Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	6.0	6.3	6.2	6.2	.25	.23	.24	-.03	-.01
01:00	5.9	6.0	6.0	6.1	.15	.12	.23	-.02	.09
02:00	6.0	6.1	6.2	6.5	.10	.11	.49	.01	.40
03:00	6.3	6.4	6.8	7.5	.14	.48	1.18	.34	1.04
04:00	6.8	7.2	7.2	7.3	.35	.38	.52	.02	.16
05:00	6.9	7.3	7.2	7.3	.37	.34	.43	-.03	.07
06:00	6.7	7.4	7.4	7.5	.70	.70	.82	.00	.12
07:00	6.9	7.4	7.3	7.5	.41	.38	.58	-.03	.17
08:00	7.8	7.9	8.0	8.3	.09	.15	.50	.06	.41
09:00	10.4	10.1	9.9	9.8	-.26	-.44	-.55	-.18	-.29
10:00	11.3	11.1	10.9	10.8	-.26	-.44	-.54	-.19	-.28
11:00	10.7	10.7	10.5	10.5	-.04	-.20	-.25	-.16	-.21
12:00	10.5	10.4	10.2	10.1	-.10	-.28	-.36	-.18	-.26
13:00	10.2	10.1	9.9	9.8	-.08	-.26	-.36	-.18	-.28
14:00	10.1	9.9	9.7	9.6	-.13	-.34	-.44	-.20	-.31
15:00	9.7	9.7	9.5	9.4	-.03	-.21	-.29	-.18	-.26
16:00	9.3	9.3	9.1	9.1	.03	-.13	-.20	-.16	-.23
17:00	8.7	8.8	8.6	8.5	.08	-.08	-.14	-.15	-.22
18:00	8.2	8.3	8.2	8.2	.10	-.02	-.03	-.13	-.14
19:00	7.9	8.1	8.0	8.0	.18	.08	.09	-.10	-.09
20:00	7.6	7.8	7.7	7.7	.17	.07	.08	-.10	-.09
21:00	7.3	7.6	7.5	7.4	.29	.16	.10	-.13	-.19
22:00	7.1	7.3	7.2	7.1	.27	.14	.10	-.13	-.17
23:00	6.8	7.1	7.0	7.0	.27	.17	.12	-.10	-.15
Avg	8.1	8.3	8.2	8.2	.13	.05	.10	-.08	-.03
Max	11.3	11.1	10.9	10.8	.70	.70	1.18	.34	1.04
Hr. of Max	10	10	10	10	06	06	03	03	03
Min	5.9	6.0	6.0	6.1	-.26	-.44	-.55	-.20	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	4.7	4.3	5.1	6.1	92.3	88.2	6.6	6.5	0.005466
01:00	4.9	4.8	5.2	6.2	94.0	92.3	6.7	6.7	0.005527
02:00	5.2	5.2	5.5	6.3	94.9	94.8	6.9	6.9	0.005639
03:00	5.5	5.7	5.8	6.3	95.4	95.7	7.0	7.1	0.005778
04:00	6.1	6.5	6.3	6.4	95.7	96.1	7.3	7.5	0.00601
05:00	6.1	6.5	6.4	6.4	95.8	95.8	7.3	7.5	0.006037
06:00	5.9	6.6	6.2	6.5	95.8	95.8	7.2	7.5	0.005944
07:00	6.2	6.6	6.5	6.5	96.0	95.9	7.3	7.5	0.006071
08:00	7.1	7.2	7.3	6.6	96.1	96.5	7.8	7.9	0.006463
09:00	8.6	8.3	9.2	6.7	89.9	89.8	8.5	8.4	0.007154
10:00	6.3	5.9	8.0	6.8	72.2	71.4	7.3	7.1	0.006134
11:00	4.7	4.4	6.7	7.1	67.0	65.9	6.6	6.4	0.005474
12:00	4.7	4.5	6.6	7.3	68.1	67.4	6.5	6.4	0.005464
13:00	4.5	4.3	6.4	7.5	68.5	68.2	6.5	6.4	0.005381
14:00	4.2	4.0	6.2	7.6	67.7	67.4	6.3	6.3	0.00528
