	83.9	61.7	3.4 G	7.6 F	.00				
91	7	19	10	2.0	193.	99.9	1.8	237.	99.9	4.1	243.	99.9	79.3	66.1	-7.0 D	-2.2 D	.00				
91	7	19	11	3.0	260.	99.9	4.0	271.	99.9	5.2	247.	99.9	84.6	999.9	-1.4 A	-3.1 D	.00				
91	7	19	12	4.7	269.	99.9	7.2	279.	99.9	8.8	264.	99.9	87.8	62.0	-1.6 A	-3.8 D	.00				
91	7	19	13	4.8	254.	99.9	6.1	265.	99.9	6.7	239.	99.9	89.0	62.1	-1.6 A	-3.9 C	.00				
91	7	19	14	6.0	252.	99.9	8.3	254.	99.9	9.6	240.	99.9	90.5	61.9	-1.6 A	-3.9 C	.00				
91	7	19	15	6.3	244.	99.9	8.1	252.	99.9	10.2	239.	99.9	90.8	61.3	-1.4 A	-3.7 D	.00				
91	7	19	16	5.4	241.	99.9	6.7	247.	99.9	8.3	236.	99.9	91.5	61.9	-1.4 A	-3.7 D	.00				
91	7	19	17	6.2	249.	99.9	7.9	256.	99.9	8.8	240.	99.9	91.3	62.8	-1.3 A	-3.4 D	.00				
91	7	19	18	4.7	260.	99.9	7.3	262.	99.9	8.8	244.	99.9	90.9	62.7	-7.0 D	-2.8 D	.00				
91	7	19	19	3.8	256.	99.9	5.3	256.	99.9	6.1	238.	99.9	90.4	63.9	-8.0 D	-2.8 D	.00				
91	7	19	20	2.5	188.	99.9	2.6	232.	99.9	7.6	245.	99.9	86.2	69.5	.3 E	.7 E	.00				
91	7	19	21	2.0	191.	99.9	3.0	247.	99.9	6.5	181.	99.9	80.9	69.9	2.8 G	3.1 E	.00				
91	7	19	22	2.2	154.	99.9	3.9	198.	99.9	9.2	213.	99.9	76.7	68.5	2.6 G	3.5 E	.00				
91	7	19	23	1.2	105.	99.9	1.9	35.	99.9	14.7	220.	99.9	76.7	999.9	2.1 F	4.2 F	.00				
91	7	19	24	2.4	197.	99.9	7.0	239.	99.9	16.6	221.	99.9	78.8	69.7	1.6 F	1.5 E	.00				
91	7	20	1	1.4	36.	99.9	4.7	255.	99.9	11.6	231.	99.9	77.8	70.6	1.3 F	.9 E	.00				
91	8	24	11	2.5	289.	99.9	1.6	323.	99.9	2.7	76.	99.9	74.2	63.6	-4.0 D	-9.0 E	.00				
91	8	24	12	4.2	351.	99.9	5.6	16.	99.9	5.2	44.	99.9	79.2	64.0	-1.1 B	-2.5 D	.00				
91	8	24	13	3.3	11.	99.9	4.6	19.	99.9	4.3	40.	99.9	82.8	62.1	-1.6 A	-3.6 D	.00				
91	8	24	14	2.7	332.	99.9	4.7	1.	99.9	5.0	355.	99.9	82.6	62.9	-9.0 D	-2.4 D	.00				
91	8	24	15	1.9	265.	99.9	2.3	13.	99.9	2.1	5.	99.9	83.4	61.9	-4.0 D	-1.8 D	.00				
91	8	24	16	1.4	250.	99.9	1.2	40.	99.9	2.4	72.	99.9	84.2	62.6	-2.0 E	-1.9 D	.00				
91	8	24	17	2.2	245.	99.9	5.5	349.	99.9	6.9	349.	99.9	84.5	63.4	-8.0 D	-2.4 D	.00				
91	8	24	18	3.1	340.	99.9	5.7	346.	99.9	7.9	352.	99.9	84.7	62.8	-9.0 D	-2.7 D	.00				
91	8	24	19	2.6	350.	99.9	6.7	12.	99.9	10.5	11.	99.9	82.7	64.1	.0 E	-1.2 E	.00				
91	8	24	20	.7	179.	99.9	1.5	11.	99.9	5.7	18.	99.9	78.2	63.9	2.0 F	1.3 E	.00				
91	8	24	21	.3	114.	99.9	2.2	6.	99.9	2.6	52.	99.9	72.9	65.0	4.0 G	.7 F	.00				
91	8	24	22	.9	143.	99.9	1.5	11.	99.9	12.5	46.	99.9	70.8	64.3	3.5 G	6.7 F	.00				
91	8	24	23	.7	142.	99.9	2.9	80.	99.9	11.9	66.	99.9	69.1	63.5	4.9 G	5.9 F	.00				
91	9	13	16	4.0	11.	99.9	7.8	20.	99.9	5.0	45.	99.9	80.5	64.9	-1.3 A	-2.3 D	.00				
91	9	13	17	2.7	19.	99.9	4.0	62.	99.9	5.7	29.	99.9	80.4	65.8	-4.0 D	-2.0 D	.00				
91	9	13	18	.7	169.	99.9	2.4	145.	99.9	5.7	111.	99.9	76.4	69.6	1.8 F	1.3 E	.00				
91	9	13	19	1.4	188.	99.9	1.9	121.	99.9	6.5	73.	99.9	73.9	72.2	2.0 F	3.2 E	.00				
91	9	13	20	1.2	118.	99.9	5.7	170.	99.9	9.7	151.	99.9	72.8	69.8	1.1 F	2.1 E	.00				

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BRAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

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

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB. TEM		DEW POINT		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 (F)	TEMP (F)	35F (F)	150-35 (F)	500-35 (F)	SC (F)	
91	9	13	21	1.4	206.	99.9 -	2.0	208.	99.9 -	3.2	201.	99.9 -	71.9	69.6	.8	0	.00		
91	9	13	22	1.4	181.	99.9 -	6.3	180.	99.9 -	10.2	192.	99.9 -	70.0	68.2	1.2	0	.00		
91	9	13	23	1.1	124.	99.9 -	2.6	157.	99.9 -	1.4	233.	99.9 -	68.1	67.1	2.5	0	.00		
91	9	13	24	2.3	143.	99.9 -	2.7	181.	99.9 -	7.0	252.	99.9 -	68.2	66.7	1.5	0	.00		
91	9	14	1	1.0	182.	99.9 -	2.7	226.	99.9 -	6.5	271.	99.9 -	68.4	67.1	1.7	0	.00		
91	9	14	2	1.1	189.	99.9 -	1.9	222.	99.9 -	7.7	268.	99.9 -	68.1	67.0	1.1	0	.00		
91	9	14	3	.8	146.	99.9 -	2.3	213.	99.9 -	7.4	283.	99.9 -	67.8	66.7	.9	0	.00		
91	9	14	4	1.3	174.	99.9 -	3.8	281.	99.9 -	9.4	279.	99.9 -	68.1	67.2	.3	0	.00		

TABLE 1
 BFAVER VALLEY METEOROLOGICAL DATA RECOVERY
 FOURTH QUARTER 1991

		<u>CONTINUOUS RELEASE</u>	<u>BATCH RELEASE</u>	<u>COMMENTS</u>
Joint Delta-T	150 ft - 35 ft	99.7%	100.00%	There were five hours of data loss due to moisture ingestion into the aspirators and power outages.
Joint Delta-T	500 ft - 35 ft	99.9%	100.0%	There were two hours of data loss due to power outages.

