Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	1.1	1.4	3.1	4.1	.26	1.93	3.02	1.67	2.77
01:00	1.7	1.8	2.9	4.1	.12	1.17	2.36	1.05	2.24
02:00	2.4	2.7	3.4	4.2	.30	1.07	1.86	.77	1.56
03:00	2.9	3.6	3.9	4.1	.68	.98	1.17	.31	.50
04:00	3.0	3.8	3.7	4.1	.78	.78	1.11	-.01	.33
05:00	3.1	3.7	3.8	3.9	.60	.68	.76	.08	.16
06:00	3.5	4.0	4.0	4.1	.52	.47	.57	-.05	.04
07:00	3.7	4.1	4.1	4.1	.41	.40	.42	-.01	.00
08:00	3.5	3.7	3.9	4.0	.16	.36	.49	.21	.33
09:00	3.7	3.7	3.6	3.5	-.02	-.13	-.15	-.11	-.13
10:00	4.0	3.8	3.6	3.5	-.21	-.41	-.52	-.20	-.31
11:00	4.3	4.1	3.9	3.8	-.24	-.46	-.58	-.22	-.35
12:00	4.0	3.8	3.6	3.5	-.21	-.42	-.49	-.21	-.28
13:00	3.8	3.5	3.3	3.3	-.23	-.42	-.49	-.19	-.26
14:00	4.0	3.8	3.6	3.5	-.18	-.37	-.47	-.19	-.29
15:00	4.3	4.2	4.0	3.9	-.15	-.36	-.47	-.21	-.32
16:00	4.2	4.1	3.9	3.8	-.11	-.28	-.36	-.17	-.25
17:00	4.1	4.0	3.8	3.7	-.07	-.25	-.34	-.18	-.27
18:00	3.8	3.7	3.6	3.5	-.07	-.21	-.28	-.14	-.21
19:00	3.9	3.8	3.7	3.7	-.11	-.24	-.29	-.13	-.18
20:00	4.2	4.1	3.9	3.9	-.09	-.26	-.31	-.17	-.22
21:00	4.2	4.1	3.9	3.8	-.12	-.29	-.35	-.17	-.23
22:00	4.2	4.1	3.9	3.9	-.12	-.28	-.33	-.17	-.21
23:00	4.3	4.2	4.0	4.0	-.09	-.25	-.29	-.16	-.19
Avg	3.6	3.7	3.7	3.8	.08	.13	.25	.06	.18
Max	4.3	4.2	4.1	4.2	.78	1.93	3.02	1.67	2.77
Hr. of Max	23	23	07	02	04	00	00	00	00
Min	1.1	1.4	2.9	3.3	-.24	-.46	-.58	-.22	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	-3.1	-4.2	-1.7	6.9	73.7	66.8	3.8	3.5	0.00306
01:00	-2.5	-3.1	-1.1	6.9	74.0	70.0	4.0	3.8	0.003211
02:00	-2.1	-3.2	-.6	6.9	72.8	65.9	4.1	3.8	0.003302
03:00	-1.4	-3.0	.1	6.9	74.2	63.0	4.4	3.9	0.003491
04:00	-1.1	-3.0	.3	7.0	75.2	61.8	4.4	3.8	0.003561
05:00	-1.1	-2.9	.3	7.0	74.5	62.3	4.4	3.9	0.003573
06:00	-1.0	-2.5	.5	7.0	72.9	63.2	4.5	4.0	0.003586
07:00	-.5	-1.9	.9	7.1	74.8	65.2	4.6	4.2	0.003736
08:00	1.4	.3	2.1	7.1	87.0	79.6	5.3	4.9	0.00428
09:00	2.0	1.3	2.6	7.2	89.3	85.3	5.5	5.3	0.004454
10:00	1.3	.8	2.2	7.2	83.4	81.5	5.3	5.1	0.004254
11:00	1.6	1.2	2.5	7.3	83.1	82.1	5.4	5.2	0.004345
12:00	2.1	1.8	2.8	7.5	88.2	87.4	5.6	5.4	0.004504
13:00	2.2	2.0	2.7	7.7	90.5	90.1	5.6	5.5	0.004546
