Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	16.5	18.2	19.3	19.6	1.62	2.78	3.10	1.16	1.48
01:00	16.0	16.9	18.0	18.8	.93	2.02	2.78	1.09	1.85
02:00	15.4	16.4	17.2	18.4	.99	1.73	2.93	.74	1.94
03:00	15.0	16.1	16.5	16.9	1.07	1.55	1.92	.48	.85
04:00	14.5	15.6	16.0	16.4	1.14	1.56	1.89	.42	.75
05:00	14.0	15.0	15.5	16.0	1.05	1.52	2.03	.47	.98
06:00	13.4	14.5	15.0	15.5	1.09	1.56	2.06	.47	.98
07:00	14.6	14.7	15.2	15.8	.14	.63	1.26	.49	1.12
08:00	17.2	16.9	16.8	16.8	-.25	-.34	-.39	-.10	-.15
09:00	19.9	19.4	19.1	19.0	-.53	-.78	-.93	-.25	-.40
10:00	21.5	20.8	20.4	20.3	-.70	-1.04	-1.20	-.34	-.50
11:00	23.0	22.0	21.7	21.6	-.96	-1.25	-1.39	-.30	-.44
12:00	24.3	23.1	22.8	22.6	-1.15	-1.46	-1.64	-.31	-.49
13:00	25.2	23.9	23.6	23.5	-1.26	-1.59	-1.71	-.33	-.44
14:00	25.7	24.5	24.2	24.0	-1.16	-1.50	-1.65	-.34	-.49
15:00	26.0	24.9	24.4	24.3	-1.11	-1.52	-1.69	-.40	-.58
16:00	26.2	25.4	25.0	24.8	-.80	-1.15	-1.33	-.35	-.53
17:00	26.4	25.5	25.1	24.9	-.89	-1.22	-1.44	-.33	-.54
18:00	25.6	25.1	24.9	24.8	-.53	-.76	-.82	-.23	-.28
19:00	24.2	24.7	24.6	24.6	.45	.33	.34	-.12	-.11
20:00	20.5	23.1	23.9	24.0	2.66	3.45	3.57	.80	.92
21:00	17.9	19.8	20.9	22.6	1.89	3.02	4.64	1.13	2.75
22:00	16.3	18.3	19.4	20.3	2.01	3.05	3.98	1.04	1.98
23:00	15.4	17.2	18.0	19.0	1.81	2.68	3.68	.87	1.87
Avg	19.8	20.1	20.3	20.6	.31	.55	.83	.24	.52
Max	26.4	25.5	25.1	24.9	2.66	3.45	4.64	1.16	2.75
Hr. of Max	17	17	17	17	20	20	21	00	21
Min	13.4	14.5	15.0	15.5	-1.26	-1.59	-1.71	-.40	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	15.4	15.8	15.8	25.8	94.5	87.9	13.1	13.4	0.011272
01:00	14.9	15.7	15.3	25.4	94.9	94.0	12.7	13.3	0.010938
02:00	14.4	15.5	14.7	25.1	95.2	95.9	12.3	13.2	0.010583
03:00	14.0	15.2	14.3	24.8	95.2	96.1	12.0	12.9	0.010289
04:00	13.5	14.9	13.8	24.5	95.3	96.9	11.7	12.7	0.009956
05:00	13.0	14.3	13.3	24.2	95.3	97.1	11.3	12.3	0.009643
06:00	12.5	13.8	12.8	23.9	95.3	96.8	11.0	11.9	0.009291
07:00	13.6	13.7	13.9	23.6	95.4	95.4	11.8	11.8	0.010021
08:00	14.9	14.0	15.7	23.4	88.3	84.5	12.7	12.0	0.01094
09:00	11.9	11.1	14.6	23.2	61.2	59.7	10.4	9.8	0.008988
10:00	11.4	10.7	14.8	23.1	53.8	53.6	10.0	9.6	0.008713
11:00	11.3	10.3	15.2	23.4	48.9	48.4	9.9	9.3	0.008684
12:00	11.5	10.3	15.8	24.0	45.8	45.1	10.0	9.2	0.008798
13:00	11.1	10.3	15.8	24.8	42.4	43.2	9.8	9.3	0.008604
14:00	10.9	10.1	15.8	25.7	40.5	41.2	9.6	9.1	0.008466
15:00	10.4	9.7	15.6	26.0	38.6	39.3	9.3	8.9	0.008216
16:00	10.4	9.7	15.7	26.1	38.2	38.0	9.3	8.9	0.008236
17:00	9.9	9.2	15.4	26.4	36.4	36.7	9.0	8.6	0.007939
18:00	10.8	10.1	15.8	26.6	40.5	39.7	9.6	9.1	0.008452
19:00	11.6	10.4	15.8	26.6	46.5	41.4	10.1	9.3	0.008885
20:00	13.8	10.9	16.0	26.5	66.9	47.3	11.7	9.6	0.010167
21:00	13.6	12.1	15.0	26.3	77.0	62.1	11.6	10.5	0.010015
22:00	12.9	12.2	14.1	26.0	81.7	68.7	11.2	10.6	0.009596
23:00	12.7	12.6	13.6	25.7	85.6	76.0	11.1	11.0	0.009452
Avg	12.5	12.2	14.9	25.0	68.9	66.0	10.9	10.7	0.009423
Max	15.4	15.8	16.0	26.6	95.4	97.1	13.1	13.4	0.011272
Hr. of Max	00	00	20	19	07	05	00	00	00
Min	9.9	9.2	12.8	23.1	36.4	36.7	9.0	8.6	0.007939