BEAVER VALLEY
JOINT FREQUENCY DISTRIBUTION TABLES
FOR
CONTINUOUS RELEASES

DELTA-T (150 FT - 35 FT) AND 35-FT WIND
AND
DELTA-T (500 FT - 35 FT) AND 500-FT WIND

FOURTH QUARTER 1991

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBNZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	0	1	3	3	2	0	1	1	0	1	0	3	0	2	1	2	20
3.51- 7.50	0	0	3	7	3	4	1	0	6	4	3	7	5	2	3	1	49
7.51-12.50	0	0	0	0	0	0	0	0	0	3	1	1	3	0	0	0	8
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	6	10	5	4	2	1	6	8	4	11	8	4	4	3	77

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	1	0	1	0	1	1	0	0	1	1	1	1	8
3.51- 7.50	2	1	1	0	0	0	0	0	1	3	5	7	2	4	2	1	29
7.51-12.50	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0	8
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	1	1	0	1	0	1	0	2	6	8	9	4	5	3	2	45

PROGRAM: JFD VERSION: PC-1.1
 BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91
 *** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	WW	WNW	TOTAL
CALM																	0
.76- 3.50	3	1	1	0	1	0	1	0	0	0	0	0	1	1	0	3	12
3.51- 7.50	2	0	0	0	1	1	0	1	1	4	5	8	7	1	4	0	33
7.51-12.50	0	0	0	0	0	0	0	0	0	2	2	6	7	0	0	0	11
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	1	1	0	2	1	1	1	1	6	7	14	7	2	4	3	56

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	WW	WNW	TOTAL
CALM																	5
.76- 3.50	15	26	22	12	7	6	5	5	7	12	12	19	15	26	27	15	213
3.51- 7.50	21	9	6	10	0	2	0	7	7	23	47	77	56	36	38	27	366
7.51-12.50	1	0	0	0	0	0	0	0	3	5	39	109	41	5	3	1	207
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	8	4	0	0	0	13
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	37	35	28	22	7	8	5	12	17	40	99	214	116	67	68	43	823

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	W	WNW	W	WNW	TOTAL
CALN	18	29	22	21	23	21	22	27	41	41	22	23	18	17	17	17	13	13	375
.76- 3.50	7	0	0	3	0	0	0	1	11	55	50	40	13	5	8	8	8	8	201
3.51- 7.50	0	0	0	0	0	0	0	0	0	7	23	13	5	0	0	0	0	0	48
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	29	22	24	23	21	22	28	52	103	96	77	36	22	25	21	21	21	633

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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	W	WNW	W	WNW	TOTAL
CALN	2	7	9	20	38	31	40	32	22	9	3	4	1	2	1	2	4	4	224
.76- 3.50	0	1	0	0	0	0	0	0	3	3	0	0	0	1	1	1	0	0	8
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	8	9	20	38	31	40	32	25	12	4	5	3	3	0	4	5	4	246

HALLIBURTON NUS CORPORATION AIR/RADIOLOGICAL PROGRAMS DEPARTMENT

PROGRAM: JFD VERSION: PC-1.1
 BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91
 *** 4TH QTR 1991 ***

STABILITY CLASS G
 BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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																	17
.76- 3.50	2	2	14	15	41	72	99	30	17	4	1	4	2	0	0	1	304
3.51- 7.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	14	15	41	72	99	30	18	4	1	4	2	0	0	1	322

STABILITY CLASS ALL
 BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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																	41
.76- 3.50	40	66	71	71	113	130	169	95	88	68	38	53	38	49	46	39	1174
3.51- 7.50	32	11	16	20	4	7	1	9	30	92	110	139	81	49	55	37	687
7.51-12.50	1	0	0	0	0	0	0	0	3	19	69	131	51	5	3	1	283
12.51-18.50	0	0	0	0	0	0	0	0	0	0	2	10	4	0	0	0	16
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	73	77	81	91	117	137	170	104	121	179	219	334	174	103	104	77	2202

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 2202

TOTAL NUMBER OF MISSING OBSERVATIONS: 6

PERCENT DATA RECOVERY FOR THIS PERIOD: 99.7 %

MEAN WIND SPEED FOR THIS PERIOD: 4.0 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
3.50	2.04	2.54	37.38	28.75	11.17	14.62

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	1	6	10	5	4	2	1	6	8	4	11	8	4	4	3	0
B	2	1	1	0	1	0	1	0	2	6	8	9	4	5	3	2	0
C	5	1	1	0	2	1	1	1	1	6	7	14	7	2	4	3	0
D	37	35	28	22	7	8	5	12	17	40	99	214	116	67	68	43	5
E	25	29	22	24	23	21	22	28	52	103	96	77	36	22	25	21	7
F	2	8	9	20	38	31	40	32	25	12	4	5	1	3	0	4	12
G	2	2	14	15	41	72	99	30	18	4	1	4	2	0	0	1	17
TOTAL	73	77	81	91	117	137	170	104	121	179	219	334	174	103	104	77	41

AIR/RADIOLOGICAL PROGRAMS DEPARTMENT

HALLIBURTON NUS CORPORATION

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	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 B

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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	1	0	0	0	1
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2

PROGRAM: JFD VERSION: PC-1.1
 BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91
 *** 4TH QTR 1991 ***

STABILITY CLASS C
 BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	6
12.51-18.50	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	4	1	2	1	1	0	0	0	0	0	0	0	0	9

STABILITY CLASS D
 BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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	3	5	4	1	2	1	3	2	7	6	6	3	2	2	6	53
.76- 3.50	19	11	14	9	16	8	5	10	8	11	20	20	13	12	23	24	223
3.51- 7.50	30	13	10	4	5	4	2	4	21	35	60	45	56	33	48	56	426
7.51-12.50	3	4	1	9	3	3	4	3	16	56	78	94	81	33	8	4	400
12.51-18.50	0	0	1	0	0	0	0	0	5	10	18	33	56	4	1	0	128
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	6	19	6	0	0	34
TOTAL	52	31	31	26	25	17	12	20	52	121	183	204	228	90	82	90	1265

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	7	4	4	8	5	5	4	2	6	4	12	5	5	7	1	7	86
3.51- 7.50	8	2	5	5	13	9	13	17	13	9	14	12	14	9	7	6	156
7.51-12.50	6	1	3	0	15	1	13	14	7	16	29	13	28	6	4	12	168
12.51-18.50	0	0	0	2	3	0	2	7	28	20	32	6	3	4	0	0	107
18.51-24.00	0	0	0	0	0	0	0	1	6	10	8	2	2	0	0	0	29
>24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL	21	7	12	15	36	15	32	41	60	59	95	39	52	26	12	25	550