14:00	2.7	2.6	3.1	7.8	91.7	92.1	5.8	5.8	0.004694
15:00	2.9	2.8	3.4	7.8	91.1	91.4	5.9	5.8	0.004771
16:00	3.0	2.8	3.4	7.9	92.5	91.9	5.9	5.8	0.004804
17:00	2.9	2.7	3.3	7.9	92.7	92.1	5.9	5.8	0.00478
18:00	2.7	2.6	3.1	7.9	93.4	93.0	5.8	5.8	0.00473
19:00	2.9	2.7	3.2	7.9	93.6	92.9	5.9	5.8	0.004791
20:00	3.1	3.0	3.5	7.8	93.7	93.4	6.0	5.9	0.00488
21:00	3.3	3.2	3.6	7.8	94.5	94.5	6.0	6.0	0.004929
22:00	3.4	3.2	3.6	7.8	94.9	94.9	6.1	6.0	0.004963
23:00	3.4	3.3	3.7	7.8	94.7	94.9	6.1	6.1	0.004987
Avg	1.2	.5	2.0	7.4	85.3	81.5	5.3	5.0	0.00426
Max	3.4	3.3	3.7	7.9	94.9	94.9	6.1	6.1	0.004987
Hr. of Max	23	23	23	19	22	23	23	23	23
Min	-3.1	-4.2	-1.7	6.9	72.8	61.8	3.8	3.5	0.00306
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	0.002825	4.9	4.5	.00	29.33	993.3	-2.2	.00	227.3
01:00	0.003059	5.1	4.9	.00	29.33	993.2	-2.3	.00	230.5
02:00	0.003054	5.2	4.9	.00	29.33	993.2	-2.6	.00	188.2
03:00	0.003107	5.5	4.9	.00	29.33	993.1	-2.0	.00	30.9
04:00	0.003094	5.7	4.9	.00	29.32	992.9	-2.1	.00	33.6
05:00	0.003118	5.7	5.0	.00	29.32	992.8	-2.3	.00	340.3
06:00	0.003224	5.7	5.1	.00	29.31	992.7	-2.4	.00	16.6
07:00	0.003352	5.9	5.3	.00	29.31	992.6	4.6	.01	16.9
08:00	0.003953	6.8	6.3	.00	29.32	992.9	26.4	.04	335.9
09:00	0.004247	7.1	6.7	.03	29.31	992.8	53.8	.08	33.8
10:00	0.004095	6.7	6.5	.01	29.31	992.7	133.2	.19	57.3
11:00	0.00422	6.9	6.7	.00	29.28	991.6	113.5	.16	54.6
12:00	0.004398	7.1	7.0	.08	29.27	991.4	67.1	.10	206.8
13:00	0.004457	7.2	7.0	.05	29.25	990.5	71.5	.10	215.8
14:00	0.004656	7.4	7.4	.06	29.23	989.7	53.1	.08	185.6
15:00	0.004737	7.5	7.5	.03	29.20	988.8	44.9	.06	150.3
16:00	0.004733	7.6	7.5	.01	29.16	987.5	15.8	.02	58.7
17:00	0.004726	7.5	7.4	.02	29.13	986.4	.3	.00	86.5
18:00	0.004688	7.4	7.4	.00	29.09	985.3	-2.4	.00	49.6
19:00	0.004722	7.5	7.4	.00	29.08	984.7	-2.1	.00	50.8
20:00	0.004835	7.7	7.6	.02	29.06	984.1	-2.2	.00	94.6
21:00	0.004889	7.7	7.7	.01	29.04	983.3	-2.1	.00	300.6
22:00	0.004923	7.8	7.7	.01	29.01	982.4	-3.4	.00	241.7
23:00	0.004961	7.8	7.8	.11	28.99	981.8	-2.0	.00	180.7
Avg	0.004086	6.7	6.5	.02	29.22	989.6	23.1	.04	55.0
