Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	17.8	18.1	18.2	18.4	.29	.39	.58	.10	.30
01:00	17.5	17.9	18.0	18.2	.39	.48	.66	.08	.26
02:00	17.4	17.9	17.9	18.0	.45	.45	.57	.00	.12
03:00	17.3	17.7	17.7	17.8	.42	.41	.51	-.01	.09
04:00	17.4	17.8	17.8	17.9	.39	.43	.53	.04	.15
05:00	17.5	17.7	17.6	17.7	.24	.18	.23	-.07	-.01
06:00	17.3	17.6	17.5	17.6	.28	.22	.25	-.06	-.03
07:00	17.3	17.4	17.3	17.4	.16	.07	.10	-.09	-.06
08:00	17.3	17.3	17.2	17.2	.02	-.09	-.07	-.11	-.09
09:00	17.3	17.2	17.1	17.1	-.04	-.19	-.20	-.15	-.15
10:00	17.4	17.3	17.1	17.1	-.09	-.24	-.25	-.16	-.17
11:00	18.3	18.0	17.7	17.7	-.27	-.52	-.58	-.25	-.31
12:00	19.2	19.2	19.1	19.1	-.06	-.17	-.13	-.10	-.07
13:00	19.2	19.3	19.3	19.3	.10	.07	.12	-.03	.02
14:00	20.2	20.0	19.8	19.8	-.18	-.37	-.39	-.20	-.21
15:00	21.3	21.0	20.8	20.8	-.32	-.55	-.53	-.23	-.21
16:00	21.9	21.7	21.5	21.4	-.23	-.42	-.50	-.19	-.27
17:00	21.7	21.6	21.4	21.4	-.06	-.26	-.31	-.20	-.25
18:00	21.5	21.5	21.3	21.3	-.02	-.21	-.26	-.19	-.23
19:00	20.9	21.1	21.0	21.0	.17	.10	.14	-.07	-.03
20:00	17.9	18.5	18.6	18.7	.66	.72	.83	.05	.17
21:00	15.0	15.0	15.1	15.3	-.04	.05	.29	.09	.33
22:00	14.6	15.1	15.2	15.4	.44	.56	.78	.12	.34
23:00	14.3	15.0	15.2	15.4	.72	.88	1.13	.16	.41
Avg	18.2	18.4	18.3	18.4	.14	.08	.15	-.06	.00
Max	21.9	21.7	21.5	21.4	.72	.88	1.13	.16	.41
Hr. of Max	16	16	16	17	23	23	23	23	23
Min	14.3	15.0	15.1	15.3	-.32	-.55	-.58	-.25	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	16.6	16.7	17.0	18.6	94.4	93.8	14.1	14.2	0.012193
01:00	16.4	16.6	16.8	18.5	94.7	93.5	13.9	14.1	0.012059
02:00	16.2	16.5	16.6	18.4	94.3	93.6	13.8	14.0	0.011936
03:00	16.1	16.5	16.5	18.3	94.7	94.7	13.7	14.0	0.011871
04:00	16.2	16.7	16.6	18.2	94.9	95.3	13.8	14.2	0.011979
05:00	16.3	16.7	16.7	18.1	94.9	95.7	13.9	14.2	0.012048
06:00	16.4	16.8	16.7	18.0	96.3	96.8	14.0	14.3	0.012109
07:00	16.5	16.8	16.8	17.9	97.3	97.9	14.1	14.3	0.012201
08:00	16.5	16.7	16.8	17.9	97.2	98.0	14.1	14.2	0.012223
09:00	16.5	16.6	16.7	17.8	96.8	97.7	14.0	14.1	0.012174
10:00	16.5	16.6	16.8	17.8	96.3	97.4	14.0	14.1	0.012188
11:00	17.1	17.0	17.5	17.8	94.8	95.9	14.5	14.5	0.012697
