Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	19.2	20.3	21.1	1.39	2.56	3.32	1.17	1.93
01:00	17.4	18.8	20.4	21.2	1.42	2.97	3.79	1.56	2.37
02:00	17.0	18.6	19.5	20.7	1.66	2.55	3.69	.89	2.03
03:00	16.9	18.3	18.8	20.0	1.44	1.96	3.16	.51	1.71
04:00	17.3	18.2	18.7	19.5	.84	1.36	2.15	.52	1.31
05:00	17.3	18.3	18.5	19.1	1.02	1.21	1.80	.19	.78
06:00	16.9	17.7	18.4	19.0	.77	1.48	2.10	.71	1.33
07:00	17.9	17.9	18.3	19.1	.01	.35	1.21	.34	1.20
08:00	19.8	19.5	19.5	19.8	-.27	-.34	-.05	-.07	.23
09:00	21.0	20.7	20.5	20.5	-.38	-.56	-.51	-.17	-.13
10:00	23.3	22.5	22.2	22.1	-.75	-1.03	-1.19	-.29	-.45
11:00	23.0	22.4	22.1	21.9	-.59	-.87	-1.01	-.28	-.43
12:00	21.1	20.6	20.3	20.2	-.57	-.83	-.97	-.26	-.40
13:00	20.1	19.7	19.5	19.4	-.36	-.56	-.63	-.21	-.27
14:00	20.2	19.9	19.7	19.6	-.35	-.57	-.62	-.22	-.26
15:00	22.2	21.6	21.3	21.2	-.69	-.96	-1.05	-.28	-.37
16:00	23.2	22.6	22.3	22.2	-.64	-.90	-.99	-.25	-.34
17:00	23.5	23.0	22.7	22.6	-.50	-.74	-.83	-.24	-.34
18:00	23.4	23.0	22.8	22.7	-.40	-.63	-.70	-.24	-.31
19:00	22.9	22.9	22.7	22.6	-.09	-.27	-.31	-.18	-.22
20:00	21.5	22.0	22.2	22.3	.45	.66	.77	.21	.32
21:00	20.8	21.2	21.7	21.8	.37	.85	1.05	.48	.68
22:00	20.0	20.7	21.2	21.3	.70	1.11	1.27	.41	.57
23:00	19.6	20.5	20.6	20.8	.92	1.08	1.21	.16	.29
Avg	20.2	20.4	20.6	20.9	.23	.41	.69	.19	.47
Max	23.5	23.0	22.8	22.7	1.66	2.97	3.79	1.56	2.37
Hr. of Max	17	18	18	18	02	01	01	01	01
Min	16.9	17.7	18.3	19.0	-.75	-1.03	-1.19	-.29	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	16.2	17.8	16.7	23.4	92.1	93.6	13.7	15.1	0.01178
01:00	15.9	17.5	16.4	23.2	92.7	93.7	13.5	14.8	0.011587
02:00	15.5	17.0	16.0	23.0	93.1	92.0	13.2	14.4	0.01131
03:00	15.4	16.6	15.9	22.8	92.9	91.2	13.1	14.0	0.011235
04:00	15.8	16.5	16.3	22.6	92.7	91.6	13.5	14.0	0.01153
05:00	15.9	16.7	16.4	22.4	93.0	92.0	13.5	14.2	0.011567
06:00	15.6	16.5	16.0	22.3	93.9	94.9	13.3	14.1	0.011357
07:00	16.4	16.6	16.9	22.1	92.6	93.6	13.9	14.1	0.011944
08:00	17.1	17.0	18.0	22.0	86.3	87.2	14.5	14.4	0.012523
09:00	17.1	17.0	18.4	21.9	80.1	81.2	14.5	14.3	0.012541
10:00	16.8	16.5	18.9	22.0	68.4	70.4	14.0	13.8	0.012256
11:00	17.0	16.8	19.0	22.1	70.5	72.5	14.2	14.1	0.01241
