Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	11.0	12.7	13.1	14.3	1.71	2.13	3.30	.43	1.59
01:00	10.5	11.9	12.5	13.5	1.46	2.00	3.03	.53	1.56
02:00	9.9	11.5	12.1	13.0	1.60	2.13	3.08	.53	1.48
03:00	9.8	11.2	11.6	12.3	1.33	1.72	2.50	.40	1.17
04:00	9.5	11.0	11.3	12.1	1.49	1.75	2.59	.26	1.10
05:00	9.0	10.6	10.9	11.7	1.57	1.88	2.62	.31	1.05
06:00	8.9	10.4	10.6	11.1	1.52	1.73	2.19	.21	.67
07:00	8.9	10.1	10.3	10.7	1.21	1.41	1.79	.20	.58
08:00	9.6	10.2	10.3	10.7	.59	.70	1.07	.11	.48
09:00	12.4	12.1	12.0	12.1	-.36	-.47	-.31	-.12	.05
10:00	15.6	15.1	14.8	14.8	-.59	-.83	-.84	-.24	-.24
11:00	19.1	18.3	18.1	18.0	-.84	-1.08	-1.14	-.24	-.30
12:00	22.1	21.2	20.9	20.9	-.95	-1.23	-1.29	-.28	-.33
13:00	24.1	23.0	22.8	22.7	-1.03	-1.27	-1.33	-.24	-.30
14:00	25.2	24.3	24.0	23.9	-.91	-1.21	-1.32	-.30	-.41
15:00	26.1	25.4	25.1	25.0	-.70	-.97	-1.08	-.27	-.39
16:00	27.0	26.3	26.0	25.9	-.65	-.96	-1.07	-.31	-.43
17:00	24.7	25.4	25.5	25.6	.68	.79	.88	.12	.21
18:00	21.2	22.8	23.7	24.1	1.59	2.48	2.89	.89	1.30
19:00	18.4	20.6	21.3	22.3	2.25	2.92	3.98	.67	1.73
20:00	16.7	18.8	19.4	20.6	2.06	2.63	3.87	.57	1.81
21:00	15.6	17.5	18.3	20.5	1.90	2.73	4.93	.83	3.03
22:00	14.9	16.5	17.4	19.5	1.64	2.49	4.56	.85	2.92
23:00	14.2	15.9	16.7	19.4	1.70	2.51	5.24	.81	3.54
Avg	16.0	16.8	17.0	17.7	.76	1.00	1.67	.24	.91
Max	27.0	26.3	26.0	25.9	2.25	2.92	5.24	.89	3.54
Hr. of Max	16	16	16	16	19	19	23	18	23
Min	8.9	10.1	10.3	10.7	-1.03	-1.27	-1.33	-.31	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	9.5	11.1	10.0	17.0	91.3	91.2	9.0	10.0	0.007579
01:00	9.1	10.8	9.5	16.8	92.0	94.2	8.8	9.9	0.007375
02:00	8.6	10.5	9.0	16.6	92.6	94.4	8.6	9.7	0.007146
03:00	8.6	10.1	9.0	16.4	93.1	94.3	8.6	9.4	0.007141
04:00	8.3	9.9	8.7	16.2	93.4	93.8	8.4	9.3	0.007008
05:00	7.9	9.6	8.3	16.0	93.4	94.4	8.2	9.1	0.006787
06:00	7.7	9.3	8.1	15.9	93.4	94.4	8.1	9.0	0.006707
07:00	7.8	9.0	8.2	15.7	93.8	94.1	8.1	8.8	0.00675
08:00	8.4	8.9	8.8	15.5	93.1	92.6	8.5	8.7	0.00703
09:00	10.2	9.7	11.0	15.4	87.5	86.6	9.5	9.2	0.007966
10:00	11.1	10.6	12.6	15.4	75.8	76.1	10.0	9.7	0.008474
11:00	12.1	11.6	14.5	15.6	64.9	66.0	10.5	10.2	0.009071
