Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	10.9	13.4	13.6	14.0	2.53	2.76	3.13	.23	.60
01:00	11.3	12.7	13.0	13.3	1.47	1.72	2.07	.24	.60
02:00	11.2	12.6	12.8	13.2	1.41	1.63	1.98	.22	.57
03:00	11.3	12.3	12.4	12.8	.95	1.08	1.52	.13	.57
04:00	10.0	12.1	12.3	12.6	2.13	2.32	2.60	.19	.47
05:00	9.6	11.4	11.7	12.0	1.75	2.06	2.42	.30	.67
06:00	8.7	11.1	11.3	11.7	2.32	2.60	2.98	.28	.66
07:00	8.7	10.7	11.2	11.9	2.00	2.44	3.16	.44	1.16
08:00	11.7	12.1	12.1	12.4	.41	.42	.73	.02	.32
09:00	15.2	14.8	14.5	14.4	-.42	-.68	-.78	-.26	-.36
10:00	17.0	16.1	15.7	15.5	-.89	-1.34	-1.55	-.45	-.66
11:00	18.6	17.5	17.0	16.7	-1.08	-1.55	-1.85	-.47	-.77
12:00	20.3	19.0	18.5	18.3	-1.35	-1.77	-1.98	-.43	-.64
13:00	21.7	20.4	20.1	20.0	-1.27	-1.59	-1.68	-.32	-.41
14:00	22.9	21.8	21.4	21.2	-1.16	-1.56	-1.73	-.40	-.57
15:00	23.8	22.5	22.1	21.9	-1.27	-1.67	-1.84	-.40	-.56
16:00	24.1	23.2	22.8	22.7	-.87	-1.23	-1.41	-.36	-.55
17:00	24.0	23.4	23.1	22.9	-.56	-.88	-1.04	-.32	-.48
18:00	21.9	22.4	22.6	22.7	.47	.70	.75	.23	.28
19:00	18.0	19.9	21.0	21.3	1.95	3.03	3.37	1.08	1.42
20:00	15.8	17.8	18.7	19.8	1.98	2.85	3.97	.87	1.99
21:00	14.3	16.2	16.9	17.8	1.83	2.55	3.47	.72	1.64
22:00	13.5	15.2	15.6	16.9	1.71	2.13	3.41	.42	1.70
23:00	12.9	14.7	15.0	15.9	1.75	2.07	2.96	.31	1.21
Avg	15.7	16.4	16.5	16.7	.66	.75	1.03	.09	.37
Max	24.1	23.4	23.1	22.9	2.53	3.03	3.97	1.08	1.99
Hr. of Max	16	17	17	17	00	19	20	19	20
Min	8.7	10.7	11.2	11.7	-1.35	-1.77	-1.98	-.47	-.77
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	8.9	9.0	9.6	22.3	88.7	75.7	8.7	8.7	0.007254
01:00	9.1	9.2	9.8	22.0	87.9	80.0	8.8	8.8	0.007365
02:00	9.1	9.3	9.8	21.7	87.9	81.2	8.8	8.9	0.00733
03:00	9.3	9.3	9.9	21.4	88.4	83.5	8.9	8.9	0.00743
04:00	8.5	9.5	9.0	21.1	91.9	85.1	8.5	9.0	0.007061
05:00	8.4	9.4	8.8	20.8	93.4	88.7	8.5	9.0	0.00702
06:00	7.5	9.4	7.9	20.6	93.0	90.4	8.0	9.0	0.006583
07:00	7.6	9.1	8.0	20.3	94.0	90.8	8.1	8.8	0.006641
08:00	9.5	8.8	10.2	20.1	88.0	81.7	9.1	8.6	0.007552
09:00	9.4	8.4	11.3	19.9	69.6	66.7	8.9	8.3	0.007517
10:00	8.5	7.8	11.4	19.9	58.3	58.7	8.4	8.0	0.007085
11:00	8.1	7.7	11.6	20.1	51.4	53.6	8.1	7.9	0.006901