12:00	17.8	17.7	18.3	17.8	93.3	93.1	15.1	15.0	0.013274
13:00	18.2	18.1	18.5	18.1	96.2	94.9	15.6	15.4	0.013674
14:00	18.4	18.4	19.0	18.3	92.0	92.8	15.7	15.7	0.013885
15:00	18.0	17.5	19.1	18.4	83.2	82.2	15.2	14.8	0.013515
16:00	16.5	16.1	18.3	18.6	73.2	72.0	13.9	13.5	0.012318
17:00	15.9	15.7	17.9	18.9	71.3	70.3	13.4	13.1	0.011857
18:00	16.1	15.9	17.9	19.1	72.8	71.8	13.5	13.3	0.01197
19:00	16.3	16.2	17.8	19.2	76.8	75.6	13.7	13.7	0.012149
20:00	15.5	15.3	16.3	19.1	87.6	83.3	13.2	13.0	0.011548
21:00	14.0	13.8	14.3	18.8	95.1	94.5	12.0	11.9	0.010389
22:00	13.8	14.2	14.1	18.6	96.6	96.0	11.9	12.2	0.010284
23:00	13.5	14.1	13.8	18.4	96.6	96.1	11.7	12.1	0.010054
Avg	16.3	16.4	17.0	18.4	90.9	90.5	13.9	13.9	0.012108
Max	18.4	18.4	19.1	19.2	97.3	98.0	15.7	15.7	0.013885
Hr. of Max	14	14	15	19	07	08	14	14	14
Min	13.5	13.8	13.8	17.8	71.3	70.3	11.7	11.9	0.010054
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.012342	18.9	19.1	.00	29.01	982.4	-1.4	.00	256.5
01:00	0.012198	18.7	18.9	.00	29.00	982.1	-2.5	.00	304.1
02:00	0.012182	18.5	18.8	.00	28.97	981.1	-3.5	-.01	42.9
03:00	0.012196	18.4	18.9	.00	28.96	980.6	-3.7	-.01	16.0
04:00	0.012329	18.5	19.0	.00	28.94	980.0	-3.5	.00	47.5
05:00	0.012336	18.6	19.1	.00	28.93	979.7	-2.3	.00	33.3
06:00	0.01239	18.7	19.1	.03	28.92	979.4	-1.9	.00	48.5
07:00	0.012403	18.8	19.1	.08	28.92	979.3	2.2	.00	63.4
08:00	0.012342	18.9	19.0	.09	28.90	978.7	21.6	.03	61.1
09:00	0.01226	18.8	18.9	.14	28.88	978.0	41.3	.06	69.0
10:00	0.012257	18.8	18.9	.06	28.86	977.4	70.3	.10	63.4
11:00	0.01262	19.5	19.4	.00	28.84	976.8	246.4	.35	69.4
12:00	0.013207	20.4	20.3	.00	28.82	976.2	113.4	.16	45.8
13:00	0.013561	21.0	20.8	.13	28.81	975.6	90.1	.13	330.1
14:00	0.013849	21.3	21.2	.01	28.79	975.0	207.7	.30	190.3
15:00	0.013087	20.7	20.1	.00	28.77	974.3	497.8	.71	211.9
16:00	0.011945	18.9	18.3	.00	28.75	973.6	423.8	.61	207.2
17:00	0.011641	18.2	17.9	.00	28.73	972.8	251.8	.36	201.6
18:00	0.011799	18.4	18.1	.00	28.72	972.6	167.3	.24	207.4
19:00	0.012093	18.6	18.5	.00	28.71	972.3	47.2	.07	207.3
20:00	0.011426	17.7	17.5	.23	28.73	972.9	-.4	.00	237.4
21:00	0.010295	16.0	15.9	.01	28.76	973.9	-2.7	.00	229.2
