Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	17.2	19.6	20.7	21.3	2.45	3.54	4.14	1.09	1.69
01:00	16.0	18.3	19.0	19.6	2.30	3.04	3.65	.74	1.35
02:00	14.9	17.1	18.3	19.3	2.22	3.40	4.41	1.18	2.19
03:00	14.1	16.2	17.4	18.3	2.14	3.32	4.21	1.17	2.06
04:00	13.2	15.3	16.0	17.5	2.08	2.82	4.30	.75	2.22
05:00	12.6	14.4	15.1	16.3	1.83	2.49	3.75	.66	1.92
06:00	12.3	13.7	14.4	15.4	1.43	2.12	3.17	.69	1.75
07:00	13.8	14.5	14.7	15.2	.73	.96	1.41	.23	.68
08:00	17.1	16.8	16.5	16.4	-.30	-.59	-.72	-.29	-.42
09:00	20.0	19.2	18.9	18.7	-.83	-1.14	-1.28	-.31	-.46
10:00	22.3 P	21.3 P	20.9 P	20.7 P	P	P	P	P	P
11:00	24.2	22.9	22.5	22.4	-1.25	-1.64	-1.79	-.38	-.54
12:00	25.7	24.5	24.2	24.0	-1.15	-1.50	-1.70	-.35	-.55
13:00	27.4	26.1	25.7	25.5	-1.39	-1.71	-1.90	-.32	-.52
14:00	28.5	27.1	26.7	26.6	-1.41	-1.82	-1.92	-.41	-.51
15:00	28.9	27.7	27.4	27.2	-1.15	-1.51	-1.66	-.36	-.51
16:00	29.3	28.3	27.9	27.7	-1.08	-1.47	-1.60	-.39	-.53
17:00	29.4	28.5	28.1	27.9	-.93	-1.29	-1.52	-.36	-.59
18:00	28.4	28.0	27.9	27.8	-.38	-.46	-.53	-.08	-.15
19:00	24.9	25.9	26.8	27.1	.98	1.89	2.20	.91	1.22
20:00	23.1	24.6	25.2	25.5	1.42	2.07	2.32	.65	.91
21:00	22.1	23.3	23.5	23.9	1.20	1.40	1.81	.20	.61
22:00	18.3	18.6	19.1	19.9	.28	.82	1.62	.54	1.34
23:00	18.3	18.1	18.2	18.6	-.17	-.02	.30	.15	.46
Avg	20.9	21.3	21.5	21.8	.39	.64	.99	.25	.59
Max	29.4	28.5	28.1	27.9	2.45	3.54	4.41	1.18	2.22
Hr. of Max	17	17	17	17	00	00	02	02	04
Min	12.3	13.7	14.4	15.2	-1.41	-1.82	-1.92	-.41	-.59
Count	24	24	24	24	23	23	23	23	23
Total									

Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	14.9	14.3	15.7	23.9	88.2	72.6	12.7	12.1	0.010915
01:00	13.7	13.8	14.5	23.6	87.8	76.5	11.8	11.8	0.010078
02:00	13.1	13.4	13.7	23.4	90.4	80.0	11.4	11.5	0.009689
03:00	12.5	12.6	13.0	23.1	91.4	80.4	11.0	11.0	0.009294
04:00	11.6	11.7	12.1	22.8	91.7	80.8	10.4	10.4	0.008777
05:00	11.1	11.5	11.6	22.5	92.0	83.6	10.1	10.2	0.008476
06:00	10.9	11.6	11.4	22.2	92.8	88.2	9.9	10.3	0.008374
07:00	12.0	11.5	12.6	21.9	90.5	83.4	10.6	10.2	0.008999
08:00	12.2	11.2	13.8	21.7	74.1	70.9	10.6	10.0	0.009124
09:00	11.6	10.9	14.4	21.5	59.5	60.0	10.2	9.8	0.008781
10:00	P	P	P	21.4 P	50.4 P	52.0 P	P	P	P
11:00	11.4	10.8	15.6	21.7	45.7	47.4	9.9	9.6	0.008708