12:00	8.0	7.6	12.1	20.5	46.0	48.4	8.0	7.8	0.006879
13:00	7.9	7.5	12.5	21.2	41.9	44.1	7.9	7.7	0.006814
14:00	8.2	8.2	13.1	21.9	39.8	42.6	8.1	8.1	0.007001
15:00	8.0	7.7	13.2	22.6	37.2	39.6	7.9	7.8	0.006888
16:00	8.1	8.1	13.4	23.0	36.8	38.9	8.0	8.0	0.006935
17:00	9.0	9.0	14.0	23.3	39.3	40.8	8.5	8.5	0.007367
18:00	10.8	10.2	14.5	23.4	50.7	47.0	9.6	9.2	0.008337
19:00	12.1	11.2	14.0	23.5	69.7	58.3	10.5	9.9	0.008996
20:00	11.8	11.3	13.1	23.3	78.0	66.9	10.4	10.0	0.008819
21:00	11.2	11.4	12.3	23.1	82.9	74.5	10.1	10.1	0.008501
22:00	11.1	11.5	11.9	22.8	86.5	80.0	10.0	10.2	0.008388
23:00	10.9	11.5	11.6	22.5	88.9	82.7	9.9	10.3	0.008315
Avg	9.2	9.3	11.4	21.7	70.4	66.7	8.8	8.8	0.007457
Max	12.1	11.5	14.5	23.5	94.0	90.8	10.5	10.3	0.008996
Hr. of Max	19	23	18	19	07	07	19	23	19
Min	7.5	7.5	7.9	19.9	36.8	38.9	7.9	7.7	0.006583
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	0.007316	11.4	11.5	.00	29.30	992.1	-2.2	.00	57.6
01:00	0.00739	11.6	11.6	.00	29.30	992.1	-2.3	.00	52.3
02:00	0.007441	11.6	11.7	.00	29.30	992.2	-2.3	.00	53.0
03:00	0.007476	11.7	11.8	.00	29.30	992.1	-1.5	.00	62.4
04:00	0.007536	11.1	11.9	.00	29.30	992.3	-2.5	.00	43.0
05:00	0.007493	11.1	11.8	.00	29.31	992.5	-2.4	.00	32.7
06:00	0.007473	10.4	11.8	.00	29.32	992.8	-2.6	.00	42.2
07:00	0.007333	10.5	11.6	.00	29.33	993.3	16.7	.02	51.6
08:00	0.007208	11.9	11.4	.00	29.34	993.7	204.6	.29	71.7
09:00	0.007015	11.9	11.1	.00	29.35	994.0	419.6	.60	82.3
10:00	0.006741	11.2	10.7	.00	29.36	994.4	615.6	.88	73.8
11:00	0.00672	10.9	10.6	.00	29.36	994.4	764.1	1.10	76.8
12:00	0.006652	10.9	10.5	.00	29.36	994.2	853.4	1.22	79.7
13:00	0.006628	10.8	10.5	.00	29.34	993.7	882.0	1.26	108.3
14:00	0.006971	11.1	11.0	.00	29.32	993.1	849.6	1.22	92.6
15:00	0.006776	10.9	10.7	.00	29.31	992.5	759.3	1.09	93.8
16:00	0.006956	10.9	11.0	.00	29.29	992.0	602.8	.86	41.7
17:00	0.007386	11.6	11.6	.00	29.28	991.7	299.3	.43	24.7
18:00	0.007981	13.1	12.6	.00	29.29	991.8	132.9	.19	.1
19:00	0.0085	14.1	13.4	.00	29.29	991.9	11.4	.02	2.2
20:00	0.008575	13.9	13.5	.00	29.29	992.0	-3.2	.00	354.6
21:00	0.008596	13.4	13.5	.00	29.30	992.3	-2.2	.00	338.7
22:00	0.008659	13.2	13.6	.00	29.32	992.8	-1.8	.00	30.7