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .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
.76- 3.50	2	4	3	4	4	4	2	6	4	6	2	1	2	1	3	2	50
3.51- 7.50	3	4	3	8	14	7	6	7	13	15	13	11	10	1	3	2	121
7.51-12.50	0	0	2	12	14	4	1	7	27	21	23	5	6	1	1	0	124
12.51-18.50	0	0	0	0	4	0	0	5	5	17	11	0	0	0	0	0	42
18.51-24.00	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	8	8	24	36	15	9	25	50	59	51	18	18	3	7	4	340

PROGRAM: JFD VERSION: PC-1.1
 BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91
 *** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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	1	0	3	0	1	1	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
3.51- 7.50	3	0	1	0	3	0	0	5	4	2	1	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	1	8	1	1	0	0	0	0	0	11
12.51-18.50	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	1	0	3	0	1	6	18	3	3	1	0	0	0	0	39

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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	9	11	12	16	10	11	8	11	15	17	21	13	11	10	6	15	196
.76- 3.50	33	17	23	22	46	24	24	39	38	37	48	44	37	22	33	32	519
3.51- 7.50	36	14	15	17	35	12	17	27	63	73	113	63	90	40	53	68	736
7.51-12.50	3	4	1	14	10	3	6	15	52	93	121	100	84	37	8	4	555
12.51-18.50	0	0	1	0	0	0	0	1	12	20	28	35	58	4	1	0	160
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	7	19	6	0	0	35
TOTAL	81	46	52	69	101	50	55	93	180	242	332	262	299	119	101	119	2205

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 2205

TOTAL NUMBER OF MISSING OBSERVATIONS: 3

PERCENT DATA RECOVERY FOR THIS PERIOD: 99.9 %

MEAN WIND SPEED FOR THIS PERIOD: 10.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
.00	.09	.41	57.37	24.94	15.42	1.77

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	1	0	0	0	0	0	0	1	0	0	0	0
C	0	0	0	4	1	2	1	1	0	0	0	0	0	0	0	0	0
D	52	31	31	26	25	17	12	20	52	121	183	204	228	90	82	90	1
E	21	7	12	15	36	15	32	41	60	59	95	39	52	26	12	25	3
F	5	8	8	24	36	15	9	25	50	59	51	18	18	3	7	4	0
G	3	0	1	0	3	0	1	6	18	3	3	1	0	0	0	0	0
TOTAL	81	46	52	69	101	50	55	93	180	242	332	262	299	119	101	119	4

BEAVER VALLEY
JOINT FREQUENCY DISTRIBUTION TABLES
FOR
BATCH RELEASES

DELTA-T (150 FT - 35 FT) AND 35-FT WIND
AND
DELTA-T (500 FT - 35 FT) AND 500-FT WIND

FOURTH QUARTER 1991

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	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	1	0	0	0	0	0	0	1

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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
.76- 3.50	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
3.51- 7.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	0	0	0	0	0	0	0	0	0	4	1	2	0	0	9

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY CLASS G
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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																	1
.76- 3.50	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	3
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	4

STABILITY CLASS ALL
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .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																	2
.76- 3.50	1	1	3	5	3	2	0	1	1	0	0	0	0	2	0	0	19
3.51- 7.50	1	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	5
7.51-12.50	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	3	5	3	2	0	1	3	1	0	4	1	2	0	0	31

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBYZ

DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 31

TOTAL NUMBER OF VALID OBSERVATIONS: 31

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PER: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 3.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

	A	B	C	D	E	F	G
	6.45	.00	3.23	29.03	12.90	35.48	12.90

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	WW	WNW	CALM
A	0	0	1	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0
D	1	1	0	0	0	0	0	0	0	0	0	4	1	2	0	0	0
E	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
F	0	0	1	4	2	2	0	0	1	0	0	0	0	0	0	0	1
G	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1
TOTAL	2	2	3	5	3	2	0	1	3	1	0	4	1	2	0	0	2

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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	ESE	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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	0	0	0	0	0	0	0	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: .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	ESE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	1
.76- 3.50	5	1	1	1	2	1	0	0	0	1	0	0	0	2	2	4	6
3.51- 7.50	1	0	4	1	3	0	0	0	3	7	2	0	0	1	5	2	20
7.51-12.50	0	0	0	6	3	2	1	0	1	3	5	0	2	1	1	0	25
12.51-18.50	0	0	1	0	0	0	0	0	0	3	4	2	2	0	0	0	12
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4
>24.00	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4
TOTAL	6	1	6	8	8	6	1	0	4	16	12	6	4	4	9	4	100

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .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	MNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
7.51-12.50	0	0	0	0	5	1	2	0	3	0	2	1	0	0	0	0	14
12.51-18.50	0	0	0	0	1	0	0	1	4	1	3	0	0	0	0	0	10
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	6	1	2	3	7	3	6	1	0	0	0	0	29

STABILITY CLASS F

BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .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	MNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	3	1	1	0	1	0	0	0	0	0	0	0	6
7.51-12.50	0	0	0	0	1	2	0	1	8	2	1	0	0	0	0	0	27
12.51-18.50	0	0	0	0	2	0	0	1	3	1	0	0	0	0	0	0	7
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	17	3	1	2	12	3	1	0	0	0	0	0	40

PROGRAM: JFD VERSI:W: PC-1.1
 BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91
 *** 4TH QTR 1991 ***

STABILITY CLASS G
 STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .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
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	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	2	0	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: .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	1	1	1	0	0	1	2	6
.76- 3.50	5	1	1	1	5	2	1	2	1	1	0	0	0	2	2	4	28
3.51- 7.50	1	0	4	2	20	8	2	1	14	9	5	1	0	1	5	2	75
7.51-12.50	0	0	0	6	6	2	1	2	10	5	8	0	2	1	1	0	44
12.51-18.50	0	0	1	0	0	0	0	0	0	5	5	2	2	0	0	0	15
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4
>24.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
TOTAL	6	1	6	9	31	12	4	5	25	22	19	7	4	4	9	8	173

PROGRAM: JSD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
 SITE IDENTIFIER: DLBV2
 DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET
 WIND MEASURED AT: 500.0 FEET
 WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 173
 TOTAL NUMBER OF VALID OBSERVATIONS: 173
 TOTAL NUMBER OF MISSING OBSERVATIONS: 0
 PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %
 MEAN WIND SPEED FOR THIS PERIOD: 11.6 MPH
 TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
.00	.58	.58	57.80	16.76	23.12	1.16

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	1	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
D	6	1	6	8	8	6	1	0	4	16	12	6	4	4	9	8	1
E	0	0	0	0	6	1	2	3	7	3	6	1	0	0	0	0	0
F	0	0	0	1	17	3	1	2	12	3	1	0	0	0	0	0	0
G	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
TOTAL	6	1	6	9	31	12	4	5	25	22	19	7	4	4	9	8	1

BEAVER VALLEY
LISTINGS OF METEOROLOGICAL DATA
FOR
PERIODS OF GROUND-LEVEL GASEOUS EFFLUENT RELEASES
FOURTH QUARTER 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 150-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

