Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	20.1	20.6	20.8	21.1	.47	.67	.91	.20	.44
01:00	20.1	20.5	20.8	21.1	.42	.79	1.02	.37	.60
02:00	19.7	20.1	20.5	20.9	.44	.86	1.19	.42	.75
03:00	18.9	19.6	20.1	20.4	.66	1.16	1.46	.50	.79
04:00	18.0	18.9	19.2	19.9	.91	1.20	1.85	.30	.95
05:00	17.5	18.6	18.8	19.1	1.04	1.25	1.60	.20	.56
06:00	17.1	18.1	18.3	18.4	1.02	1.16	1.32	.14	.30
07:00	17.2	18.0	18.1	18.2	.72	.86	1.00	.14	.29
08:00	19.0	18.7	18.5	18.4	-.31	-.52	-.60	-.21	-.28
09:00	20.9	20.3	20.0	19.9	-.60	-.87	-.97	-.27	-.38
10:00	22.9	22.0	21.7	21.6	-.81	-1.13	-1.29	-.32	-.48
11:00	25.0	23.9	23.6	23.4	-1.08	-1.39	-1.57	-.30	-.48
12:00	25.9	25.0	24.7	24.6	-.89	-1.16	-1.29	-.27	-.39
13:00	27.2	26.1	25.7	25.6	-1.12	-1.46	-1.61	-.34	-.49
14:00	27.9	27.0	26.6	26.4	-.93	-1.29	-1.48	-.36	-.55
15:00	28.2	27.4	27.1	27.0	-.77	-1.08	-1.21	-.31	-.45
16:00	28.9	27.9	27.6	27.5	-.98	-1.31	-1.44	-.33	-.46
17:00	29.0	28.3	28.0	27.9	-.76	-1.04	-1.18	-.28	-.43
18:00	27.9	28.0	27.9	27.8	.11	-.03	-.10	-.14	-.21
19:00	24.6	26.2	27.1	27.4	1.62	2.57	2.82	.96	1.20
20:00	22.4	24.0	25.0	25.7	1.54	2.56	3.23	1.02	1.68
21:00	21.0	22.6	23.2	24.0	1.59	2.16	3.01	.57	1.42
22:00	20.2	21.5	22.1	22.8	1.30	1.89	2.55	.59	1.25
23:00	19.6	20.7	21.2	21.8	1.11	1.62	2.19	.51	1.08
Avg	22.5	22.7	22.8	23.0	.20	.31	.48	.12	.28
Max	29.0	28.3	28.0	27.9	1.62	2.57	3.23	1.02	1.68
Hr. of Max	17	17	17	17	19	19	20	20	20
Min	17.1	18.0	18.1	18.2	-1.12	-1.46	-1.61	-.36	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	18.1	18.2	18.8	24.8	90.0	87.9	15.4	15.4	0.01339
01:00	18.2	17.9	18.8	24.8	91.1	87.2	15.5	15.2	0.013478
02:00	18.0	17.8	18.5	24.7	91.9	88.4	15.3	15.1	0.013283
03:00	17.4	17.6	17.9	24.6	92.6	89.9	14.8	14.9	0.012782
04:00	16.7	17.4	17.2	24.5	94.2	92.9	14.2	14.8	0.012262
05:00	16.3	17.3	16.7	24.4	94.4	94.2	13.9	14.7	0.011926
06:00	16.0	17.0	16.3	24.3	94.7	95.2	13.6	14.5	0.011644
07:00	16.2	16.9	16.5	24.2	95.3	95.2	13.8	14.3	0.011826
08:00	17.3	17.2	17.9	24.1	91.8	92.7	14.7	14.6	0.012706
09:00	17.7	17.3	18.7	24.0	83.6	84.7	14.9	14.6	0.013006
10:00	17.7	17.1	19.4	23.9	74.5	75.2	14.9	14.4	0.013046
11:00	17.3	16.6	19.9	24.0	64.2	65.4	14.5	13.9	0.012752