12:00	17.1	17.1	18.4	22.3	79.4	82.2	14.4	14.4	0.012506
13:00	18.1	17.9	18.7	22.4	90.2	91.5	15.4	15.2	0.013304
14:00	18.5	18.4	19.1	22.5	91.8	93.3	15.8	15.7	0.013694
15:00	19.0	18.6	20.1	22.5	84.2	85.3	16.2	15.8	0.014195
16:00	18.8	18.5	20.3	22.7	78.0	79.7	15.9	15.7	0.013991
17:00	18.8	18.6	20.4	22.9	77.0	78.4	16.0	15.8	0.014031
18:00	19.4	19.4	20.7	23.1	79.8	81.9	16.5	16.5	0.014506
19:00	19.8	19.6	20.8	23.1	84.5	83.9	16.9	16.8	0.014887
20:00	19.8	19.9	20.4	23.2	92.4	90.4	17.1	17.1	0.014921
21:00	19.5	19.8	19.9	23.1	94.3	94.0	16.7	17.0	0.014574
22:00	18.9	19.8	19.3	23.0	95.4	96.5	16.2	17.0	0.014066
23:00	18.5	19.6	18.8	22.9	95.7	97.0	15.8	16.9	0.01368
Avg	17.5	17.9	18.4	22.6	87.1	87.8	14.9	15.2	0.012933
Max	19.8	19.9	20.8	23.4	95.7	97.0	17.1	17.1	0.014921
Hr. of Max	20	20	19	00	23	23	20	20	20
Min	15.4	16.5	15.9	21.9	68.4	70.4	13.1	13.8	0.011235
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	0.013071	18.4	20.4	.00	29.30	992.2	-1.5	.00	264.7
01:00	0.012795	18.1	20.0	.00	29.29	991.9	-1.3	.00	152.7
02:00	0.012419	17.7	19.4	.00	29.27	991.2	-2.4	.00	86.4
03:00	0.012084	17.6	18.9	.00	29.27	991.1	-3.0	.00	303.3
04:00	0.012016	18.0	18.8	.00	29.27	991.2	-2.7	.00	259.9
05:00	0.012201	18.1	19.1	.00	29.27	991.2	-1.3	.00	327.2
06:00	0.012062	17.8	18.9	.00	29.27	991.4	8.4	.01	249.8
07:00	0.012078	18.7	18.9	.00	29.29	992.1	82.4	.12	241.7
08:00	0.012449	19.6	19.5	.00	29.31	992.5	115.8	.17	271.1
09:00	0.012416	19.6	19.4	.00	29.32	992.8	211.4	.30	205.8
10:00	0.012058	19.2	18.9	.00	29.31	992.7	477.2	.68	243.1
11:00	0.01231	19.4	19.3	.00	29.32	992.9	279.7	.40	259.3
12:00	0.012514	19.6	19.6	.00	29.32	992.9	256.4	.37	279.6
13:00	0.013189	20.8	20.6	.05	29.31	992.6	204.7	.29	271.0
14:00	0.01361	21.4	21.2	.03	29.30	992.1	225.2	.32	277.9
15:00	0.013801	22.1	21.5	.00	29.28	991.4	605.9	.87	257.0
16:00	0.013742	21.8	21.4	.00	29.25	990.6	416.2	.60	279.2
17:00	0.013853	21.8	21.6	.00	29.24	990.3	275.0	.39	274.0
18:00	0.014534	22.6	22.6	.00	29.23	989.9	193.6	.28	333.3
19:00	0.014721	23.1	22.9	.00	29.23	989.9	93.9	.13	321.0
20:00	0.015017	23.2	23.3	.00	29.25	990.4	9.2	.01	1.9
21:00	0.014868	22.7	23.1	.00	29.26	990.8	-3.6	-.01	345.5
