Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	14.0	15.4	15.9	16.8	1.40	1.88	2.82	.47	1.42
01:00	13.3	14.7	15.2	16.0	1.40	1.84	2.66	.44	1.26
02:00	12.8	14.3	14.6	15.3	1.48	1.81	2.48	.33	1.00
03:00	12.2	13.8	14.3	14.8	1.62	2.04	2.58	.42	.96
04:00	11.8	13.3	13.7	14.2	1.53	1.87	2.40	.33	.86
05:00	12.3	13.0	13.0	13.3	.76	.77	1.05	.00	.29
06:00	12.6	12.9	13.0	13.2	.31	.35	.61	.04	.30
07:00	12.0	12.7	12.7	13.1	.61	.66	1.08	.05	.47
08:00	13.4 P	13.2 P	13.0 P	13.1 P	P	P	P	P	P
09:00	15.6	15.0	14.7	14.8	-.60	-.99	-.83	-.39	-.24
10:00	18.7	18.1	17.4	17.3	-.62	-1.33	-1.42	-.71	-.80
11:00	21.8	20.8	20.5	20.3	-.99	-1.32	-1.48	-.32	-.49
12:00	23.8	23.0	22.6	22.4	-.85	-1.20	-1.42	-.35	-.56
13:00	24.4	23.6	23.3	23.2	-.75	-1.07	-1.21	-.32	-.46
14:00	24.8	24.1	23.8	23.6	-.73	-1.06	-1.21	-.33	-.48
15:00	25.1	24.5	24.1	24.0	-.68	-1.00	-1.16	-.32	-.48
16:00	25.0	24.5	24.2	24.1	-.46	-.74	-.87	-.28	-.40
17:00	24.8	24.4	24.1	24.1	-.40	-.64	-.68	-.24	-.28
18:00	24.0	24.0	24.0	24.0	.00	-.08	-.04	-.09	-.05
19:00	20.8	21.5	22.9	23.3	.74	2.12	2.55	1.38	1.81
20:00	18.0	19.6	20.6	21.5	1.67	2.65	3.52	.98	1.85
21:00	16.5	18.3	19.0	19.7	1.75	2.45	3.18	.71	1.44
22:00	15.7	17.3	17.6	18.2	1.55	1.87	2.52	.32	.97
23:00	15.0	16.3	16.7	17.2	1.32	1.71	2.22	.39	.90
Avg	17.9	18.3	18.4	18.6	.44	.55	.84	.11	.40
Max	25.1	24.5	24.2	24.1	1.75	2.65	3.52	1.38	1.85
Hr. of Max	15	16	16	17	21	20	20	19	20
Min	11.8	12.7	12.7	13.1	-.99	-1.33	-1.48	-.71	-.80
Count	24	24	24	24	23	23	23	23	23
Total									

Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	12.6	14.0	13.1	22.2	92.6	92.6	11.0	12.0	0.00928
01:00	12.0	13.6	12.4	22.1	92.9	94.5	10.6	11.8	0.008896
02:00	11.5	13.3	11.9	22.0	93.4	95.6	10.3	11.6	0.008628
03:00	11.0	13.0	11.4	21.9	93.6	96.0	10.0	11.3	0.008337
04:00	10.7	12.5	11.1	21.7	94.2	96.2	9.8	11.0	0.008161
05:00	11.3	12.2	11.6	21.6	95.1	96.0	10.2	10.8	0.008488
06:00	11.8	12.2	12.1	21.5	96.3	96.9	10.5	10.8	0.0088
07:00	11.2	11.9	11.5	21.3	96.0	96.3	10.1	10.6	0.008441
08:00	P	P	P	21.2 P	94.4 P	95.1 P	P	P	P
09:00	13.6	13.1	14.3	21.1	88.9	89.5	11.7	11.3	0.009869
10:00	14.1	13.4	15.6	21.0	75.7	75.5	12.0	11.5	0.010214
11:00	13.7	13.0	16.4	21.0	61.3	62.4	11.6	11.1	0.009993