12:00	13.4	12.9	16.3	15.8	58.6	60.4	11.3	11.0	0.009877
13:00	14.3	14.1	17.5	16.1	55.6	58.6	12.0	11.9	0.010528
14:00	15.0	15.0	18.4	16.7	54.7	57.4	12.5	12.5	0.011068
15:00	14.9	14.8	18.6	17.4	51.4	53.0	12.4	12.3	0.011003
16:00	14.2	14.1	18.5	17.8	46.8	48.0	11.9	11.7	0.01054
17:00	15.2	14.6	18.4	18.1	57.3	52.5	12.7	12.1	0.011207
18:00	15.8	15.7	17.6	18.4	72.6	65.7	13.3	13.2	0.011589
19:00	15.1	15.8	16.2	18.5	83.1	75.3	12.8	13.3	0.011082
20:00	14.5	15.7	15.2	18.4	87.9	84.0	12.3	13.3	0.010596
21:00	13.9	15.5	14.5	18.3	91.3	89.5	12.0	13.1	0.010231
22:00	13.5	14.9	13.9	18.2	92.6	91.3	11.7	12.7	0.009923
23:00	12.9	14.7	13.3	18.0	93.3	94.6	11.2	12.6	0.009522
Avg	11.8	12.5	13.2	16.8	79.6	79.3	10.5	10.9	0.009008
Max	15.8	15.8	18.6	18.5	93.8	94.6	13.3	13.3	0.011589
Hr. of Max	18	19	15	19	07	23	18	20	18
Min	7.7	8.9	8.1	15.4	46.8	48.0	8.1	8.7	0.006707
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	0.00847	11.9	13.2	.00	29.10	985.6	-2.1	.00	346.5
01:00	0.008319	11.5	13.0	.00	29.10	985.6	-2.5	.00	306.6
02:00	0.008106	11.2	12.7	.00	29.11	985.7	-1.9	.00	64.4
03:00	0.007902	11.2	12.4	.00	29.11	986.0	-2.4	.00	50.6
04:00	0.007779	11.0	12.2	.00	29.12	986.0	-2.6	.00	85.4
05:00	0.007623	10.6	11.9	.00	29.13	986.5	-2.3	.00	66.4
06:00	0.007506	10.5	11.8	.00	29.15	987.2	-2.0	.00	76.6
07:00	0.007344	10.6	11.5	.00	29.17	987.8	-1.5	.00	66.6
08:00	0.007275	11.0	11.4	.00	29.18	988.2	67.7	.10	77.7
09:00	0.007692	12.5	12.1	.00	29.20	988.9	257.6	.37	100.5
10:00	0.008195	13.3	12.9	.00	29.20	988.9	442.0	.63	107.8
11:00	0.008755	14.2	13.7	.00	29.19	988.6	571.2	.82	137.9
12:00	0.009592	15.4	15.0	.00	29.17	987.9	657.5	.94	202.2
13:00	0.010423	16.4	16.3	.00	29.14	986.9	728.4	1.04	229.0
14:00	0.01101	17.2	17.1	.00	29.11	986.0	605.2	.87	193.9
15:00	0.010888	17.1	17.0	.00	29.10	985.3	436.2	.63	195.3
16:00	0.010403	16.4	16.2	.00	29.09	985.2	409.8	.59	211.3
17:00	0.010746	17.4	16.7	.00	29.10	985.4	108.3	.16	277.6
18:00	0.011551	18.0	18.0	.00	29.10	985.3	20.1	.03	340.7
19:00	0.011554	17.3	18.0	.00	29.11	985.7	-2.8	.00	27.2
20:00	0.011526	16.5	17.9	.00	29.12	986.0	-2.5	.00	38.9