23:00	0.008664	13.1	13.6	.00	29.33	993.1	-1.8	.00	23.7
Avg	0.007479	11.8	11.8	.00	29.32	992.8	266.1	.38	49.0
Max	0.008664	14.1	13.6	.00	29.36	994.4	882.0	1.26	354.6
Hr. of Max	23	19	23	23	12	11	13	13	20
Min	0.006628	10.4	10.5	.00	29.28	991.7	-3.2	.00	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	56.2	60.6	66.7	56.6	20.0	11.3	5.0	1.3	3.5
01:00	55.7	57.8	60.4	53.8	16.6	9.7	6.2	2.0	5.4
02:00	65.5	62.9	62.1	58.7	16.8	9.4	5.6	2.1	5.4
03:00	69.0	60.5	70.9	56.4	18.9	10.6	6.5	2.4	5.5
04:00	70.6	65.9	49.1	62.0	21.0	11.8	7.6	1.6	3.4
05:00	51.1	64.0	40.0	59.7	16.7	11.5	5.7	1.7	3.7
06:00	56.9	56.4	49.2	51.9	16.6	7.5	5.2	1.3	3.7
07:00	51.9	51.2	60.1	46.5	18.4	7.2	6.0	1.5	4.5
08:00	66.7	54.0	80.7	49.8	17.9	14.2	10.1	3.1	4.6
09:00	70.8	61.4	91.1	58.1	24.6	24.5	20.3	4.5	5.2
10:00	67.7	65.1	82.1	61.4	28.0	21.9	16.7	5.6	8.0
11:00	70.5	67.7	84.0	63.6	26.6	20.9	15.2	5.7	7.4
12:00	81.1	77.8	90.0	73.9	35.0	26.1	22.1	3.9	4.8
13:00	104.5	97.6	121.1	93.7	40.8	31.7	32.8	3.3	3.6
14:00	88.6	91.4	100.4	87.5	47.8	41.9	40.0	3.0	3.2
15:00	91.4	83.0	102.7	79.5	33.6	24.7	24.0	3.6	4.3
16:00	39.1	38.6	49.6	35.0	43.4	38.9	35.5	2.1	3.0
17:00	33.9	34.5	34.7	30.2	38.4	22.4	19.4	2.3	4.0
18:00	25.8	32.4	7.6	26.4	26.6	11.6	9.3	1.8	4.9
19:00	19.7	19.1	11.5	12.5	19.5	12.9	9.4	1.3	4.4
20:00	67.6	59.5	7.5	55.6	20.0	7.4	7.4	.7	1.9
21:00	66.3	63.3	345.8	60.2	22.7	10.4	10.1	.4	1.0
22:00	64.7	51.6	49.0	47.4	13.1	6.6	4.3	1.1	1.9
23:00	68.8	61.7	33.5	58.1	25.2	14.4	3.1	.6	1.4
Avg	62.0	59.0	58.0	55.0	25.3	17.1	13.6	.0	.0
Max	104.5	97.6	345.8	93.7	47.8	41.9	40.0	5.7	8.0
Hr. of Max	13	13	21	13	14	14	14	11	10
Min	19.7	19.1	7.5	12.5	13.1	6.6	3.1	.4	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	5.9	1.3	3.6	6.0	1.7	6.4	1.2	-1.3	.01
01:00	7.8	2.1	5.4	7.8	2.6	8.2	-4.3	-.3	-.27
02:00	7.8	2.2	5.5	7.9	2.7	8.3	-3.1	-1.7	-.21
03:00	7.5	2.5	5.6	7.6	2.9	8.0	-3.2	-1.3	-.23
04:00	5.1	1.7	3.5	5.1	2.1	5.5	-.4	-.5	-.06
05:00	5.7	1.8	3.8	5.8	2.3	6.2	-3.2	-1.1	-.18
06:00	4.9	1.4	3.8	5.0	1.7	5.4	-.7	-2.2	-.05
07:00	6.4	1.6	4.6	6.5	2.0	6.9	-.5	-1.4	-.07
08:00	7.0	3.2	4.7	7.1	3.7	7.6	-1.8	.4	-.11