15:00	4.1	4.1	6.0	7.7	69.0	68.8	6.3	6.3	0.005245
16:00	3.8	3.7	5.6	7.8	69.4	68.7	6.2	6.1	0.005116
17:00	3.5	3.4	5.2	7.9	70.5	69.7	6.0	6.0	0.004986
18:00	2.9	2.8	4.7	7.9	69.6	68.9	5.8	5.8	0.004777
19:00	2.9	2.8	4.6	7.8	71.0	69.6	5.8	5.8	0.004769
20:00	2.7	2.6	4.4	7.8	71.8	70.3	5.8	5.7	0.004724
21:00	2.7	2.2	4.2	7.8	73.2	69.6	5.7	5.6	0.0047
22:00	2.4	2.0	3.9	7.7	72.8	69.8	5.6	5.5	0.004595
23:00	2.3	2.0	3.8	7.7	73.6	70.7	5.6	5.5	0.004582
Avg	4.7	4.6	5.8	7.1	80.4	79.5	6.6	6.6	0.005472
Max	8.6	8.3	9.2	7.9	96.1	96.5	8.5	8.4	0.007154
Hr. of Max	09	09	09	18	08	08	09	09	09
Min	2.3	2.0	3.8	6.1	67.0	65.9	5.6	5.5	0.004582
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	0.005312	8.6	8.3	.09	29.03	983.2	-2.3	.00	30.5
01:00	0.005479	8.7	8.6	.05	29.03	983.2	-2.4	.00	232.0
02:00	0.00567	8.8	8.9	.06	29.02	982.8	-2.3	.00	325.4
03:00	0.005852	9.0	9.2	.01	29.01	982.3	-2.9	.00	61.5
04:00	0.00618	9.4	9.7	.00	28.99	981.9	-2.2	.00	46.3
05:00	0.006194	9.4	9.7	.00	28.99	981.9	-2.1	.00	96.8
06:00	0.00624	9.3	9.8	.00	29.00	981.9	-2.3	.00	255.4
07:00	0.006237	9.5	9.8	.00	29.01	982.4	-1.0	.00	232.3
08:00	0.006525	10.1	10.2	.00	29.02	982.7	57.0	.08	227.6
09:00	0.007018	11.2	11.0	.00	29.04	983.5	326.2	.47	244.1
10:00	0.005961	9.6	9.3	.00	29.06	984.2	280.0	.40	239.8
11:00	0.005363	8.6	8.4	.00	29.07	984.4	117.2	.17	227.3
12:00	0.005373	8.6	8.4	.00	29.07	984.4	122.6	.18	234.5
13:00	0.005324	8.4	8.4	.00	29.08	984.6	82.4	.12	249.7
14:00	0.005216	8.3	8.2	.00	29.09	985.2	112.5	.16	249.3
15:00	0.005218	8.2	8.2	.00	29.12	986.1	35.2	.05	244.0
16:00	0.005082	8.1	8.0	.00	29.16	987.4	17.7	.03	254.9
17:00	0.00496	7.9	7.8	.00	29.18	988.3	1.2	.00	248.5
18:00	0.004759	7.5	7.5	.00	29.21	989.1	-1.8	.00	238.4
19:00	0.004734	7.5	7.5	.00	29.22	989.7	-2.1	.00	234.2
20:00	0.004678	7.5	7.4	.00	29.24	990.1	-1.7	.00	235.7
21:00	0.004559	7.4	7.2	.00	29.25	990.6	-2.7	.00	246.3
22:00	0.004487	7.3	7.1	.00	29.26	991.0	-1.9	.00	235.9
23:00	0.004484	7.2	7.1	.00	29.27	991.1	-2.0	.00	245.7
Avg	0.005454	8.6	8.6	.01	29.10	985.5	46.8	.07	245.0
Max	0.007018	11.2	11.0	.09	29.27	991.1	326.2	.47	325.4