				-----35 FT-----				-----150 FT-----				-----500 FT-----										
YR	MO	DY	HR	WIND	WIND	STD		WIND	WIND	STD		WIND	WIND	STD	AMB.	DR:	DELTA T	DELTA T	RAIN			
				SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	TEMP	POINT	150-35	500-35	FALL		
				(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)	(F)	(F)	(F)	SC	SC	(IN)		
91	10	23	15	5.3	179.	99.9	-	9.8	181.	99.9	-	13.0	195.	99.9	-	78.3	49.3	-1.3	A	-3.5	D	.00
91	10	23	16	6.7	192.	99.9	-	11.7	189.	99.9	-	14.9	191.	99.9	-	78.4	49.1	-1.0	C	-3.0	D	.00
91	10	23	17	5.2	188.	99.9	-	10.2	184.	99.9	-	15.5	195.	99.9	-	77.4	48.5	-.2	E	-2.0	D	.00
91	10	23	18	1.9	172.	99.9	-	3.8	217.	99.9	-	8.2	213.	99.9	-	74.3	49.9	1.2	F	.2	E	.00
91	10	23	19	.9	157.	99.9	-	4.2	194.	99.9	-	7.1	230.	99.9	-	65.7	51.6	6.6	G	7.1	F	.00
91	10	23	20	1.0	89.	99.9	-	3.6	189.	99.9	-	6.9	205.	99.9	-	62.4	51.1	4.2	G	9.4	F	.00
91	10	23	21	.8	61.	99.9	-	2.2	67.	99.9	-	4.1	181.	99.9	-	61.1	51.9	2.9	G	8.4	F	.00
91	10	23	22	.8	111.	99.9	-	2.6	43.	99.9	-	5.1	171.	99.9	-	60.8	52.0	2.3	F	8.3	F	.00
91	10	23	23	.7	119.	99.9	-	2.3	61.	99.9	-	2.0	204.	99.9	-	59.8	52.5	2.7	G	6.7	F	.00
91	10	23	24	.7	114.	99.9	-	2.9	34.	99.9	-	8.9	178.	99.9	-	59.3	52.5	2.0	F	6.9	F	.00
91	10	24	1	1.1	83.	99.9	-	3.9	21.	99.9	-	6.3	172.	99.9	-	58.0	52.5	2.4	F	6.4	F	.00
91	10	24	2	1.2	77.	99.9	-	2.6	55.	99.9	-	4.5	200.	99.9	-	56.6	52.3	2.5	F	7.1	F	.00
91	10	24	3	.9	115.	99.9	-	1.8	32.	99.9	-	8.4	205.	99.9	-	56.1	51.5	1.9	F	6.6	F	.00
91	10	24	4	1.7	87.	99.9	-	2.5	40.	99.9	-	6.8	183.	99.9	-	55.6	53.7	1.9	F	4.4	F	.01
91	10	24	5	1.7	78.	99.9	-	4.4	57.	99.9	-	8.3	179.	99.9	-	55.9	55.1	1.4	F	3.7	E	.00
91	10	24	6	1.5	40.	99.9	-	4.6	45.	99.9	-	7.0	163.	99.9	-	56.3	55.5	1.3	F	2.0	E	.03
91	10	31	10	3.6	22.	99.9	-	4.8	48.	99.9	-	6.4	34.	99.9	-	52.1	29.9	-.6	D	-2.7	D	.00
91	10	31	11	3.2	42.	99.9	-	6.2	59.	99.9	-	6.4	72.	99.9	-	54.2	27.6	-1.3	A	-3.3	D	.00
91	10	31	12	3.0	358.	99.9	-	3.6	27.	99.9	-	3.9	49.	99.9	-	55.8	27.2	-.9	D	-2.8	D	.00
91	10	31	13	2.6	300.	99.9	-	2.3	311.	99.9	-	2.3	21.	99.9	-	58.6	27.5	-.9	D	-2.6	D	.00
91	10	31	14	3.2	294.	99.9	-	2.9	278.	99.9	-	2.6	229.	99.9	-	60.3	28.1	-.5	D	-2.2	D	.00
91	11	18	7	1.6	72.	99.9	-	4.7	57.	99.9	-	5.8	102.	99.9	-	31.8	26.0	1.8	F	4.0	F	.00
91	11	18	8	2.7	71.	99.9	-	5.4	41.	99.9	-	10.1	128.	99.9	-	34.6	23.3	1.6	F	2.6	E	.00
91	11	18	9	2.2	48.	99.9	-	5.9	47.	99.9	-	9.0	129.	99.9	-	38.7	25.6	-.1	E	.1	E	.00
91	11	18	10	3.5	15.	99.9	-	5.6	48.	99.9	-	7.4	135.	99.9	-	41.8	26.1	.4	E	1.3	E	.00
91	11	18	11	4.7	8.	99.9	-	4.9	37.	99.9	-	6.4	150.	99.9	-	46.6	25.7	.0	Z	.9	E	.00
91	11	24	20	8.5	277.	99.9	-	15.2	280.	99.9	-	20.7	289.	99.9	-	30.0	23.0	-.6	D	-2.7	D	.00
91	11	24	21	13.2	243.	99.9	-	18.1	258.	99.9	-	24.5	252.	99.9	-	29.5	18.9	-.5	D	-2.5	D	.00
91	11	24	22	10.0	248.	99.9	-	13.5	258.	99.9	-	17.2	253.	99.9	-	28.8	20.2	-.5	D	-2.5	D	.00
91	11	24	23	8.4	256.	99.9	-	12.4	268.	99.9	-	15.3	262.	99.9	-	28.0	21.0	-.5	D	-2.5	D	.00
91	11	24	24	10.8	255.	99.9	-	18.7	263.	99.9	-	20.5	256.	99.9	-	27.3	18.3	-.6	D	-2.6	D	.00

BEAVER VALLEY
LISTINGS OF METEOROLOGICAL DATA
FOR
PERIODS OF ELEVATED GASEOUS EFFLUENT RELEASES
FOURTH QUARTER 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