09:00	6.4	4.8	5.7	6.7	5.7	7.4	2.1	6.9	.17
10:00	9.6	6.2	8.7	10.0	7.2	10.7	.5	4.4	-.09
11:00	9.1	6.2	7.8	9.5	6.9	10.1	-.5	-1.2	-.23
12:00	5.6	4.6	5.6	6.3	5.3	6.9	-1.8	-.9	-.24
13:00	3.7	3.8	4.0	4.1	4.7	4.9	-2.3	-1.8	-.16
14:00	3.6	3.6	3.7	4.1	4.4	5.0	4.8	.3	.24
15:00	4.8	4.3	4.9	5.5	5.2	6.2	4.2	3.4	.30
16:00	3.4	2.9	3.7	3.9	3.4	4.7	-3.6	.7	-.30
17:00	4.7	2.8	4.3	5.0	3.3	5.5	-2.5	.4	-.37
18:00	6.0	2.1	5.1	6.2	2.7	6.6	-4.2	-.4	-.31
19:00	6.4	1.4	4.7	6.5	1.9	6.9	-1.6	2.5	-.08
20:00	3.6	.8	1.9	3.6	1.2	4.0	-.4	.3	-.02
21:00	1.7	.6	1.0	1.7	1.0	2.1	1.1	.6	.00
22:00	3.2	1.1	1.9	3.3	1.4	3.6	2.8	.5	.04
23:00	4.3	.6	1.4	4.3	1.1	4.7	1.9	.7	.03
Avg	.0	2.7	4.4	5.8	3.2	6.3	-.6	.3	-.09
Max	9.6	6.2	8.7	10.0	7.2	10.7	4.8	6.9	.30
Hr. of Max	10	11	10	10	10	10	14	09	15
Min	1.7	.6	1.0	1.7	1.0	2.1	-4.3	-2.2	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2014

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	-.14	3.2	7.1	11.2	4.8	9.5	10.7	3.3
01:00	-.10	5.3	9.6	13.7	7.3	13.3	12.2	4.8
02:00	-.26	6.4	11.0	14.0	7.3	13.3	11.7	3.3
03:00	-.19	5.5	17.4	22.4	7.1	13.7	14.5	4.1
04:00	-.06	4.1	10.8	12.1	4.5	9.4	8.9	4.7
05:00	-.14	4.4	7.3	9.8	5.0	8.8	9.3	3.5
06:00	-.21	3.0	6.6	8.0	3.7	8.9	10.9	3.1
07:00	-.20	5.7	9.4	11.0	5.3	9.8	11.5	2.9
08:00	.00	8.2	12.4	15.6	8.9	15.3	13.9	7.6
09:00	.70	11.9	13.7	14.0	11.9	16.7	16.2	16.4
10:00	.53	18.3	18.8	17.9	18.9	19.6	19.7	14.7
11:00	-.33	16.7	17.6	19.9	16.7	16.4	18.0	12.1
12:00	-.07	12.6	14.2	16.5	13.1	14.0	20.7	18.1
13:00	.00	9.8	9.8	11.0	12.4	13.4	23.5	28.0
14:00	.12	12.4	14.4	11.9	13.0	13.1	26.5	30.0
15:00	.34	13.3	14.2	15.6	14.2	14.0	20.0	21.8
16:00	-.13	9.2	11.0	11.7	11.7	11.6	26.5	27.1
17:00	-.04	7.8	9.2	9.8	9.8	10.9	24.9	16.1
18:00	-.08	7.6	11.9	11.7	7.9	10.6	16.5	6.2
19:00	.26	6.2	8.9	15.1	5.3	10.7	12.6	4.9
20:00	.01	3.2	7.1	6.0	2.8	6.3	7.7	3.5
21:00	.03	2.3	2.3	4.8	2.7	3.6	6.1	4.5
22:00	.05	2.5	3.4	5.5	2.8	6.0	7.6	3.2
23:00	.04	2.5	2.7	9.6	3.0	7.0	8.5	2.3
Avg	.01	7.6	10.5	12.5	8.3	11.5	14.9	10.3
Max	.70	18.3	18.8	22.4	18.9	19.6	26.5	30.0
Hr. of Max	09	10	10	03	10	10	16	14
Min	-.33	2.3	2.3	4.8	2.7	3.6	6.1	2.3
Count	24	24	24	24	24	24	24	24
Total								