12:00	11.9	11.6	16.5	22.2	43.2	45.5	10.2	10.1	0.009006
13:00	11.3	11.2	16.7	22.9	37.6	40.4	9.8	9.8	0.008729
14:00	10.2	10.2	16.3	23.7	33.0	35.7	9.1	9.1	0.00814
15:00	9.6	9.6	16.0	24.1	31.0	33.0	8.8	8.8	0.007821
16:00	7.7	7.3	14.9	24.3	26.5	27.5	7.7	7.5	0.00687
17:00	6.8	6.6	14.4	24.6	24.9	25.8	7.3	7.2	0.006501
18:00	9.1	7.9	15.5	24.7	31.2	29.2	8.5	7.9	0.007591
19:00	13.3	10.5	17.1	24.7	49.7	39.2	11.2	9.3	0.009913
20:00	13.8	12.1	16.9	24.7	57.0	46.8	11.6	10.4	0.010254
21:00	14.3	13.2	16.9	24.6	62.8	54.5	12.1	11.2	0.010601
22:00	16.8	16.4	17.3	24.4	93.2	89.2	14.3	13.9	0.012421
23:00	17.3	17.1	17.6	24.2	95.9	95.8	14.7	14.5	0.012773
Avg	12.0	11.6	15.0	23.3	64.2	59.9	10.6	10.3	0.00921
Max	17.3	17.1	17.6	24.7	95.9	95.8	14.7	14.5	0.012773
Hr. of Max	23	23	23	20	23	23	23	23	23
Min	6.8	6.6	11.4	21.4	24.9	25.8	7.3	7.2	0.006501
Count	23	23	23	24	24	24	23	23	23
Total									

Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	0.010473	17.0	16.3	.00	29.15	987.0	-1.3	.00	50.9
01:00	0.010155	15.7	15.9	.00	29.14	987.0	-3.0	.00	355.4
02:00	0.009882	15.1	15.4	.00	29.13	986.5	-3.6	-.01	54.6
03:00	0.009383	14.5	14.7	.00	29.12	986.0	-2.7	.00	282.7
04:00	0.008859	13.7	13.8	.00	29.11	985.7	-1.7	.00	304.3
05:00	0.008677	13.3	13.6	.00	29.11	985.9	-3.0	.00	14.9
06:00	0.008738	13.1	13.7	.00	29.12	986.2	8.5	.01	32.4
07:00	0.008692	14.1	13.6	.00	29.13	986.3	98.6	.14	80.6
08:00	0.008566	14.3	13.4	.00	29.14	986.7	356.4	.51	142.4
09:00	0.008408	13.7	13.2	.00	29.14	986.9	576.6	.83	83.4
10:00	P	P	P	.00 P	29.13 P	986.4 P	747.5 P	1.07 P	82.1 P
11:00	0.008378	13.6	13.1	.00	29.12	986.2	897.0	1.29	101.5
12:00	0.008863	14.1	13.8	.00	29.11	985.7	998.9	1.43	28.3
13:00	0.008639	13.6	13.5	.00	29.08	984.9	979.9	1.40	257.5
14:00	0.008092	12.7	12.6	.00	29.07	984.4	1006.7	1.44	278.0
15:00	0.00779	12.2	12.2	.00	29.05	983.8	895.2	1.28	309.8
16:00	0.006694	10.7	10.5	.00	29.03	983.2	610.1	.87	249.9
17:00	0.006374	10.2	10.0	.00	29.01	982.5	462.2	.66	250.1
18:00	0.006996	11.8	10.9	.00	29.00	982.0	328.1	.47	259.3
19:00	0.008272	15.4	12.9	.00	28.98	981.3	83.1	.12	317.5
20:00	0.009165	15.9	14.2	.00	28.97	981.1	11.3	.02	327.2
21:00	0.009891	16.4	15.4	.07	28.97	981.2	-.9	.00	14.0