				-----35 FT-----				-----150 FT-----				-----500 FT-----								
YR	MO	DY	HR	WIND SPEED	WIND DIR	STD DEV	SC	WIND SPEED	WIND DIR	STD DEV	SC	WIND SPEED	WIND DIR	STD DEV	SC	AMB. TEMP	DEW POINT	DELTA T	DELTA T	RAIN
				(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(F)	(F)	(F)	(F)	(IN)
91	10	24	10	2.4	20.	99.9	-	4.7	51.	99.9	-	7.8	138.	99.9	-	60.5	56.4	.0	E	.00
91	10	24	11	2.2	17.	99.9	-	2.3	63.	99.9	-	5.7	182.	99.9	-	65.3	57.3	.0	E	.00
91	10	24	12	4.9	208.	99.9	-	7.7	185.	99.9	-	10.1	194.	99.9	-	72.2	57.9	-.7	D	.00
91	10	24	13	6.6	199.	99.9	-	10.5	195.	99.9	-	12.8	196.	99.9	-	74.4	57.3	-.8	D	.00
91	10	24	14	6.7	202.	99.9	-	10.1	198.	99.9	-	14.0	201.	99.9	-	76.5	57.0	-1.0	C	.00
91	10	24	15	6.2	204.	99.9	-	8.5	199.	99.9	-	11.5	205.	99.9	-	78.0	56.4	-.7	D	.00
91	10	24	16	3.3	222.	99.9	-	5.0	190.	99.9	-	7.6	189.	99.9	-	78.0	56.6	-.4	D	.00
91	10	24	17	5.3	198.	99.9	-	9.2	182.	99.9	-	12.4	183.	99.9	-	78.8	55.9	-.5	D	.00
91	10	24	18	1.7	140.	99.9	-	6.1	163.	99.9	-	11.1	179.	99.9	-	78.0	56.1	.5	E	.00
91	10	24	19	1.1	121.	99.9	-	4.6	137.	99.9	-	10.2	165.	99.9	-	70.0	58.0	4.8	G	.00
91	10	24	20	.7	77.	99.9	-	3.3	151.	99.9	-	14.3	173.	99.9	-	67.3	58.1	5.9	G	.00
91	10	29	2	2.7	112.	99.9	-	8.1	83.	99.9	-	10.0	83.	99.9	-	42.5	31.1	3.7	G	.00
91	10	29	3	2.3	112.	99.9	-	9.5	71.	99.9	-	15.9	85.	99.9	-	42.0	32.0	3.0	G	.00
91	10	29	4	1.9	52.	99.9	-	4.6	65.	99.9	-	9.8	93.	99.9	-	42.6	31.9	1.5	F	.00
91	10	29	5	2.5	119.	99.9	-	6.2	72.	99.9	-	10.5	86.	99.9	-	39.6	31.8	3.5	G	.00
91	10	29	6	1.9	95.	99.9	-	6.2	83.	99.9	-	10.1	89.	99.9	-	37.5	31.6	5.1	G	.00
91	10	29	7	2.2	118.	99.9	-	5.5	85.	99.9	-	6.0	81.	99.9	-	38.4	31.4	5.2	G	.00
91	10	29	8	1.7	90.	99.9	-	5.8	62.	99.9	-	8.7	85.	99.9	-	40.2	32.8	2.0	F	.00
91	10	29	9	4.3	87.	99.9	-	6.2	84.	99.9	-	11.3	97.	99.9	-	47.0	32.0	-.8	D	.00
91	10	29	10	4.7	68.	99.9	-	8.7	80.	99.9	-	8.6	101.	99.9	-	52.6	30.8	-1.5	A	.00
91	10	29	11	2.3	77.	99.9	-	3.4	83.	99.9	-	4.1	97.	99.9	-	58.5	27.6	-1.2	A	.00
91	10	29	13	4.9	107.	99.9	-	8.7	115.	99.9	-	11.0	118.	99.9	-	65.8	22.8	-2.0	A	.00
91	10	29	14	4.4	114.	99.9	-	9.2	117.	99.9	-	10.8	119.	99.9	-	68.0	22.3	-1.9	A	.00
91	10	29	15	3.8	83.	99.9	-	6.6	124.	99.9	-	8.3	123.	99.9	-	68.2	23.3	-1.0	C	.00
91	10	29	16	3.8	116.	99.9	-	7.5	110.	99.9	-	11.7	117.	99.9	-	67.7	23.2	-.7	D	.00
91	10	29	17	2.5	84.	99.9	-	6.1	94.	99.9	-	11.7	103.	99.9	-	65.0	25.6	.3	E	.00
91	10	29	18	1.4	102.	99.9	-	7.8	76.	99.9	-	12.9	97.	99.9	-	57.8	26.4	4.5	G	.00
91	10	29	19	1.7	79.	99.9	-	6.5	83.	99.9	-	12.4	103.	99.9	-	54.2	26.4	6.0	G	.00
91	10	29	20	1.8	78.	99.9	-	7.3	71.	99.9	-	12.8	101.	99.9	-	51.4	26.8	6.3	G	.00
91	10	29	21	2.1	57.	99.9	-	7.9	59.	99.9	-	11.4	101.	99.9	-	50.5	28.7	4.8	G	.00
91	10	29	22	2.0	52.	99.9	-	6.8	54.	99.9	-	11.0	98.	99.9	-	46.9	28.5	5.4	G	.00
91	10	29	23	2.0	102.	99.9	-	5.1	65.	99.9	-	7.8	81.	99.9	-	44.5	25.6	3.5	G	.00
91	10	29	24	1.3	129.	99.9	-	4.1	79.	99.9	-	9.0	75.	99.9	-	38.9	26.0	7.0	G	.00
91	10	30	1	2.1	89.	99.9	-	5.8	60.	99.9	-	9.4	87.	99.9	-	39.1	25.9	5.9	G	.00
91	11	14	18	1.0	99.	99.9	-	2.2	128.	99.9	-	8.5	172.	99.9	-	49.9	48.0	-.4	D	.01
91	11	14	19	1.2	62.	99.9	-	4.4	45.	99.9	-	6.8	159.	99.9	-	48.8	48.0	-.1	E	.01
91	11	14	20	1.4	218.	99.9	-	3.1	30.	99.9	-	7.9	174.	99.9	-	48.1	47.6	.2	E	.00
91	11	14	21	1.2	75.	99.9	-	3.6	19.	99.9	-	7.7	179.	99.9	-	47.9	46.9	1.7	F	.00
91	11	14	22	.8	100.	99.9	-	2.3	64.	99.9	-	5.3	183.	99.9	-	47.4	46.5	5.0	G	.00
91	11	14	23	.9	114.	99.9	-	2.4	66.	99.9	-	10.0	203.	99.9	-	47.3	45.7	4.8	G	.00
91	11	14	24	1.6	238.	99.9	-	7.6	201.	99.9	-	17.5	197.	99.9	-	48.3	44.3	4.9	G	.00
91	11	15	1	2.0	254.	99.9	-	6.2	203.	99.9	-	12.5	206.	99.9	-	49.6	43.5	3.9	G	.00
91	11	15	2	.8	255.	99.9	-	4.7	218.	99.9	-	11.4	219.	99.9	-	47.9	45.1	5.4	G	.00
91	11	15	3	1.2	78.	99.9	-	4.7	179.	99.9	-	12.2	191.	99.9	-	48.7	42.3	4.8	G	.00
91	11	15	4	1.4	185.	99.9	-	4.4	218.	99.9	-	9.1	232.	99.9	-	49.6	41.3	3.3	G	.00
91	11	15	5	1.9	267.	99.9	-	6.5	229.	99.9	-	17.1	220.	99.9	-	49.5	41.1	3.1	G	.00
91	11	15	6	2.1	186.	99.9	-	4.3	220.	99.9	-	9.4	214.	99.9	-	52.4	36.7	1.2	F	.00
91	11	17	16	3.2	111.	99.9	-	5.7	119.	99.9	-	8.6	103.	99.9	-	49.1	14.2	-.7	D	.00