12:00	16.7	16.4	19.8	24.1	58.6	60.4	13.9	13.7	0.012311
13:00	16.9	16.5	20.3	24.3	54.8	56.9	14.0	13.7	0.01243
14:00	16.6	16.4	20.3	24.6	51.6	53.9	13.7	13.6	0.012217
15:00	16.7	16.5	20.5	24.8	51.1	52.7	13.8	13.7	0.012339
16:00	16.1	15.7	20.4	24.9	47.2	48.5	13.3	13.0	0.011892
17:00	16.6	16.2	20.8	25.1	48.4	49.1	13.7	13.4	0.012285
18:00	17.2	16.7	20.8	25.2	54.0	51.6	14.3	13.8	0.012785
19:00	18.6	18.1	20.6	25.3	71.4	62.9	15.7	15.2	0.013894
20:00	18.7	18.6	19.9	25.4	81.1	73.9	15.8	15.7	0.013903
21:00	18.1	18.6	19.1	25.4	85.4	80.2	15.4	15.8	0.013423
22:00	18.0	18.9	18.7	25.3	89.0	87.1	15.3	16.1	0.013283
23:00	17.7	18.8	18.4	25.2	90.9	90.7	15.1	16.0	0.013077
Avg	17.3	17.3	19.0	24.7	76.7	75.7	14.6	14.6	0.012748
Max	18.7	18.9	20.8	25.4	95.3	95.2	15.8	16.1	0.013903
Hr. of Max	20	22	18	21	07	07	20	22	20
Min	16.0	15.7	16.3	23.9	47.2	48.5	13.3	13.0	0.011644
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	0.013449	20.8	20.9	.00	29.20	988.7	-1.2	.00	240.7
01:00	0.013237	21.0	20.6	.00	29.19	988.7	-2.0	.00	242.5
02:00	0.013139	20.7	20.4	.00	29.19	988.5	-2.9	.00	231.2
03:00	0.012932	19.9	20.1	.00	29.18	988.2	-3.6	-.01	286.2
04:00	0.012798	19.1	19.9	.00	29.18	988.2	-3.4	.00	310.7
05:00	0.012698	18.6	19.8	.00	29.19	988.4	-3.4	.00	4.8
06:00	0.012482	18.2	19.5	.00	29.20	988.9	-2.9	.00	8.6
07:00	0.01235	18.5	19.3	.00	29.21	989.3	29.2	.04	40.9
08:00	0.01259	19.8	19.6	.00	29.23	989.9	190.7	.27	41.2
09:00	0.012702	20.3	19.8	.00	29.24	990.2	364.2	.52	63.7
10:00	0.012528	20.3	19.6	.00	29.25	990.4	587.4	.84	137.2
11:00	0.012182	19.9	19.0	.00	29.25	990.5	761.8	1.09	127.7
12:00	0.012038	19.2	18.8	.00	29.24	990.2	620.9	.89	52.0
13:00	0.012094	19.4	18.9	.00	29.22	989.6	823.5	1.18	87.8
14:00	0.012082	19.1	18.8	.00	29.21	989.1	772.0	1.11	57.0
15:00	0.012167	19.2	19.0	.00	29.19	988.4	614.1	.88	65.9
16:00	0.011549	18.5	18.0	.00	29.17	987.9	680.8	.98	107.5
17:00	0.011934	19.1	18.6	.00	29.16	987.5	417.9	.60	115.6
18:00	0.012325	19.9	19.2	.00	29.15	987.3	173.7	.25	348.0
19:00	0.013469	21.6	20.9	.00	29.16	987.5	32.8	.05	318.3
20:00	0.013903	21.6	21.6	.00	29.16	987.6	-.3	.00	334.6