22:00	0.012093	19.2	18.7	.14	29.00	982.0	-2.2	.00	337.3
23:00	0.012628	19.8	19.5	.00	28.99	981.7	-2.0	.00	294.1
Avg	0.008944	14.4	14.0	.01	29.08	984.6	335.0	.48	345.0
Max	0.012628	19.8	19.5	.14	29.15	987.0	1006.7	1.44	355.4
Hr. of Max	23	23	23	22	00	01	14	14	01
Min	0.006374	10.2	10.0	.00	28.97	981.1	-3.6	-.01	14.0
Count	23	23	23	24	24	24	24	24	24
Total									

Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	41.3	35.1	66.6	28.9	57.7	13.9	10.8	.7	3.7
01:00	64.3	79.7	356.7	76.1	48.2	15.6	6.8	.8	1.9
02:00	50.1	43.4	60.7	38.2	59.4	21.8	9.0	.6	2.7
03:00	66.5	74.6	272.8	70.9	44.1	21.3	15.7	.4	1.4
04:00	47.3	19.2	314.1	12.7	50.9	29.2	11.2	.4	.7
05:00	58.0	13.9	11.9	7.9	45.0	35.0	14.6	.3	.8
06:00	51.7	29.3	32.3	23.5	45.0	31.5	17.9	.4	1.2
07:00	68.6	39.6	93.7	34.5	28.7	17.1	11.6	.4	1.1
08:00	134.6	99.9	149.0	97.4	38.4	48.5	50.9	.8	.9
09:00	79.0	73.1	84.1	69.3	25.4	19.7	16.8	3.8	4.4
10:00	76.6 P	71.7 P	85.3 P	67.7 P	35.4 P	27.2 P	24.1 P	3.9 P	4.7 P
11:00	94.7	85.9	103.4	81.8	25.9	22.1	20.5	4.1	4.6
12:00	10.9	5.6	26.3	1.3	71.7	52.8	43.2	.6	1.1
13:00	273.6	269.3	260.7	270.4	57.7	56.0	58.6	1.9	2.1
14:00	291.9	298.2	277.9	295.8	48.0	39.5	34.6	2.7	3.1
15:00	313.1	308.5	314.3	305.8	41.7	31.1	30.9	2.5	3.3
16:00	261.2	261.1	255.7	261.8	41.5	31.5	27.8	3.0	3.6
17:00	254.5	253.2	253.2	253.6	34.5	31.7	29.6	2.5	2.8
18:00	255.4	247.9	259.8	248.8	26.4	22.4	16.8	1.9	2.6
19:00	218.9	174.2	315.6	173.3	19.0	31.1	16.5	.8	.3
20:00	45.9	75.6	325.5	72.9	28.1	10.0	8.8	.5	1.5
21:00	36.2	46.1	16.8	42.2	28.9	21.2	16.8	1.9	2.9
22:00	35.8	35.3	334.9	29.5	55.0	60.1	30.2	1.5	2.9
23:00	271.6	145.2	293.4	146.2	41.2	52.9	41.0	.8	.5
Avg	35.0	40.0	344.0	33.0	41.6	31.0	23.5	.0	.0
Max	313.1	308.5	356.7	305.8	71.7	60.1	58.6	4.1	4.7
Hr. of Max	15	15	01	15	12	22	13	11	10
Min	10.9	5.6	11.9	1.3	19.0	10.0	6.8	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	6.2	1.0	4.0	6.3	1.4	6.6	1.8	1.8	.04
01:00	3.4	1.1	2.0	3.5	1.4	3.7	2.5	.8	.06
02:00	5.5	1.2	3.0	5.6	1.5	5.9	2.9	.3	.06
03:00	2.6	.6	1.8	2.8	.9	3.1	-.1	.6	.00
04:00	2.5	.5	.8	2.6	.8	3.0	1.4	1.8	.01
05:00	2.0	.6	.9	2.1	.9	2.4	2.6	2.8	.04
06:00	1.7	.6	1.4	1.9	.9	2.2	2.5	.8	.03