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

-----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	FALL			
				(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(F)	(F)	(F)	SC	(IN)
91	11	17	17	1.2	100.	99.9	-	9.0	92.	99.9	-	9.0	95.	99.9	-	45.4	18.4	1.4 F	.1 E	.00
91	11	17	18	2.6	128.	99.9	-	4.1	82.	99.9	-	8.6	98.	99.9	-	38.8	20.9	6.2 G	5.8 F	.00
91	11	17	19	.9	147.	99.9	-	2.0	19.	99.9	-	7.2	88.	99.9	-	35.2	22.9	5.2 G	8.3 F	.00
91	11	17	20	1.9	134.	99.9	-	4.0	31.	99.9	-	8.0	90.	99.9	-	32.5	23.4	5.4 G	10.0 F	.00
91	11	17	21	1.2	123.	99.9	-	2.7	33.	99.9	-	6.0	99.	99.9	-	31.5	24.2	3.3 G	9.6 F	.00
91	11	17	22	1.5	111.	99.9	-	4.2	50.	99.9	-	9.5	98.	99.9	-	30.2	23.1	4.9 G	9.9 F	.00
91	11	17	23	2.0	108.	99.9	-	4.0	39.	99.9	-	9.8	89.	99.9	-	29.5	23.3	5.1 G	9.0 F	.00
91	11	17	24	1.3	120.	99.9	-	3.4	44.	99.9	-	5.9	97.	99.9	-	28.7	22.7	4.3 G	9.1 F	.00
91	11	18	1	2.0	88.	99.9	-	5.8	54.	99.9	-	6.6	90.	99.9	-	29.3	24.1	4.2 G	7.9 F	.00
91	11	18	2	2.5	96.	99.9	-	5.2	46.	99.9	-	7.7	99.	99.9	-	29.4	25.1	3.3 G	6.7 F	.00
91	11	18	3	2.1	122.	99.9	-	3.8	21.	99.9	-	6.2	114.	99.9	-	29.1	24.9	4.2 G	6.9 F	.00
91	11	18	4	1.6	107.	99.9	-	4.1	43.	99.9	-	7.1	124.	99.9	-	28.4	22.8	4.5 G	7.8 F	.00
91	11	18	5	1.5	108.	99.9	-	3.4	48.	99.9	-	8.4	117.	99.9	-	28.3	20.8	3.5 G	8.1 F	.00
91	11	28	9	4.6	234.	99.9	-	6.0	235.	99.9	-	9.9	217.	99.9	-	42.8	40.1	-.3 E	-2.1 D	.01
91	11	28	10	1.8	188.	99.9	-	4.4	188.	99.9	-	7.7	194.	99.9	-	42.2	40.7	-.1 E	-1.8 D	.02
91	11	28	11	3.2	194.	99.9	-	5.6	195.	99.9	-	11.8	188.	99.9	-	43.5	40.9	-.2 E	-1.8 D	.00
91	11	28	12	5.6	207.	99.9	-	7.3	210.	99.9	-	11.2	205.	99.9	-	43.9	40.0	-.4 D	-.1 D	.00
91	11	28	13	4.6	216.	99.9	-	6.0	219.	99.9	-	10.4	215.	99.9	-	44.8	40.2	-.4 D	-2.0 D	.00
91	11	28	14	3.4	231.	99.9	-	4.5	224.	99.9	-	7.0	212.	99.9	-	45.9	40.2	-.5 D	-2.2 D	.00
91	11	28	15	3.1	209.	99.9	-	5.2	213.	99.9	-	7.7	203.	99.9	-	45.9	40.0	-.3 E	-2.0 D	.00
91	11	28	16	2.9	192.	99.9	-	5.4	198.	99.9	-	10.5	193.	99.9	-	46.1	39.6	-.2 E	-1.8 D	.00
91	11	28	17	2.3	192.	99.9	-	4.3	197.	99.9	-	13.0	188.	99.9	-	45.9	39.8	-.2 E	-1.5 D	.00
91	11	28	18	2.4	203.	99.9	-	5.0	202.	99.9	-	7.6	206.	99.9	-	46.0	39.6	-.2 E	-1.9 D	.00
91	11	29	3	4.5	247.	99.9	-	7.5	247.	99.9	-	15.9	224.	99.9	-	56.5	36.5	.1 E	-.9 E	.00
91	11	29	4	3.7	200.	99.9	-	6.9	232.	99.9	-	11.9	237.	99.9	-	56.2	37.1	.9 E	.1 E	.00
91	11	29	5	9.3	231.	99.9	-	11.7	237.	99.9	-	19.2	233.	99.9	-	58.2	35.4	-.2 E	-1.5 D	.00
91	11	29	6	8.4	231.	99.9	-	11.4	237.	99.9	-	18.8	233.	99.9	-	57.7	35.7	-.1 E	-1.5 D	.00
91	11	29	7	5.5	238.	99.9	-	7.4	248.	99.9	-	13.6	233.	99.9	-	56.9	35.5	-.1 E	-1.4 D	.00
91	11	29	8	3.0	210.	99.9	-	5.7	238.	99.9	-	13.9	227.	99.9	-	55.7	35.8	.6 E	-.3 E	.00
91	11	29	9	4.8	238.	99.9	-	7.0	237.	99.9	-	14.1	226.	99.9	-	57.2	36.3	-.2 E	-1.6 D	.01
91	11	29	10	8.3	238.	99.9	-	10.1	233.	99.9	-	15.1	223.	99.9	-	59.5	38.5	-.5 D	-2.2 D	.00
91	11	29	17	1.6	114.	99.9	-	4.8	167.	99.9	-	11.1	183.	99.9	-	58.5	44.3	5.5 G	4.6 F	.00
91	11	29	18	1.1	144.	99.9	-	2.8	191.	99.9	-	11.8	180.	99.9	-	52.9	44.1	7.3 G	9.1 F	.00
91	11	29	19	1.0	117.	99.9	-	2.8	36.	99.9	-	14.7	175.	99.9	-	50.1	43.3	6.9 G	11.2 G	.00
91	11	29	20	1.3	207.	99.9	-	5.7	204.	99.9	-	16.8	188.	99.9	-	51.5	43.1	7.4 G	8.7 F	.00
91	11	29	21	2.3	331.	99.9	-	5.9	207.	99.9	-	16.1	182.	99.9	-	53.0	42.8	6.6 G	7.9 F	.00
91	11	29	22	.8	204.	99.9	-	2.8	234.	99.9	-	11.2	179.	99.9	-	49.8	43.2	8.1 G	9.4 F	.00
91	11	29	23	1.0	22.	99.9	-	6.8	195.	99.9	-	13.8	187.	99.9	-	49.1	42.4	8.2 G	10.6 G	.00
91	11	29	24	1.4	99.	99.9	-	2.8	4.	99.9	-	11.1	171.	99.9	-	49.1	42.4	8.2 G	9.9 F	.00
91	11	30	1	2.0	54.	99.9	-	3.1	117.	99.9	-	13.6	166.	99.9	-	49.1	42.3	8.1 G	9.7 F	.00
91	11	30	2	1.1	43.	99.9	-	2.2	98.	99.9	-	12.3	171.	99.9	-	48.9	42.1	8.2 G	8.7 F	.00
91	11	30	3	2.7	336.	99.9	-	5.1	192.	99.9	-	17.0	174.	99.9	-	57.4	41.0	1.9 F	1.4 E	.00
91	11	30	4	2.3	220.	99.9	-	4.9	177.	99.9	-	15.2	170.	99.9	-	60.0	42.3	.3 E	-.5 E	.00
91	11	30	5	2.2	31.	99.9	-	3.8	158.	99.9	-	11.1	169.	99.9	-	58.9	43.1	1.4 F	.3 E	.00
91	11	30	6	2.8	347.	99.9	-	2.7	125.	99.9	-	13.4	173.	99.9	-	59.1	43.5	.7 E	.1 E	.00
91	11	30	7	10.0	210.	99.9	-	13.8	238.	99.9	-	22.8	203.	99.9	-	66.0	46.7	.1 E	-.9 E	.00
91	11	30	8	5.6	210.	99.9	-	9.3	222.	99.9	-	16.8	206.	99.9	-	61.9	52.3	.0 E	-.7 E	.03
91	11	30	9	4.9	205.	99.9	-	7.3	217.	99.9	-	16.0	204.	99.9	-	61.8	53.2	.2 E	-.5 E	.01