22:00	0.010508	15.8	16.2	.00	28.77	974.4	-1.7	.00	247.8
23:00	0.010479	15.5	16.1	.00	28.78	974.7	-.9	.00	229.9
Avg	0.012156	18.7	18.7	.03	28.84	976.8	89.9	.13	48.0
Max	0.013849	21.3	21.2	.23	29.01	982.4	497.8	.71	330.1
Hr. of Max	14	14	14	20	00	00	15	15	13
Min	0.010295	15.5	15.9	.00	28.71	972.3	-3.7	-.01	16.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	182.8	46.5	255.4	40.7	52.4	55.1	49.5	.4	.1
01:00	211.4	100.2	299.6	104.5	30.6	52.1	33.5	.3	.4
02:00	59.6	70.3	42.3	66.4	19.8	10.4	7.4	1.5	2.6
03:00	70.5	89.0	17.4	85.2	28.7	16.6	7.7	.7	1.1
04:00	64.3	71.7	47.3	67.3	19.2	7.9	6.2	1.7	3.1
05:00	44.4	57.6	33.3	53.2	21.2	9.4	8.9	1.9	3.8
06:00	53.4	58.0	50.0	53.2	15.8	11.2	7.8	1.4	2.9
07:00	70.4	71.2	64.2	67.2	22.5	14.9	10.6	1.7	3.4
08:00	64.7	65.7	62.9	61.8	24.9	16.1	9.9	2.4	4.7
09:00	72.5	69.1	69.7	64.7	33.7	16.5	10.8	2.9	5.5
10:00	67.6	68.9	65.4	64.7	30.5	16.7	10.4	3.3	6.7
11:00	72.7	75.0	69.7	70.9	30.6	17.6	11.3	3.8	6.6
12:00	66.7	84.1	48.0	80.2	26.4	20.0	19.1	2.1	3.4
13:00	123.1	134.0	302.0	131.2	70.2	67.6	48.0	.1	.6
14:00	193.2	184.8	206.4	185.3	61.6	39.2	31.6	1.9	3.1
15:00	218.5	216.5	217.1	218.4	26.1	19.3	14.5	5.9	8.4
16:00	210.5	207.9	213.7	209.8	23.7	18.3	15.1	7.7	10.8
17:00	209.1	207.0	207.9	208.8	23.7	19.9	15.5	6.7	8.9
18:00	211.1	207.4	212.8	209.0	26.4	21.2	18.6	4.9	7.1
19:00	209.2	206.5	211.3	208.4	18.5	12.4	9.6	3.5	5.7
20:00	232.9	227.7	242.0	230.1	20.0	12.8	10.0	4.8	7.7
21:00	229.0	220.3	237.7	223.2	45.3	20.1	8.9	1.0	2.6
22:00	231.3	213.0	252.7	215.0	16.1	12.0	9.7	2.4	4.4
23:00	220.5	212.4	234.3	214.7	17.7	9.9	7.2	2.1	4.5
Avg	142.0	123.0	287.0	120.0	29.4	21.6	15.9	.0	.0
Max	232.9	227.7	302.0	230.1	70.2	67.6	49.5	7.7	10.8
Hr. of Max	20	20	13	20	13	13	00	16	16
Min	44.4	46.5	17.4	40.7	15.8	7.9	6.2	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	.2	.5	.2	.4	1.0	.9	1.9	.7	.04
01:00	.4	.6	.6	.6	1.0	1.0	2.1	.7	.02
02:00	3.2	1.6	2.7	3.2	1.8	3.5	-3.1	-1.2	-.14
03:00	2.0	.8	1.2	2.1	1.1	2.4	1.5	2.5	.00
04:00	3.5	1.8	3.1	3.6	2.1	3.8	-5.8	-4.6	-.25
05:00	4.0	2.1	3.9	4.1	2.4	4.4	-5.8	-4.3	-.31
06:00	3.8	1.5	2.9	3.9	1.7	4.2	-3.9	-3.0	-.16
07:00	4.8	1.9	3.5	4.9	2.2	5.2	-1.8	.5	-.13