Hr. of Max	09	09	09	00	23	23	09	09	02
Min	0.004484	7.2	7.1	.00	28.99	981.9	-2.9	.00	30.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	46.3	54.8	30.9	49.0	41.2	32.6	24.7	1.4	2.9
01:00	236.3	237.9	240.6	239.9	59.1	42.9	48.7	1.8	2.8
02:00	70.3	206.6	311.4	220.1	62.7	64.8	58.1	.3	.4
03:00	75.3	155.8	47.5	157.6	44.5	50.1	47.6	.8	1.1
04:00	64.6	95.7	44.1	91.6	39.8	39.2	49.2	.8	1.5
05:00	118.5	127.5	107.8	124.0	52.0	36.9	25.3	.2	.8
06:00	244.1	213.6	258.1	214.6	26.9	19.4	14.4	1.3	2.0
07:00	223.3	209.7	236.2	210.9	23.6	20.0	16.7	1.6	2.1
08:00	240.4	239.5	233.0	241.0	16.6	11.2	6.9	3.6	6.3
09:00	252.3	252.4	248.7	253.3	19.8	16.3	13.0	6.0	8.4
10:00	246.0	244.3	244.8	245.2	22.1	17.7	13.7	7.2	10.0
11:00	235.4	235.4	232.1	236.8	20.9	16.5	12.0	6.8	9.5
12:00	241.6	240.8	238.8	242.1	22.6	18.1	13.5	6.4	8.7
13:00	256.1	255.3	254.6	256.1	22.2	16.4	14.2	6.0	8.2
14:00	254.3	252.1	254.3	252.9	23.3	18.1	14.2	5.8	8.3
15:00	249.1	248.2	248.3	249.0	19.8	18.0	14.9	4.9	6.8
16:00	265.5	268.0	258.7	268.6	26.4	19.6	17.4	4.8	7.1
17:00	256.1	256.4	252.8	257.2	23.4	17.6	15.1	4.0	5.8
18:00	246.8	248.1	242.5	248.8	19.2	13.2	9.5	3.6	5.7
19:00	243.1	244.5	237.8	245.3	16.8	11.6	9.5	3.2	5.1
20:00	242.6	244.3	239.4	245.1	15.0	10.6	8.5	3.3	5.5
21:00	263.4	268.5	248.5	268.7	24.9	22.4	17.9	1.6	2.7
22:00	249.9	256.8	239.4	257.4	19.7	15.1	14.5	2.5	3.8
23:00	259.7	265.3	248.7	265.9	15.0	13.7	11.7	2.5	4.0
Avg	245.0	237.0	250.0	239.0	28.2	23.4	20.5	.0	.0
Max	265.5	268.5	311.4	268.7	62.7	64.8	58.1	7.2	10.0
Hr. of Max	16	21	02	21	02	02	02	10	10
Min	46.3	54.8	30.9	49.0	15.0	10.6	6.9	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	3.9	1.9	3.4	4.2	2.3	4.7	-2.5	-.5	-.16
01:00	2.9	2.6	3.7	3.9	3.1	4.7	1.1	.0	-.03
02:00	.3	.8	.8	.8	1.3	1.4	-1.6	-.8	-.06
03:00	1.5	1.2	1.6	1.9	1.6	2.5	1.8	-.1	.01
04:00	1.4	1.6	2.5	2.7	2.1	3.2	.7	.3	-.02
05:00	1.2	.7	1.2	1.6	1.2	2.1	1.7	.5	.02
06:00	2.4	1.5	2.1	2.5	1.9	2.9	-1.4	-1.3	-.07
07:00	2.7	1.8	2.2	2.9	2.3	3.3	-.4	.7	-.04
08:00	9.2	3.8	6.4	9.2	4.3	10.0	.4	1.2	-.07
09:00	10.5	6.3	8.8	10.8	7.2	11.7	.2	.7	-.18
10:00	12.1	7.7	10.4	12.4	8.5	13.4	1.7	1.2	-.08