12:00	12.1	11.5	16.0	21.2	49.0	49.6	10.4	10.0	0.00906
13:00	11.4	10.5	15.7	21.4	45.2	44.5	9.9	9.4	0.008645
14:00	11.5	10.9	16.0	21.6	44.4	44.5	10.0	9.6	0.008733
15:00	12.0	11.2	16.4	21.7	44.8	44.4	10.3	9.8	0.008989
16:00	12.9	12.0	16.9	21.9	48.0	46.7	10.9	10.3	0.00954
17:00	13.9	13.2	17.5	22.0	52.1	51.0	11.7	11.2	0.010215
18:00	15.2	14.1	18.1	22.2	59.1	55.1	12.7	11.9	0.011081
19:00	16.0	15.3	17.6	22.3	75.7	69.3	13.5	12.9	0.011649
20:00	14.8	14.7	15.9	22.4	83.3	74.4	12.6	12.4	0.010776
21:00	14.4	15.1	15.1	22.4	88.6	83.4	12.3	12.8	0.010444
22:00	14.0	15.1	14.6	22.3	91.2	88.8	12.0	12.9	0.010213
23:00	13.5	14.9	14.0	22.3	92.6	93.4	11.7	12.7	0.009887
Avg	12.8	13.1	14.6	21.8	77.0	76.3	11.1	11.3	0.009493
Max	16.0	15.3	18.1	22.4	96.3	96.9	13.5	12.9	0.011649
Hr. of Max	19	19	18	21	06	06	19	22	19
Min	10.7	10.5	11.1	21.0	44.4	44.4	9.8	9.4	0.008161
Count	23	23	23	24	24	24	23	23	23
Total									

Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	0.010152	14.6	16.0	.00	29.40	995.7	-1.7	.00	298.3
01:00	0.00991	14.0	15.6	.00	29.40	995.6	-1.1	.00	271.3
02:00	0.009736	13.6	15.3	.00	29.40	995.5	-2.3	.00	333.2
03:00	0.00951	13.2	15.0	.00	29.39	995.5	-2.0	.00	321.1
04:00	0.009218	12.9	14.5	.00	29.40	995.5	-3.3	.00	35.4
05:00	0.009009	13.4	14.2	.00	29.41	995.8	-2.8	.00	65.6
06:00	0.009033	13.9	14.3	.00	29.42	996.3	-3.4	.00	51.9
07:00	0.008812	13.3	13.9	.00	29.43	996.8	26.7	.04	72.3
08:00	P	P	P	.00 P	29.45 P	997.3 P	157.7 P	.23 P	60.0 P
09:00	0.009555	15.6	15.1	.00	29.46	997.6	320.0	.46	85.1
10:00	0.009789	16.1	15.5	.00	29.46	997.6	591.1	.85	86.2
11:00	0.009568	15.8	15.1	.00	29.45	997.2	772.5	1.11	90.3
12:00	0.008691	14.3	13.7	.00	29.43	996.6	711.5	1.02	87.1
13:00	0.008132	13.7	12.9	.00	29.41	996.0	599.8	.86	109.6
14:00	0.008378	13.8	13.2	.00	29.38	995.1	619.9	.89	79.6
15:00	0.008558	14.2	13.5	.00	29.36	994.2	606.9	.87	115.0
16:00	0.009019	15.0	14.2	.00	29.34	993.5	370.6	.53	125.1
17:00	0.009773	16.0	15.4	.00	29.32	993.1	261.5	.37	237.8
18:00	0.010355	17.4	16.3	.00	29.32	992.8	205.3	.29	282.5
19:00	0.011163	18.2	17.5	.00	29.31	992.5	33.2	.05	309.2
20:00	0.010681	16.9	16.8	.00	29.31	992.7	-1.6	.00	306.8