21:00	0.013886	20.9	21.6	.00	29.18	988.1	-2.9	.00	292.1
22:00	0.014092	20.7	21.9	.00	29.19	988.6	-1.7	.00	299.6
23:00	0.013963	20.4	21.7	.00	29.20	988.9	-3.3	.00	328.6
Avg	0.012775	19.9	19.9	.00	29.20	988.8	251.7	.36	11.0
Max	0.014092	21.6	21.9	.00	29.25	990.5	823.5	1.18	348.0
Hr. of Max	22	20	22	23	11	11	13	13	18
Min	0.011549	18.2	18.0	.00	29.15	987.3	-3.6	-.01	4.8
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	250.9	235.8	243.3	237.3	17.3	10.9	8.4	1.8	3.3
01:00	244.2	250.6	242.6	251.9	28.9	19.9	9.1	1.0	2.3
02:00	223.9	267.3	232.0	267.3	29.6	42.2	10.0	.7	1.3
03:00	147.0	249.2	291.3	247.0	26.1	35.9	31.0	.6	.4
04:00	172.9	195.5	310.7	188.9	27.6	31.8	32.1	.7	.5
05:00	70.4	70.4	6.9	68.1	33.3	8.6	13.1	.6	1.3
06:00	77.7	62.3	18.1	59.3	49.6	16.8	10.2	.2	1.3
07:00	74.3	62.8	46.3	60.1	41.2	11.7	6.6	.8	2.2
08:00	51.9	58.7	45.1	55.0	28.2	14.4	13.2	2.0	3.4
09:00	55.0	47.1	66.8	44.3	30.7	28.1	27.7	1.9	2.5
10:00	125.8	118.8	145.1	116.4	53.5	42.8	37.1	1.5	1.7
11:00	124.8	114.4	132.4	112.8	57.5	47.1	50.7	1.7	1.6
12:00	54.5	48.3	56.8	44.6	54.0	44.8	43.8	1.4	2.3
13:00	87.2	79.9	88.0	75.5	39.6	32.8	31.4	3.0	3.7
14:00	59.3	62.1	56.5	58.0	42.0	33.9	29.6	2.9	4.2
15:00	69.9	67.0	67.4	64.1	44.0	32.7	34.8	2.8	3.5
16:00	108.4	109.7	110.6	106.7	29.6	24.2	22.0	3.6	4.2
17:00	113.5	108.9	120.5	107.2	52.0	50.6	54.9	1.8	2.2
18:00	20.4	17.8	349.9	12.6	39.2	25.1	21.4	1.4	2.5
19:00	346.0	350.3	318.4	343.5	9.2	6.3	5.0	1.7	3.6
20:00	44.2	40.9	346.6	39.7	13.3	21.0	16.8	.6	1.2
21:00	145.1	356.4	290.4	17.6	19.8	27.8	17.7	.6	.4
22:00	100.2	79.6	300.8	103.5	18.0	33.6	19.9	.5	.1
23:00	82.0	256.9	342.3	248.7	30.0	19.2	27.9	.3	.3
Avg	89.0	64.0	16.0	64.0	33.9	27.6	23.9	.0	.0
Max	346.0	356.4	349.9	343.5	57.5	50.6	54.9	3.6	4.2
Hr. of Max	19	21	18	19	11	17	17	16	16
Min	20.4	17.8	6.9	12.6	9.2	6.3	5.0	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	4.5	1.9	3.4	4.7	2.2	5.0	-.2	-1.1	-.04
01:00	3.8	1.4	2.5	4.0	1.6	4.2	1.9	.5	.06
02:00	3.2	.9	1.7	3.3	1.3	3.5	2.2	.6	.05
03:00	1.4	.6	.5	1.5	.9	1.7	.2	-1.0	.00
04:00	.9	1.2	1.3	1.5	1.4	1.8	3.5	-.4	.07
05:00	1.8	.7	1.4	1.9	1.0	2.1	2.7	2.2	.05
06:00	2.4	.4	1.4	2.5	.7	2.7	.9	2.2	.02