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

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

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB. TEMP 35F (F)	Dew POINT 35F (F)	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL (IN)
				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					
91	11	30	10	9.7	214.	99.9 - 13.2	213.	99.9 - 20.5	208.	99.9 - 68.2	52.2	.0 E	-1.3 D	.00			
91	11	30	11	10.6	232.	99.9 - 13.7	229.	99.9 - 20.6	213.	99.9 - 68.2	53.1	-.2 E	-1.7 D	.00			
91	11	30	12	8.0	229.	99.9 - 10.6	231.	99.9 - 16.7	213.	99.9 - 65.5	56.1	-.2 E	-1.4 D	.02			
91	11	30	13	11.7	224.	99.9 - 16.0	229.	99.9 - 21.3	217.	99.9 - 68.3	55.3	-.3 E	-1.9 D	.00			
91	11	30	14	13.7	224.	99.9 - 16.8	224.	99.9 - 24.3	209.	99.9 - 67.0	56.8	-.4 D	-2.0 D	.00			
91	11	30	15	9.1	225.	99.9 - 11.9	225.	99.9 - 19.0	213.	99.9 - 66.7	57.1	-.3 E	-1.8 D	.00			
91	11	30	16	8.3	227.	99.9 - 10.4	227.	99.9 - 15.3	215.	99.9 - 67.0	57.2	-.3 E	-1.7 D	.00			
91	11	30	17	6.9	229.	99.9 - 8.8	231.	99.9 - 15.2	219.	99.9 - 67.0	57.3	-.1 E	-1.5 D	.00			
91	11	30	18	9.5	232.	99.9 - 13.1	242.	99.9 - 19.9	229.	99.9 - 67.4	57.4	-.2 E	-1.7 D	.00			
91	11	30	19	5.9	287.	99.9 - 12.1	289.	99.9 - 17.4	275.	99.9 - 65.7	56.0	.0 E	-1.4 D	.00			
91	11	30	20	5.5	298.	99.9 - 11.3	299.	99.9 - 16.1	299.	99.9 - 62.4	44.6	-.1 E	-1.8 D	.00			
91	11	30	21	4.4	317.	99.9 - 6.3	308.	99.9 - 9.8	308.	99.9 - 55.6	44.6	-.4 D	-2.3 D	.00			
91	11	30	22	6.0	332.	99.9 - 8.6	319.	99.9 - 13.9	312.	99.9 - 51.7	40.7	-.6 D	-2.5 D	.00			
91	11	30	23	4.2	322.	99.9 - 7.4	310.	99.9 - 11.9	294.	99.9 - 48.9	38.7	-.4 D	-2.1 D	.00			
91	11	30	24	4.0	359.	99.9 - 6.0	1.	99.9 - 6.2	333.	99.9 - 47.1	37.2	-.6 D	-2.4 D	.00			
91	12	1	1	5.0	319.	99.9 - 7.6	315.	99.9 - 10.2	321.	99.9 - 44.6	36.0	-.5 D	-2.5 D	.00			
91	12	1	2	3.0	286.	99.9 - 4.8	297.	99.9 - 5.9	315.	99.9 - 43.4	34.8	-.5 D	-2.4 D	.00			
91	12	1	3	3.9	323.	99.9 - 5.8	319.	99.9 - 8.0	328.	99.9 - 42.5	34.7	-.5 D	-2.4 D	.00			
91	12	1	4	1.7	20.	99.9 - 2.5	14.	99.9 - 4.7	347.	99.9 - 41.9	33.9	-.5 D	-2.4 D	.00			
91	12	1	5	2.8	356.	99.9 - 4.2	357.	99.9 - 5.6	347.	99.9 - 41.6	33.3	-.5 D	-2.4 D	.00			
91	12	1	6	1.4	354.	99.9 - 1.7	273.	99.9 - .9	202.	99.9 - 41.3	33.0	-.5 D	-2.3 D	.00			
91	12	1	7	2.7	21.	99.9 - 4.8	8.	99.9 - 6.7	351.	99.9 - 40.8	32.9	-.5 D	-2.1 D	.00			
91	12	1	8	2.6	351.	99.9 - 3.9	347.	99.9 - 5.1	2.	99.9 - 40.7	33.0	-.5 D	-2.3 D	.00			
91	12	1	9	1.9	38	99.9 - 4.0	30.	99.9 - 6.5	24.	99.9 - 41.2	33.2	-.6 D	-2.5 D	.00			
91	12	1	10	2.9	24.	99.9 - 5.1	24.	99.9 - 5.9	2.	99.9 - 41.8	33.0	-.7 D	-2.6 D	.00			
91	12	1	11	3.1	85.	99.9 - 4.2	94.	99.9 - 6.1	88.	99.9 - 43.1	32.8	-.9 D	-2.9 D	.00			
91	12	1	12	1.9	27.	99.9 - 2.9	78.	99.9 - 4.2	70.	99.9 - 43.3	33.5	-.8 D	-2.7 D	.00			
91	12	1	13	1.8	353.	99.9 - 2.8	4.	99.9 - 2.5	345.	99.9 - 43.3	33.5	-.6 D	-2.5 D	.00			
91	12	1	14	3.2	101.	99.9 - 6.6	116.	99.9 - 6.2	115.	99.9 - 44.2	33.9	-1.0 C	-3.0 D	.00			
91	12	1	15	3.0	5.	99.9 - 4.7	16.	99.9 - 4.8	6.	99.9 - 43.9	34.5	-.7 D	-2.5 D	.00			
91	12	1	16	1.1	223.	99.9 - 1.3	254.	99.9 - 2.7	342.	99.9 - 41.3	38.7	-.5 D	-2.1 D	.01			
91	12	1	17	2.4	331.	99.9 - 4.4	321.	99.9 - 6.9	334.	99.9 - 40.7	39.1	-.5 D	-2.2 D	.01			
91	12	1	18	1.3	139.	99.9 - 1.3	141.	99.9 - 2.4	321.	99.9 - 40.1	39.5	-.4 D	-2.0 D	.03			
91	12	1	19	.8	135.	99.9 - 1.4	175.	99.9 - .8	310.	99.9 - 40.4	39.6	-.2 E	-1.9 D	.00			
91	12	1	20	2.3	324.	99.9 - 5.3	308.	99.9 - 7.4	309.	99.9 - 40.8	39.5	-.3 E	-1.9 D	.00			
91	12	1	21	1.6	295.	99.9 - 4.7	308.	99.9 - 5.6	285.	99.9 - 41.0	39.1	-.4 D	-1.9 D	.00			
91	12	1	22	2.6	313.	99.9 - 4.5	300.	99.9 - 8.7	304.	99.9 - 41.1	38.9	-.4 D	-1.5 D	.00			
91	12	1	23	1.1	155.	99.9 - 2.4	185.	99.9 - 2.5	250.	99.9 - 41.1	39.0	-.3 E	-2.0 D	.00			
91	12	1	24	.9	160.	99.9 - 1.2	208.	99.9 - 1.4	219.	99.9 - 41.2	39.0	-.1 E	-1.9 D	.00			
91	12	2	1	2.0	309.	99.9 - 4.7	308.	99.9 - 8.7	308.	99.9 - 41.4	38.5	-.4 D	-2.0 D	.00			
91	12	2	2	3.0	310.	99.9 - 4.1	301.	99.9 - 5.5	298.	99.9 - 41.4	37.4	-.4 D	-2.2 D	.00			
91	12	2	3	3.5	330.	99.9 - 5.5	336.	99.9 - 7.9	324.	99.9 - 40.8	36.5	-.4 D	-2.2 D	.00			
91	12	2	4	3.1	329.	99.9 - 4.2	334.	99.9 - 7.7	336.	99.9 - 40.0	34.7	-.4 D	-2.2 D	.00			
91	12	2	5	1.9	339.	99.9 - 3.1	360.	99.9 - 6.1	358.	99.9 - 39.6	33.6	-.4 D	-2.3 D	.00			
91	12	2	6	3.4	19.	99.9 - 5.9	18.	99.9 - 8.8	1.	99.9 - 39.1	32.6	-.4 D	-2.2 D	.00			
91	12	2	7	2.7	22.	99.9 - 4.1	60.	99.9 - 7.7	47.	99.9 - 36.8	33.1	-.5 D	-2.2 D	.00			
91	12	2	8	2.1	42.	99.9 - 4.5	64.	99.9 - 7.2	51.	99.9 - 38.8	32.5	-.5 D	-2.3 D	.00			
91	12	2	9	3.4	59.	99.9 - 9.8	65.	99.9 - 11.7	46.	99.9 - 39.1	30.1	-.8 D	-2.4 D	.00			