21:00	0.01131	16.0	17.6	.00	29.12	986.1	-3.0	.00	42.3
22:00	0.010865	15.5	16.9	.00	29.13	986.4	-2.3	.00	43.6
23:00	0.010768	14.9	16.8	.00	29.13	986.5	-3.1	.00	297.9
Avg	0.0094	14.1	14.7	.00	29.13	986.6	178.0	.26	63.0
Max	0.011554	18.0	18.0	.00	29.20	988.9	728.4	1.04	346.5
Hr. of Max	19	18	19	23	10	10	13	13	00
Min	0.007275	10.5	11.4	.00	29.09	985.2	-3.1	.00	27.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	65.4	63.6	320.5	62.8	35.0	17.3	30.7	.2	.4
01:00	239.5	267.2	300.2	269.0	29.6	40.0	22.3	.3	.4
02:00	99.1	224.8	66.5	225.8	56.0	48.6	19.7	.2	.6
03:00	62.2	42.1	45.5	62.1	30.8	8.1	9.2	.5	1.5
04:00	65.3	53.9	82.2	50.0	45.5	16.4	5.8	.2	1.2
05:00	61.6	56.7	308.0	52.4	58.0	17.6	8.7	.2	.5
06:00	68.4	68.0	74.8	64.3	37.8	11.1	4.2	.0	.4
07:00	63.2	57.1	63.0	53.7	10.2	6.7	5.4	.4	1.5
08:00	59.4	50.8	78.5	46.9	16.7	9.0	3.8	.6	2.2
09:00	79.8	52.5	103.6	49.0	15.1	19.8	15.3	2.0	2.0
10:00	97.9	86.1	114.0	80.0	34.3	37.3	63.9	1.0	.9
11:00	156.8	173.1	141.7	172.1	35.1	34.2	36.5	1.8	1.9
12:00	221.8	220.1	209.8	221.4	46.2	46.1	37.9	2.0	2.6
13:00	239.8	238.3	236.8	240.5	33.8	27.0	25.0	3.2	4.0
14:00	205.0	201.0	200.4	203.1	37.6	29.1	22.9	3.5	4.5
15:00	204.4	203.0	199.0	204.5	45.0	35.1	28.6	2.7	3.6
16:00	224.0	226.7	216.2	227.6	44.7	39.4	34.6	2.4	3.2
17:00	227.7	229.5	278.6	230.9	16.8	16.4	13.5	1.0	1.5
18:00	56.4	81.6	340.5	78.5	43.9	27.9	17.5	.4	1.1
19:00	62.6	62.4	10.5	60.7	43.4	15.6	11.4	.3	.9
20:00	67.5	74.3	48.2	72.3	39.5	22.4	17.0	.6	1.2
21:00	33.7	306.5	44.4	310.0	39.7	21.5	29.4	.2	.8
22:00	83.9	207.5	27.0	206.9	32.4	34.6	33.5	.2	.8
23:00	342.7	252.4	287.5	253.6	64.7	61.1	18.0	.2	.1
Avg	87.0	116.0	42.0	108.0	37.2	26.8	21.5	.0	.0
Max	342.7	306.5	340.5	310.0	64.7	61.1	63.9	3.5	4.5
Hr. of Max	23	21	18	21	23	23	10	14	14
Min	33.7	42.1	10.5	46.9	10.2	6.7	3.8	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	.4	.3	.7	.5	.8	1.0	3.0	-.6	.04
01:00	.8	.5	.6	1.1	.9	1.5	1.9	.5	.03
02:00	.4	.3	.7	1.1	.6	1.4	2.5	.9	.03
03:00	1.6	.5	1.5	1.6	.9	1.9	2.3	.9	.04
04:00	2.8	.3	1.2	2.8	.8	3.2	2.7	-.4	.04
05:00	1.9	.2	.5	1.9	.5	2.3	2.1	.2	.03
06:00	2.5	.0	.4	2.5	.4	2.9	4.2	-.6	.05
07:00	3.5	.4	1.5	3.5	.9	3.9	2.6	-.1	.04