11:00	11.6	7.2	9.9	11.9	7.9	12.8	2.7	.6	.04
12:00	10.7	6.8	9.1	10.9	7.8	11.8	1.3	1.0	-.13
13:00	9.8	6.4	8.6	10.2	7.2	10.9	-1.9	-.2	-.52
14:00	9.8	6.3	8.7	10.1	6.9	10.9	-.8	.8	-.35
15:00	8.4	5.3	7.2	8.7	6.0	9.4	-.5	1.0	-.24
16:00	8.9	5.2	7.5	9.3	6.0	9.9	.0	.1	-.21
17:00	7.3	4.4	6.3	7.8	5.1	8.3	-.7	1.4	-.19
18:00	7.3	3.8	5.8	7.4	4.4	8.0	-.1	.4	-.12
19:00	6.5	3.4	5.3	6.6	3.9	7.2	-.2	.6	-.08
20:00	6.9	3.5	5.6	7.0	4.1	7.6	-1.1	.8	-.16
21:00	3.5	1.7	2.9	3.7	2.4	4.1	.1	2.2	-.08
22:00	4.7	2.7	4.0	4.9	3.3	5.3	-.9	-.4	-.12
23:00	5.2	2.6	4.1	5.4	3.2	5.7	-.7	.7	-.09
Avg	.0	3.7	5.3	6.5	4.3	7.2	.0	.5	-.12
Max	12.1	7.7	10.4	12.4	8.5	13.4	2.7	2.2	.04
Hr. of Max	10	10	10	10	10	10	11	21	11
Min	.3	.7	.8	.8	1.2	1.4	-2.5	-1.3	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/16/2014

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	-.08	6.6	8.9	10.3	7.4	44.6	12.9	5.6
01:00	.12	8.9	10.3	12.1	9.8	70.6	13.8	13.3
02:00	-.01	3.0	3.2	5.5	3.5	5.0	9.3	9.5
03:00	-.01	3.9	4.8	5.7	4.3	6.7	11.2	10.8
04:00	-.01	5.3	8.7	6.6	5.6	7.0	13.1	12.0
05:00	.00	4.1	3.7	9.2	5.1	10.0	10.4	11.3
06:00	-.07	4.1	4.4	8.7	4.1	5.7	7.1	6.1
07:00	.04	4.1	6.0	6.6	5.3	7.2	5.7	5.2
08:00	.17	11.9	15.3	17.6	14.6	19.4	13.6	4.9
09:00	-.04	19.5	19.2	21.8	18.9	23.1	15.0	10.4
10:00	.05	20.2	38.0	33.7	19.3	24.3	17.2	11.1
11:00	-.01	15.6	23.6	29.1	19.7	22.0	16.0	8.7
12:00	.04	22.0	31.4	38.5	20.0	21.8	16.3	9.6
13:00	-.25	14.9	17.4	18.8	18.0	20.1	15.8	10.1
14:00	-.07	16.9	21.8	21.5	18.4	21.8	16.2	12.4
15:00	-.02	13.7	15.6	18.5	14.3	18.8	15.5	10.7
16:00	-.24	15.6	17.9	18.1	19.5	20.6	17.1	11.7
17:00	.05	13.1	16.0	22.9	12.3	17.0	14.8	10.6
18:00	-.01	12.1	16.9	21.5	11.0	14.3	14.2	7.7
19:00	.04	7.3	9.8	16.5	8.1	11.9	11.8	6.8
20:00	.06	9.2	16.0	16.5	11.0	13.1	11.4	5.9
21:00	.04	7.1	9.2	10.3	8.8	11.2	16.7	13.6
22:00	-.11	8.9	12.8	17.9	10.7	14.8	11.4	9.4
23:00	.01	5.7	9.6	11.4	6.9	10.1	10.9	7.9
Avg	-.01	10.6	14.2	16.6	11.5	18.4	13.2	9.4
Max	.17	22.0	38.0	38.5	20.0	70.6	17.2	13.6
Hr. of Max	08	12	10	12	12	01	10	21
Min	-.25	3.0	3.2	5.5	3.5	5.0	5.7	4.9
Count	24	24	24	24	24	24	24	24
Total								