21:00	0.010971	16.4	17.2	.00	29.32	992.9	-2.7	.00	327.6
22:00	0.010981	16.0	17.2	.00	29.32	992.9	-3.6	-.01	7.4
23:00	0.010851	15.5	17.0	.00	29.32	992.9	-2.2	.00	307.9
Avg	0.009645	14.9	15.2	.00	29.38	995.1	218.8	.32	30.0
Max	0.011163	18.2	17.5	.00	29.46	997.6	772.5	1.11	333.2
Hr. of Max	19	19	19	23	10	10	11	11	02
Min	0.008132	12.9	12.9	.00	29.31	992.5	-3.6	-.01	7.4
Count	23	23	23	24	24	24	24	24	24
Total									

Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	59.2	31.1	292.8	40.6	41.6	13.4	27.2	.1	1.2
01:00	194.7	234.5	270.5	226.4	17.5	25.4	42.7	1.0	1.3
02:00	106.7	1.1	287.1	344.7	37.2	31.4	36.2	.2	.5
03:00	69.9	246.5	302.9	230.7	58.9	19.3	48.8	.2	.2
04:00	65.0	60.6	33.3	58.5	40.1	12.1	26.1	.6	1.5
05:00	63.4	57.1	68.7	53.1	18.9	11.3	6.2	1.1	2.8
06:00	69.7	59.2	53.4	55.1	19.6	10.5	7.1	1.0	2.2
07:00	72.2	62.0	75.2	58.3	14.4	10.1	5.7	1.5	2.6
08:00	62.4 P	64.6 P	54.6 P	60.6 P	43.5 P	15.5 P	8.4 P	1.6 P	2.9 P
09:00	77.7	66.2	87.4	63.5	24.9	21.3	21.2	2.6	2.9
10:00	73.6	61.8	88.8	59.7	22.3	25.4	24.5	4.1	3.8
11:00	80.1	71.8	90.2	68.1	24.3	21.7	19.9	4.4	4.9
12:00	84.3	81.1	89.2	77.3	40.7	33.5	27.3	2.9	3.4
13:00	107.0	104.1	112.8	101.4	46.1	36.3	29.5	2.0	2.5
14:00	84.8	83.6	82.3	80.2	36.1	29.3	28.4	3.2	3.7
15:00	111.1	105.1	118.0	103.2	43.6	40.2	43.8	2.3	2.6
16:00	124.0	118.3	128.8	115.4	25.8	21.0	20.5	2.5	2.8
17:00	225.0	216.6	233.6	217.0	30.0	35.7	29.9	.8	.8
18:00	285.6	277.5	282.3	277.0	26.4	28.9	22.5	1.2	1.9
19:00	318.9	276.7	308.7	275.0	15.7	40.1	32.2	.8	1.5
20:00	99.6	27.3	308.1	29.0	18.9	48.5	50.0	.7	.4
21:00	88.4	320.1	340.4	20.6	29.9	17.8	30.5	.3	.3
22:00	72.8	50.2	27.2	48.2	23.6	4.5	10.8	.5	1.6
23:00	87.2	57.7	318.9	60.1	22.5	14.7	11.5	.4	.3
Avg	83.0	57.0	33.0	58.0	30.1	23.7	25.5	.0	.0
Max	318.9	320.1	340.4	344.7	58.9	48.5	50.0	4.4	4.9
Hr. of Max	19	21	21	02	03	20	20	11	11
Min	59.2	1.1	27.2	20.6	14.4	4.5	5.7	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	.3	.3	1.2	.6	.5	.9	1.2	1.5	.02
01:00	.9	1.1	1.3	.9	1.5	1.2	-.1	-.1	-.01
02:00	.2	.3	.6	1.0	.6	1.3	.9	-1.0	.01
03:00	.1	.4	.3	.2	.8	.5	1.5	-1.7	.02
04:00	2.2	.7	1.6	2.3	.9	2.5	2.7	2.1	.05
05:00	4.1	1.2	2.9	4.1	1.4	4.4	-.2	.7	-.04
06:00	3.8	1.1	2.3	3.8	1.4	4.1	-4.5	.5	-.12