07:00	1.9	.4	1.2	2.0	.8	2.3	-1.0	-1.5	-.02
08:00	.9	1.0	1.1	1.2	1.6	1.7	-1.2	-.8	.00
09:00	5.1	4.3	4.8	5.3	4.8	5.9	1.3	1.7	.04
10:00	5.3 P	4.4 P	5.1 P	5.7 P	5.0 P	6.2 P	.6 P	1.7 P	-.02 P
11:00	4.7	4.5	4.9	5.0	5.3	5.6	-.6	1.5	-.04
12:00	1.5	2.6	3.1	3.3	3.3	4.2	-1.9	-5.9	-.14
13:00	2.0	2.7	2.9	3.0	3.4	3.7	.9	5.9	.02
14:00	3.3	3.4	3.7	3.9	3.9	4.5	-2.5	3.1	-.19
15:00	3.5	4.3	5.1	5.0	4.8	5.7	-4.7	-3.7	-.50
16:00	4.0	3.8	4.4	4.5	4.2	5.1	-2.8	-2.5	-.31
17:00	3.2	3.8	4.2	4.5	4.2	5.0	-.3	.6	-.18
18:00	3.0	2.3	2.9	3.2	2.7	3.6	-1.8	4.3	-.14
19:00	.5	.8	.8	1.2	1.1	1.6	1.1	-.8	.01
20:00	1.5	.6	1.5	1.5	.9	1.8	-.2	.0	-.01
21:00	3.9	3.0	4.7	6.2	3.2	6.5	-2.4	-.4	-.28
22:00	4.1	2.6	3.8	4.8	3.0	5.3	.7	1.4	-.06
23:00	1.1	1.6	1.4	1.8	2.0	2.1	.3	2.6	-.02
Avg	.0	2.2	2.9	3.6	2.6	4.1	.0	.7	-.07
Max	6.2	4.5	5.1	6.3	5.3	6.6	2.9	5.9	.06
Hr. of Max	00	11	15	00	11	00	02	13	02
Min	.5	.4	.8	1.2	.8	1.6	-4.7	-5.9	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2015

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	.13	5.0	10.1	13.5	5.3	12.0	16.1	5.9
01:00	.05	3.9	8.5	8.0	3.5	6.6	8.0	3.7
02:00	.02	3.4	7.1	11.7	3.6	12.4	11.6	5.5
03:00	.03	2.3	4.4	5.7	2.3	5.9	9.7	5.9
04:00	.11	2.1	3.2	6.0	2.6	4.9	8.4	6.2
05:00	.14	2.3	2.3	5.0	2.6	5.5	9.1	7.7
06:00	.04	2.7	3.7	3.7	3.0	3.9	9.4	5.4
07:00	-.08	1.6	2.7	5.0	2.1	5.8	12.3	7.4
08:00	.05	5.3	6.2	5.0	6.2	5.6	26.5	27.1
09:00	.09	10.8	9.6	10.1	11.5	10.9	19.3	17.0
10:00	.01 P	<	<	<	<	<	<	<
11:00	.21	10.3	11.7	9.4	10.9	11.6	18.2	22.0
12:00	-.62	8.5	10.1	11.7	9.7	12.7	29.1	31.8
13:00	.28	11.4	10.3	9.2	11.2	10.1	29.8	30.3
14:00	.11	9.6	11.9	12.4	10.4	9.8	26.1	29.3
15:00	-.46	10.8	10.8	11.9	12.8	12.8	23.1	23.6
16:00	-.29	9.8	10.8	11.0	10.5	11.5	20.6	18.1
17:00	.00	9.6	9.4	10.5	11.1	11.2	21.3	15.8
18:00	.30	7.8	8.5	9.6	8.8	9.1	15.6	14.9
19:00	-.03	2.1	2.3	3.0	2.5	3.1	11.7	10.3
20:00	.00	3.0	2.5	3.7	2.5	3.0	7.3	5.1
21:00	-.25	14.4	17.4	21.1	15.7	22.8	11.4	5.5
22:00	.11	14.0	23.4	22.0	13.7	17.3	15.6	14.9
23:00	.09	6.4	6.0	6.6	6.6	7.7	13.8	15.1
Avg	.00	6.8	8.4	9.4	7.4	9.4	16.3	14.3
Max	.30	14.4	23.4	22.0	15.7	22.8	29.8	31.8
Hr. of Max	18	21	22	22	21	21	13	12
Min	-.62	1.6	2.3	3.0	2.1	3.0	7.3	3.7
Count	24	23	23	23	23	23	23	23
Total								