22:00	0.014851	21.9	23.1	.00	29.27	991.4	-3.2	.00	2.6
23:00	0.014679	21.3	22.9	.00	29.28	991.4	-1.8	.00	8.1
Avg	0.013222	20.2	20.6	.00	29.28	991.5	143.1	.21	285.0
Max	0.015017	23.2	23.3	.05	29.32	992.9	605.9	.87	345.5
Hr. of Max	20	20	20	13	12	12	15	15	21
Min	0.012016	17.6	18.8	.00	29.23	989.9	-3.6	-.01	1.9
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	258.9	217.1	264.8	218.9	50.7	45.7	7.7	.2	1.2
01:00	245.4	219.4	177.4	221.6	56.5	13.8	6.1	.1	2.2
02:00	303.6	222.4	7.7	224.4	46.0	67.7	7.2	.0	.3
03:00	137.8	248.8	275.1	249.7	40.2	54.9	13.7	.2	.1
04:00	227.8	226.2	254.7	228.0	19.7	8.7	7.8	.4	2.2
05:00	237.4	179.6	321.9	181.8	59.9	32.1	34.5	.2	.2
06:00	238.7	232.6	252.6	231.6	19.5	24.3	26.8	1.6	1.6
07:00	230.8	232.4	236.0	233.9	38.0	38.6	14.7	.5	1.0
08:00	295.5	221.5	264.6	224.0	41.2	33.6	32.6	.5	.6
09:00	233.1	251.7	212.0	252.6	27.2	23.0	21.1	1.5	1.8
10:00	253.6	253.1	245.9	254.8	28.6	25.6	22.0	2.8	3.5
11:00	268.2	269.8	264.0	270.3	28.2	19.9	15.8	3.8	5.3
12:00	289.6	294.6	283.1	292.3	27.0	20.3	17.9	4.2	5.5
13:00	284.6	290.7	274.9	288.4	26.9	19.2	14.8	3.4	4.2
14:00	291.7	296.7	281.9	293.3	44.9	41.8	19.8	1.4	2.1
15:00	269.2	272.9	264.7	272.3	43.2	31.0	27.7	2.0	2.8
16:00	281.9	283.5	281.9	282.9	31.0	21.4	19.3	3.1	4.1
17:00	278.5	278.7	277.3	279.1	40.1	33.9	33.7	1.4	1.7
18:00	332.5	323.7	336.6	319.5	44.3	40.8	31.8	1.3	1.6
19:00	324.1	317.5	314.5	313.3	37.7	33.4	35.8	1.0	1.4
20:00	23.1	15.3	.7	9.6	22.9	12.4	12.4	1.0	1.6
21:00	49.1	80.6	342.8	77.3	31.7	16.3	11.1	.6	1.2
22:00	46.8	65.5	2.5	61.2	23.1	11.5	16.3	.8	1.4
23:00	59.7	64.3	9.6	60.5	30.1	13.0	7.3	.7	1.4
Avg	279.0	261.0	285.0	263.0	35.8	28.5	19.1	.0	.0
Max	332.5	323.7	342.8	319.5	59.9	67.7	35.8	4.2	5.5
Hr. of Max	18	18	21	18	05	02	19	12	12
Min	23.1	15.3	.7	9.6	19.5	8.7	6.1	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	4.1	.3	1.3	4.2	.7	4.6	1.6	.6	.03
01:00	5.4	.2	2.2	5.5	.7	5.9	2.8	1.2	.04
02:00	3.5	.3	.4	3.6	.6	3.9	1.2	.7	.02
03:00	2.3	.2	.1	2.3	.6	2.6	1.7	1.0	.02
04:00	2.2	.4	2.3	2.3	.8	2.7	1.7	1.9	.03
05:00	.3	.3	.5	.6	.6	1.0	1.8	-.7	.02
06:00	1.1	1.7	1.8	1.2	2.1	1.6	.4	1.7	.00