08:00	6.8	2.6	4.9	6.9	2.9	7.3	-.7	1.5	-.20
09:00	7.8	3.2	5.8	8.0	3.8	8.4	1.0	2.1	-.08
10:00	9.2	3.7	7.0	9.3	4.4	9.7	-.4	.5	-.21
11:00	8.9	4.1	6.8	9.1	4.8	9.4	.8	.2	-.13
12:00	4.4	2.4	3.6	4.6	2.7	4.9	-4.0	-1.3	-.25
13:00	1.6	1.8	2.5	3.4	2.3	3.9	2.6	1.4	.05
14:00	4.5	2.2	3.5	5.0	2.9	5.4	2.3	1.6	-.02
15:00	10.4	6.4	8.9	10.8	7.1	11.5	1.9	1.8	-.03
16:00	13.1	8.3	11.3	13.5	8.9	14.2	2.0	.6	.04
17:00	11.4	7.2	9.3	11.8	7.9	12.5	.6	-.1	-.17
18:00	8.7	5.4	7.5	9.1	6.1	9.9	2.0	2.0	.03
19:00	7.6	3.7	5.9	7.7	4.3	8.2	.5	-.4	-.08
20:00	10.0	5.1	8.0	10.4	5.6	11.0	-.9	.4	-.22
21:00	4.4	1.2	2.8	4.5	1.7	4.9	-.2	.9	-.01
22:00	6.1	2.5	4.5	6.2	3.0	6.7	-2.1	.5	-.14
23:00	6.8	2.2	4.7	7.0	2.7	7.5	-.5	.9	-.06
Avg	.0	3.0	4.8	6.3	3.5	6.7	-.4	.2	-.10
Max	13.1	8.3	11.3	13.5	8.9	14.2	2.6	2.5	.05
Hr. of Max	16	16	16	16	16	16	13	03	13
Min	.2	.5	.2	.4	1.0	.9	-5.8	-4.6	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.02	1.4	1.4	6.4	2.0	3.7	8.0	14.0
01:00	.02	1.8	2.3	2.5	2.2	2.7	7.2	8.2
02:00	-.08	3.4	5.0	5.0	3.8	5.5	10.5	3.4
03:00	.08	6.2	5.3	7.1	3.6	4.9	10.8	6.0
04:00	-.31	3.4	4.8	7.8	3.9	6.2	11.7	4.5
05:00	-.34	4.6	5.7	6.9	5.0	6.3	13.6	5.4
06:00	-.23	3.7	8.9	8.0	4.0	6.3	12.5	4.0
07:00	.03	4.8	8.9	11.4	5.7	12.2	14.6	6.8
08:00	.13	7.6	9.4	16.0	10.2	11.9	20.1	7.6
09:00	.21	9.8	14.0	19.2	11.1	14.8	20.7	9.2
10:00	.02	9.6	19.5	20.6	14.2	14.7	22.1	8.3
11:00	-.05	13.3	14.7	21.1	13.0	16.1	21.4	8.6
12:00	-.14	8.5	9.8	10.8	9.3	11.0	18.3	13.2
13:00	.01	8.5	10.1	11.2	8.2	11.9	17.3	18.4
14:00	-.07	12.4	16.7	19.0	12.9	20.3	26.6	21.4
15:00	.13	20.2	23.1	26.1	22.4	26.5	17.8	11.7
16:00	-.17	23.8	30.2	25.9	21.9	28.0	17.0	12.3
17:00	-.28	22.4	32.7	25.2	19.6	27.3	16.6	12.1
18:00	.09	16.7	18.1	19.2	18.7	20.7	18.4	14.7
19:00	-.12	10.1	16.9	15.6	10.9	14.4	14.3	7.2
20:00	-.05	45.8	50.8	52.4	48.5	55.6	11.9	6.1
21:00	.09	6.6	12.6	21.3	5.2	13.2	12.0	3.5
22:00	.03	6.6	8.5	11.0	7.2	11.6	7.7	5.8
23:00	.09	8.2	10.8	16.5	10.3	13.1	9.9	4.8
Avg	-.04	10.8	14.2	16.1	11.4	15.0	15.0	9.1
Max	.21	45.8	50.8	52.4	48.5	55.6	26.6	21.4
Hr. of Max	09	20	20	20	20	20	14	14
Min	-.34	1.4	1.4	2.5	2.0	2.7	7.2	3.4
Count	24	24	24	24	24	24	24	24
Total								