07:00	4.0	1.5	2.6	4.1	1.8	4.3	-1.3	1.3	-.04
08:00	3.7 P	1.7 P	3.0 P	3.7 P	2.0 P	4.0 P	-.8 P	-1.3 P	-.12 P
09:00	3.2	2.8	3.2	3.4	3.3	3.8	1.1	8.2	.02
10:00	4.1	4.4	4.2	4.4	5.0	5.0	1.5	8.6	.07
11:00	5.1	4.8	5.2	5.4	5.2	5.8	-.6	.7	-.13
12:00	3.8	3.6	4.0	4.3	4.2	4.9	2.3	2.8	.10
13:00	2.9	2.7	2.9	3.3	3.3	3.9	2.7	5.0	.16
14:00	4.1	3.8	4.2	4.5	4.3	5.0	1.0	4.5	-.01
15:00	2.9	3.1	3.3	3.5	3.6	4.1	1.1	.7	-.02
16:00	3.0	2.8	3.1	3.3	3.4	3.8	5.6	7.0	.27
17:00	.8	1.7	2.1	2.3	2.2	2.7	6.7	8.2	.26
18:00	1.9	1.4	2.2	2.1	1.7	2.3	4.7	-2.0	.07
19:00	2.1	.9	1.9	2.2	1.1	2.4	2.9	1.6	.04
20:00	.4	.8	.5	.6	1.0	1.0	-1.0	-2.2	-.01
21:00	.0	.4	.3	.0	.6	.3	1.2	-1.0	.01
22:00	1.9	.5	1.6	1.9	.7	2.1	1.5	1.6	.02
23:00	.9	.4	.4	1.0	.7	1.3	.6	-.2	.01
Avg	.0	1.8	2.3	2.6	2.1	3.0	1.3	1.9	.03
Max	5.1	4.8	5.2	5.4	5.2	5.8	6.7	8.6	.27
Hr. of Max	11	11	11	11	11	11	17	10	16
Min	.0	.3	.3	.0	.5	.3	-4.5	-2.2	-.13
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2015

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	.02	1.4	2.3	2.3	1.7	2.6	7.6	7.7
01:00	.00	3.2	4.1	3.2	3.6	3.2	5.9	7.1
02:00	.00	1.8	6.0	5.3	2.0	3.6	11.6	11.4
03:00	-.02	2.7	2.1	1.4	1.8	1.5	6.7	12.0
04:00	.11	2.3	2.5	3.9	2.3	4.1	7.3	6.7
05:00	.04	3.4	5.7	7.1	3.8	7.5	13.2	3.9
06:00	.03	4.8	4.8	11.4	3.0	6.2	13.5	5.7
07:00	.09	3.4	5.0	8.2	3.2	5.9	8.1	2.7
08:00	-.10 P	<	<	<	<	<	<	<
09:00	.43	6.6	8.9	8.7	8.5	9.4	18.5	19.6
10:00	.63	9.2	16.9	12.4	9.4	9.2	17.5	20.1
11:00	-.05	11.2	15.6	15.1	10.7	10.5	18.7	17.6
12:00	.15	9.6	9.6	16.5	9.4	11.4	22.4	23.0
13:00	.43	6.9	7.1	7.3	7.8	9.3	24.5	26.9
14:00	.24	10.3	10.8	10.3	10.9	10.9	21.1	20.8
15:00	.07	11.2	11.4	11.0	9.8	9.8	22.3	25.3
16:00	.49	6.6	6.2	8.7	7.7	7.3	18.2	20.9
17:00	.52	6.4	6.2	7.3	6.6	8.1	23.8	20.6
18:00	-.06	3.4	3.9	4.6	4.2	4.7	21.7	17.8
19:00	.07	2.7	6.6	6.2	3.3	4.1	11.4	9.3
20:00	-.02	2.3	2.7	2.5	2.3	3.3	8.9	16.7
21:00	-.01	2.3	1.6	.9	1.5	1.5	9.4	8.7
22:00	.07	2.3	3.0	3.7	2.6	3.9	7.4	3.8
23:00	.00	1.6	1.4	4.1	2.0	2.9	6.5	4.0
Avg	.13	5.0	6.3	7.0	5.1	6.1	14.2	13.6
Max	.63	11.2	16.9	16.5	10.9	11.4	24.5	26.9
Hr. of Max	10	15	10	12	14	12	13	13
Min	-.10	1.4	1.4	.9	1.5	1.5	5.9	2.7
Count	24	23	23	23	23	23	23	23
Total								