Max	0.004961	7.8	7.8	.11	29.33	993.3	133.2	.19	340.3
Hr. of Max	23	23	23	23	03	00	10	10	05
Min	0.002825	4.9	4.5	.00	28.99	981.8	-3.4	.00	16.6
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	236.9	250.5	227.6	252.4	42.3	13.1	8.3	1.3	3.6
01:00	224.8	252.5	235.5	254.5	16.2	6.5	6.9	2.1	4.4
02:00	207.3	267.2	231.7	269.2	42.1	33.2	16.5	.3	1.2
03:00	67.7	85.6	33.4	83.4	22.1	14.1	35.4	.9	1.7
04:00	63.1	81.9	38.5	79.7	63.9	34.3	23.0	.3	.7
05:00	51.5	70.1	339.0	68.5	46.2	21.5	19.5	.2	.8
06:00	53.1	73.3	18.5	71.5	36.4	17.0	9.3	.6	1.2
07:00	42.6	74.2	12.1	72.3	63.4	32.3	23.9	.3	.9
08:00	16.7	39.5	335.0	35.8	37.5	29.8	22.8	.6	1.1
09:00	37.6	36.9	34.5	33.0	26.1	15.1	12.3	1.2	2.1
10:00	54.9	46.1	60.9	42.7	28.6	27.9	23.6	1.2	1.2
11:00	64.0	59.7	62.8	53.3	49.3	47.3	48.1	.8	1.3
12:00	224.8	235.3	214.9	237.7	34.8	32.8	33.7	1.5	1.8
13:00	225.0	207.5	228.3	213.7	33.9	30.5	26.6	.8	1.0
14:00	169.1	163.7	201.4	164.9	59.8	42.3	28.6	.2	.3
15:00	159.6	158.8	160.5	159.4	30.7	42.6	27.9	.8	1.0
16:00	68.7	64.7	60.8	61.6	34.0	34.5	32.2	2.1	3.4
17:00	87.6	83.5	91.1	80.7	28.9	22.5	18.4	3.1	4.7
18:00	52.3	54.5	48.9	51.8	32.8	19.7	13.1	2.3	4.7
19:00	46.9	47.7	53.8	44.4	34.4	17.6	9.5	1.1	2.9
20:00	60.7	61.1	109.1	57.5	58.3	58.1	52.5	.4	.8
21:00	331.3	354.7	280.6	354.0	43.3	42.9	51.5	.4	.4
22:00	301.3	335.8	252.3	327.1	45.8	44.1	53.5	.3	.7
23:00	178.1	158.3	202.0	164.5	59.4	49.2	42.8	.4	.5
Avg	68.0	69.0	35.0	63.0	40.4	30.4	26.7	.0	.0
Max	331.3	354.7	339.0	354.0	63.9	58.1	53.5	3.1	4.7
Hr. of Max	21	21	05	21	04	20	22	17	18
Min	16.7	36.9	12.1	33.0	16.2	6.5	6.9	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	5.4	1.4	3.7	5.4	1.9	6.0	2.3	2.4	.05
01:00	4.7	2.2	4.5	4.7	2.6	5.3	1.1	2.1	.03
02:00	3.1	.7	1.6	3.2	1.1	3.7	2.1	2.8	.05
03:00	1.4	1.1	2.0	1.6	1.5	2.2	.7	-.2	-.01
04:00	1.0	.5	.9	1.1	1.0	1.7	2.9	2.0	.05
05:00	1.1	.4	.9	1.2	.7	1.8	1.9	.5	.03
06:00	1.8	.7	1.3	1.9	1.1	2.4	-1.7	.0	-.06
07:00	1.1	.5	1.1	1.3	1.0	1.9	.0	-.9	-.02
08:00	1.0	.8	1.3	1.2	1.2	1.8	.4	1.0	.00
09:00	2.4	1.4	2.4	2.8	1.8	3.4	.2	-1.4	-.08
10:00	1.4	1.7	2.0	2.2	2.3	2.9	-1.0	.8	-.02