07:00	3.4	1.1	2.2	3.4	1.5	3.7	-1.2	1.9	-.06
08:00	3.7	2.2	3.5	3.8	2.5	4.1	-3.7	2.0	-.26
09:00	2.6	2.9	3.3	3.2	3.4	3.6	.0	3.3	-.11
10:00	1.7	2.3	2.5	2.4	2.9	2.9	-.9	-8.2	.02
11:00	1.6	2.4	2.4	2.3	3.1	3.1	.6	3.2	.12
12:00	2.5	2.5	2.9	3.0	2.9	3.7	-1.1	-4.6	-.18
13:00	4.3	4.1	4.8	5.3	4.8	5.9	-1.2	-.7	-.23
14:00	4.7	3.7	4.9	5.4	4.4	6.0	-3.8	-1.8	-.37
15:00	4.0	3.4	4.1	4.7	4.1	5.2	.8	2.8	-.03
16:00	4.3	4.1	4.6	4.8	4.8	5.3	-.6	-1.2	-.08
17:00	2.6	2.8	3.0	3.2	3.3	3.8	3.3	10.2	.14
18:00	2.8	1.8	2.8	3.1	2.2	3.4	-3.0	-1.4	-.19
19:00	4.4	1.7	3.6	4.5	2.0	4.7	-1.4	1.4	-.07
20:00	1.7	.6	1.3	2.0	.9	2.3	.3	2.3	.01
21:00	.9	.6	.7	.9	.9	1.1	1.5	.5	.02
22:00	.1	.6	.3	.1	.9	.6	.7	.5	.00
23:00	.3	.4	.8	.6	.7	.9	1.8	-2.0	.02
Avg	.0	1.8	2.5	3.0	2.3	3.4	.1	.5	-.04
Max	4.7	4.1	4.9	5.4	4.8	6.0	3.5	10.2	.14
Hr. of Max	14	16	14	14	16	14	04	17	17
Min	.1	.4	.3	.1	.7	.6	-3.8	-8.2	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2015

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	-.10	6.2	10.8	11.4	4.8	8.5	7.2	3.9
01:00	.07	5.5	12.8	14.9	4.4	9.1	8.7	4.6
02:00	.03	3.4	6.0	11.7	2.2	7.4	12.1	6.0
03:00	-.02	2.1	3.4	7.1	2.7	4.1	7.7	5.3
04:00	-.02	3.0	3.0	3.2	3.2	3.3	9.2	7.7
05:00	.08	2.3	2.1	3.7	2.2	3.2	8.1	4.4
06:00	.10	1.8	3.0	4.4	2.0	4.3	9.0	4.8
07:00	.08	4.1	5.7	6.9	4.6	7.5	10.1	4.2
08:00	.11	5.7	7.1	9.8	6.5	6.9	21.8	12.5
09:00	.11	6.2	7.6	9.8	8.6	8.4	21.5	21.0
10:00	-.32	6.2	7.3	6.6	7.2	7.3	25.4	30.1
11:00	.42	6.6	7.3	7.3	7.8	10.1	28.4	35.5
12:00	-.36	7.1	8.2	8.2	8.5	9.3	27.9	29.6
13:00	-.11	13.7	13.5	14.7	14.1	15.9	22.6	21.4
14:00	-.16	11.2	11.4	13.3	14.4	14.0	23.5	20.8
15:00	.30	9.8	11.0	10.3	10.8	11.8	22.7	21.1
16:00	-.12	14.7	11.4	17.4	11.9	12.6	19.2	21.6
17:00	.57	9.8	9.2	8.5	9.0	9.0	23.5	27.5
18:00	-.10	5.5	6.4	10.1	5.5	7.6	19.5	16.3
19:00	.12	3.7	6.2	6.2	3.9	6.6	7.5	3.3
20:00	.15	2.3	6.4	9.6	2.6	5.6	9.5	11.1
21:00	.01	2.1	2.3	3.2	1.9	3.9	8.9	9.4
22:00	.01	2.1	2.3	.9	2.4	1.2	6.5	7.6
23:00	-.03	3.0	4.1	1.8	2.5	2.1	7.2	7.4
Avg	.03	5.8	7.0	8.4	6.0	7.5	15.3	14.0
Max	.57	14.7	13.5	17.4	14.4	15.9	28.4	35.5
Hr. of Max	17	16	13	16	14	13	11	11
Min	-.36	1.8	2.1	.9	1.9	1.2	6.5	3.3
Count	24	24	24	24	24	24	24	24
Total								