07:00	2.2	.7	1.1	2.3	1.1	2.7	1.2	2.1	.02
08:00	1.3	.7	.8	1.5	1.2	1.8	2.5	-.1	.02
09:00	2.4	1.7	1.9	2.6	2.2	2.9	3.6	1.8	.13
10:00	3.8	3.0	3.7	4.0	3.7	4.5	.4	2.3	-.08
11:00	6.1	4.2	5.7	6.4	4.8	6.8	.5	1.2	-.15
12:00	6.9	4.6	5.9	7.2	4.9	7.4	-4.6	-3.8	-.57
13:00	5.1	3.6	4.4	5.3	4.0	5.5	-5.8	-6.6	-.54
14:00	2.9	1.7	2.3	3.1	2.1	3.4	-.7	-4.7	-.13
15:00	3.2	2.5	3.3	3.6	3.0	4.1	-.4	-3.9	-.11
16:00	4.9	3.5	4.4	5.1	3.9	5.5	-.8	-2.5	-.22
17:00	2.0	1.7	2.1	2.3	2.2	2.7	.0	-.6	-.08
18:00	1.7	1.6	1.8	1.9	1.9	2.3	-2.3	2.2	-.17
19:00	1.8	1.1	1.5	1.9	1.5	2.2	.0	5.5	-.05
20:00	1.8	1.1	1.8	2.2	1.4	2.4	.6	.2	-.01
21:00	1.5	.7	1.2	1.5	.9	1.8	4.3	2.8	.08
22:00	1.6	1.0	1.5	1.6	1.2	1.9	2.6	.1	.04
23:00	1.8	.8	1.4	1.8	1.1	2.1	2.7	.8	.05
Avg	.0	1.6	2.2	3.1	2.0	3.4	.6	.1	-.07
Max	6.9	4.6	5.9	7.2	4.9	7.4	4.3	5.5	.13
Hr. of Max	12	12	12	12	12	12	21	19	09
Min	.3	.2	.1	.6	.6	1.0	-5.8	-6.6	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2015

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	.04	1.4	3.4	7.8	1.9	8.5	7.0	5.2
01:00	.11	1.6	4.6	12.8	2.0	9.9	9.0	4.1
02:00	.04	1.4	5.0	8.7	1.8	6.8	7.5	4.2
03:00	.05	1.4	1.4	6.2	1.6	4.7	5.7	5.3
04:00	.09	2.1	3.2	5.3	2.5	4.8	7.1	3.1
05:00	-.01	1.8	1.8	1.8	1.9	2.1	7.2	9.2
06:00	.08	3.2	4.4	3.7	3.7	4.1	6.4	7.7
07:00	.09	4.4	6.4	6.0	3.1	5.4	13.0	8.0
08:00	-.02	3.2	3.4	4.1	3.6	4.7	17.5	8.3
09:00	.04	5.3	6.2	6.4	6.6	7.0	20.2	14.6
10:00	.03	8.9	9.6	9.4	9.1	11.1	20.7	19.9
11:00	-.05	12.1	11.9	12.4	13.4	13.7	18.3	13.6
12:00	-.73	11.0	15.8	19.0	11.7	14.1	18.5	14.4
13:00	-.72	11.4	13.1	15.1	8.4	11.5	17.4	11.8
14:00	-.41	5.5	6.4	7.1	6.5	7.9	23.8	17.2
15:00	-.32	9.2	8.0	8.7	10.0	9.5	24.6	20.1
16:00	-.47	9.4	9.4	10.1	9.4	11.1	19.6	16.2
17:00	-.17	6.9	5.5	6.0	6.7	6.4	24.4	23.2
18:00	.02	4.4	5.0	4.6	4.8	5.1	24.6	22.6
19:00	.07	2.7	3.2	3.9	3.1	4.2	21.0	19.4
20:00	.01	2.5	3.4	5.7	3.1	4.0	10.3	5.2
21:00	.09	1.6	3.0	3.7	2.0	3.3	10.3	7.6
22:00	.05	2.3	3.0	3.4	2.6	4.0	8.4	7.7
23:00	.03	2.1	2.7	4.6	2.2	3.7	7.6	4.0
Avg	-.09	4.8	5.8	7.4	5.1	7.0	14.6	11.4
Max	.11	12.1	15.8	19.0	13.4	14.1	24.6	23.2
Hr. of Max	01	11	12	12	11	12	18	17
Min	-.73	1.4	1.4	1.8	1.6	2.1	5.7	3.1
Count	24	24	24	24	24	24	24	24
Total								