11:00	1.3	1.1	1.5	1.4	1.6	2.1	10.9	7.2	.23
12:00	1.8	1.7	1.9	1.8	2.3	2.5	1.0	.4	.00
13:00	.9	1.0	1.1	1.0	1.6	1.8	-3.2	-3.1	-.09
14:00	.6	.4	.5	.8	1.1	1.5	-2.0	1.7	-.03
15:00	1.3	1.0	1.2	1.4	1.7	2.2	-.3	-2.0	.04
16:00	4.0	2.7	4.3	4.8	3.2	5.4	1.6	-.4	.00
17:00	5.5	3.5	5.1	5.8	4.1	6.4	3.6	4.0	.17
18:00	6.1	2.7	4.9	6.3	3.1	7.0	-1.6	.7	-.24
19:00	4.0	1.2	3.0	4.1	1.7	4.7	-.5	-1.9	-.07
20:00	1.2	.6	1.0	1.3	1.2	1.9	2.4	4.2	.02
21:00	.3	.6	1.0	.8	1.3	1.4	-1.4	1.6	-.03
22:00	.9	1.0	1.3	1.3	1.6	1.9	1.8	.2	.02
23:00	.3	1.1	1.4	1.1	1.7	1.8	.5	-.4	.02
Avg	.0	1.3	2.1	2.4	1.8	3.1	.9	.9	.00
Max	6.1	3.5	5.1	6.3	4.1	7.0	10.9	7.2	.23
Hr. of Max	18	17	17	18	17	18	11	11	11
Min	.3	.4	.5	.8	.7	1.4	-3.2	-3.1	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/17/2014 09:58

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/16/2014

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	.22	4.8	7.3	10.3	5.8	11.0	10.5	5.1
01:00	.18	4.1	9.6	8.2	5.7	9.0	8.3	4.7
02:00	.15	3.2	8.2	14.4	3.6	11.4	10.4	10.2
03:00	-.03	2.7	4.1	3.9	3.2	4.5	9.3	11.2
04:00	.05	2.7	3.7	5.5	2.6	3.3	9.9	11.6
05:00	.04	1.8	2.3	2.7	2.1	3.4	8.9	9.3
06:00	-.01	3.0	3.4	3.7	3.9	4.3	8.0	4.7
07:00	-.02	2.5	3.0	3.2	2.9	3.9	8.9	8.1
08:00	.02	2.7	3.4	3.2	3.1	3.8	14.2	10.2
09:00	-.11	3.9	5.0	5.3	4.4	5.7	17.1	6.9
10:00	.06	5.3	5.3	9.4	6.0	6.1	20.7	17.5
11:00	.23	4.1	4.8	7.8	4.7	5.6	28.6	26.1
12:00	-.03	4.8	5.5	4.6	5.8	5.8	14.9	15.2
13:00	-.06	6.4	6.9	6.0	4.3	4.3	18.5	16.4
14:00	.02	3.9	3.4	3.2	4.1	3.6	21.4	22.3
15:00	-.02	4.8	3.9	4.6	5.1	5.8	22.3	17.9
16:00	-.07	8.5	9.2	11.0	9.7	12.1	20.9	10.5
17:00	.34	8.9	11.4	11.9	12.2	13.0	15.8	10.1
18:00	-.02	9.2	10.8	14.0	9.2	13.2	22.3	10.0
19:00	-.20	3.7	6.6	7.1	5.8	8.3	20.2	7.5
20:00	.10	3.4	3.7	4.8	4.1	5.3	18.2	15.1
21:00	.03	3.2	3.4	3.0	3.7	3.6	15.3	12.8
22:00	-.01	3.7	4.4	4.1	4.0	4.5	13.9	11.6
23:00	.00	3.4	3.7	4.6	3.9	3.9	13.7	10.7
Avg	.04	4.4	5.5	6.5	5.0	6.5	15.5	11.9
Max	.34	9.2	11.4	14.4	12.2	13.2	28.6	26.1
Hr. of Max	17	18	17	02	17	18	11	11
Min	-.20	1.8	2.3	2.7	2.1	3.3	8.0	4.7
Count	24	24	24	24	24	24	24	24
Total								