08:00	4.1	.6	2.2	4.1	1.1	4.5	3.2	-.6	.06
09:00	2.7	2.0	2.2	2.7	2.6	3.1	4.4	1.0	.21
10:00	.5	1.1	1.0	.7	1.9	1.4	-2.1	-17.7	.03
11:00	2.0	2.1	2.2	2.3	2.9	2.9	-.2	-8.8	.01
12:00	3.0	2.7	3.2	3.4	3.5	4.1	-1.8	-4.2	-.19
13:00	4.2	3.8	4.5	4.7	4.4	5.4	-4.4	-9.9	-.34
14:00	5.1	4.2	5.1	5.6	4.8	6.2	-2.4	-2.7	-.25
15:00	4.4	3.6	4.3	5.0	4.2	5.5	5.3	3.8	.27
16:00	3.8	3.1	3.7	4.2	3.7	4.9	4.7	8.1	.17
17:00	2.4	1.2	1.6	2.6	1.5	2.9	-1.1	.0	-.07
18:00	1.1	.4	1.3	1.4	.8	1.8	2.7	.4	.04
19:00	1.2	.3	.9	1.3	.6	1.6	1.1	-1.5	.02
20:00	1.5	.8	1.3	1.6	1.1	2.0	3.8	.0	.07
21:00	.2	.2	.9	1.0	.6	1.4	2.3	.3	.03
22:00	1.1	1.3	1.8	1.9	1.7	2.2	1.4	.6	.04
23:00	1.5	.4	.4	1.7	.7	2.0	1.3	.6	.01
Avg	.0	1.3	1.8	2.5	1.7	2.9	1.6	-1.2	.02
Max	5.1	4.2	5.1	5.6	4.8	6.2	5.3	8.1	.27
Hr. of Max	14	14	14	14	14	14	15	16	15
Min	.2	.0	.4	.5	.4	1.0	-4.4	-17.7	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2014

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	-.01	1.4	1.8	1.6	1.9	1.9	6.4	4.2
01:00	.02	2.3	2.3	2.3	3.0	2.7	5.2	5.8
02:00	.01	2.1	2.5	3.0	2.2	2.9	6.6	3.8
03:00	.05	2.1	3.2	4.1	2.4	4.6	6.4	2.4
04:00	-.01	3.7	4.8	6.4	2.5	5.2	6.8	2.6
05:00	.01	1.6	1.6	5.0	1.8	3.4	6.2	3.0
06:00	-.03	.9	1.4	4.1	1.3	3.9	6.9	2.5
07:00	.00	1.6	3.0	5.3	1.9	5.4	7.1	2.6
08:00	-.06	2.3	4.6	6.9	2.2	6.7	11.1	3.3
09:00	.02	3.9	5.0	7.8	4.7	5.3	12.8	11.9
10:00	-.44	4.1	4.1	3.9	5.1	3.9	29.4	30.7
11:00	-.45	5.7	6.2	6.6	6.9	7.0	26.2	26.8
12:00	-.43	8.9	8.5	8.9	8.6	11.1	24.1	25.0
13:00	-.88	11.4	12.1	13.5	17.9	14.7	22.6	21.6
14:00	-.38	16.5	16.7	18.8	11.6	12.5	21.0	20.9
15:00	.19	8.7	10.8	10.3	9.8	11.6	19.9	18.6
16:00	.47	13.1	15.8	14.4	13.7	16.5	23.0	24.7
17:00	-.05	5.7	6.0	6.9	5.8	7.8	12.5	9.1
18:00	.00	1.6	2.7	2.7	2.0	3.0	11.0	6.9
19:00	-.04	1.8	2.5	2.5	2.2	2.7	7.6	5.5
20:00	.02	2.5	3.4	3.9	2.9	4.1	11.4	11.3
21:00	.02	3.4	6.4	5.5	2.2	4.1	8.1	15.2
22:00	.04	3.2	3.7	3.9	3.4	4.6	6.9	5.1
23:00	.03	3.4	4.4	4.8	3.0	5.0	8.2	7.1
Avg	-.08	4.7	5.6	6.4	5.0	6.3	12.8	11.3
Max	.47	16.5	16.7	18.8	17.9	16.5	29.4	30.7
Hr. of Max	16	14	14	14	13	16	10	10
Min	-.88	.9	1.4	1.6	1.3	1.9	5.2	2.4
Count	24	24	24	24	24	24	24	24
Total								