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

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

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB.		DEW		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)	TEMP 35F (F)	SC	SC	SC	150-35 (F)	500-35 (F)
91	12	2	10	4.7	68.	99.9 -	9.6	70.	99.9 -	11.3	58.	99.9 -	39.3	29.3			-.6 D	-2.5 D	.00
91	12	2	11	4.7	75.	99.9 -	10.4	73.	99.9 -	13.8	59.	99.9 -	39.6	28.4			-.7 D	-2.7 D	.00
91	12	2	12	3.4	37.	99.9 -	9.1	57.	99.9 -	11.5	39.	99.9 -	40.2	29.2			-.7 D	-2.6 D	.00
91	12	2	13	3.7	55.	99.9 -	9.2	63.	99.9 -	11.9	50.	99.9 -	40.4	28.9			-.7 D	-2.7 D	.00
91	12	2	14	4.0	73.	99.9 -	9.7	72.	99.9 -	13.3	59.	99.9 -	40.5	28.3			-.6 D	-2.5 D	.00
91	12	2	15	4.8	70.	99.9 -	12.5	71.	99.9 -	16.7	57.	99.9 -	40.5	28.3			-.5 D	-2.3 D	.00
91	12	2	16	5.9	61.	99.9 -	15.0	61.	99.9 -	20.1	45.	99.9 -	40.9	29.0			-.4 D	-2.2 D	.00
91	12	2	17	5.1	60.	99.9 -	12.2	63.	99.9 -	14.8	59.	99.9 -	39.7	30.9			-.1 E	-2.0 D	.01
91	12	2	18	5.6	59.	99.9 -	14.1	63.	99.9 -	16.7	60.	99.9 -	38.2	34.4			-.1 E	-1.9 D	.06
91	12	2	19	6.0	56.	99.9 -	14.0	63.	99.9 -	17.8	69.	99.9 -	38.2	35.9	999.9 -		-1.9 D		.13
91	12	2	20	4.8	62.	99.9 -	11.2	76.	99.9 -	17.9	80.	99.9 -	38.7	36.9	999.9 -		-1.8 D		.12
91	12	2	21	3.6	58.	99.9 -	9.2	73.	99.9 -	15.6	85.	99.9 -	39.4	36.1			-.9 D	-1.8 D	.24
91	12	2	22	4.3	58.	99.9 -	9.3	82.	99.9 -	15.3	92.	99.9 -	40.4	39.0			-.9 D	-1.8 D	.24
91	12	2	23	4.9	40.	99.9 -	10.7	74.	99.9 -	14.8	102.	99.9 -	42.0	40.4			-.9 D	-1.7 D	.13
91	12	2	24	4.5	40.	99.9 -	8.4	68.	99.9 -	10.0	101.	99.9 -	43.5	42.2			-.9 D	-1.7 D	.11
91	12	3	1	5.6	47.	99.9 -	9.8	86.	99.9 -	14.9	115.	99.9 -	45.2	43.9			-.9 D	-1.6 D	.07
91	12	3	2	3.6	36.	99.9 -	5.1	117.	99.9 -	15.7	130.	99.9 -	46.8	45.2			-1.1 E	-1.9 D	.11
91	12	3	3	2.5	15.	99.9 -	4.3	61.	99.9 -	10.3	135.	99.9 -	46.8	46.0			-.6 D	-.9 E	.26
91	12	3	4	4.1	34.	99.9 -	5.2	113.	99.9 -	15.5	148.	99.9 -	49.6	48.5			-.9 D	-1.0 E	.15
91	12	3	5	3.3	355.	99.9 -	3.8	200.	99.9 -	16.4	173.	99.9 -	52.6	51.2			-.1 E	.0 E	.00
91	12	3	6	12.4	243.	99.9 -	16.7	253.	99.9 -	21.3	235.	99.9 -	60.7	51.2	999.9 -		-.9 E		.00
91	12	3	7	13.0	245.	99.9 -	19.4	258.	99.9 -	24.8	245.	99.9 -	56.3	47.7			-.1 E	-1.4 D	.00
91	12	3	8	9.7	260.	99.9 -	18.9	269.	99.9 -	24.9	256.	99.9 -	50.7	43.0			-.4 D	-1.8 D	.00
91	12	3	9	12.0	247.	99.9 -	17.5	257.	99.9 -	23.5	249.	99.9 -	47.7	39.9			-.4 D	-1.7 D	.00
91	12	3	10	13.0	248.	99.9 -	20.8	262.	99.9 -	27.4	252.	99.9 -	45.3	38.6			-.5 D	-1.9 D	.00
91	12	3	11	8.6	277.	99.9 -	15.3	279.	99.9 -	21.6	271.	99.9 -	43.4	37.6			-.6 D	-2.6 D	.00
91	12	3	12	8.6	282.	99.9 -	14.1	272.	99.9 -	18.7	258.	99.9 -	41.0	36.9			-.6 D	-2.4 D	.00
91	12	3	13	8.1	264.	99.9 -	14.4	269.	99.9 -	20.9	260.	99.9 -	41.0	34.9			-.5 D	-2.2 D	.00
91	12	3	14	6.9	290.	99.9 -	13.1	287.	99.9 -	16.8	274.	99.9 -	39.8	35.2			-.7 D	-2.6 D	.00