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	0.011604	17.5	18.0	.00	29.03	983.1	-3.4	.00	278.2
01:00	0.011489	17.0	17.8	.00	29.03	983.1	-3.6	-.01	261.0
02:00	0.011356	16.4	17.6	.00	29.03	983.0	-3.4	.00	248.1
03:00	0.011127	16.0	17.3	.00	29.03	983.2	-2.7	.00	273.8
04:00	0.010899	15.5	16.9	.00	29.04	983.4	-2.4	.00	292.2
05:00	0.010518	15.0	16.4	.00	29.05	983.9	-1.5	.00	341.1
06:00	0.010129	14.5	15.8	.00	29.07	984.5	7.5	.01	329.6
07:00	0.010094	15.6	15.7	.00	29.09	985.2	126.5	.18	234.1
08:00	0.0103	17.0	16.1	.00	29.10	985.6	331.0	.47	191.3
09:00	0.008487	14.0	13.3	.00	29.12	986.1	574.2	.82	290.9
10:00	0.008309	13.6	13.0	.00	29.12	986.0	761.9	1.09	15.5
11:00	0.0081	13.6	12.7	.00	29.11	985.8	902.5	1.29	279.6
12:00	0.008079	13.7	12.6	.00	29.11	985.7	1035.2	1.48	244.4
13:00	0.008113	13.4	12.7	.00	29.09	985.2	1054.2	1.51	258.0
14:00	0.008029	13.2	12.5	.00	29.07	984.6	1074.9	1.54	256.0
15:00	0.007829	12.8	12.2	.00	29.06	984.2	880.6	1.26	270.1
16:00	0.007807	12.9	12.2	.00	29.05	983.9	572.3	.82	254.6
17:00	0.007573	12.4	11.8	.00	29.05	983.7	459.6	.66	277.3
18:00	0.008017	13.2	12.5	.00	29.05	983.8	306.2	.44	304.5
19:00	0.008164	13.9	12.7	.00	29.05	983.9	223.7	.32	309.9
20:00	0.008421	15.8	13.1	.00	29.06	984.2	19.6	.03	310.0
21:00	0.009088	15.6	14.2	.00	29.06	984.2	-2.5	.00	306.3
22:00	0.009161	15.0	14.3	.00	29.08	984.7	-2.8	.00	298.8
23:00	0.009419	14.7	14.7	.00	29.08	984.7	-.9	.00	303.5
Avg	0.009255	14.7	14.4	.00	29.07	984.4	346.1	.50	282.0
Max	0.011604	17.5	18.0	.00	29.12	986.1	1074.9	1.54	341.1
Hr. of Max	00	00	00	23	10	09	14	14	05
Min	0.007573	12.4	11.8	.00	29.03	983.0	-3.6	-.01	15.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	276.9	279.6	278.7	278.9	9.5	5.2	4.3	1.7	4.1
01:00	286.7	260.2	259.6	261.2	26.2	43.9	7.3	.7	2.0
02:00	7.8	313.7	255.5	311.6	66.4	60.2	41.3	.4	.7
03:00	92.9	172.4	285.2	186.0	25.5	38.6	33.6	.5	.2
04:00	275.4	222.6	289.5	226.2	16.4	30.9	12.5	.6	.5
05:00	64.5	15.8	328.2	11.5	50.5	51.0	33.5	.2	.4
06:00	23.4	135.9	313.1	174.0	34.2	56.7	40.6	.5	.2
07:00	233.8	253.1	240.6	254.8	17.5	26.8	25.6	1.2	1.5
08:00	220.2	246.7	200.1	250.8	36.9	35.5	33.1	.9	.9
09:00	340.7	344.9	283.4	342.9	55.4	51.3	54.2	.4	.7
10:00	17.4	3.6	12.6	356.5	57.6	43.5	40.3	1.9	2.8
11:00	298.1	299.4	281.0	298.6	59.4	53.7	45.8	2.0	2.7
12:00	267.4	278.1	248.5	279.0	57.4	61.5	57.7	2.2	2.2
13:00	265.4	265.4	262.0	265.9	32.9	28.6	28.9	4.1	5.1
14:00	270.4	276.3	255.0	276.7	52.4	49.5	50.2	2.6	3.5
15:00	286.3	292.0	272.8	288.6	48.4	45.3	40.2	2.9	3.6
16:00	270.7	281.0	254.9	279.9	52.3	52.0	45.3	3.0	3.4
17:00	286.3	292.1	279.9	290.6	38.9	32.9	29.2	3.5	4.5
18:00	311.2	309.0	304.1	306.3	38.1	30.6	23.8	2.2	3.2
19:00	318.0	315.4	309.7	311.5	28.6	21.2	17.8	2.0	3.4
20:00	308.4	314.4	308.7	310.9	10.5	13.0	10.4	1.5	2.8
21:00	347.9	326.7	301.6	319.3	28.1	46.8	31.6	.4	.3
22:00	243.8	274.0	298.2	269.0	17.7	17.5	28.1	.5	.3
23:00	236.4	228.2	296.8	229.1	30.9	34.5	7.4	.3	.9
Avg	295.0	285.0	282.0	282.0	37.2	38.8	30.9	.0	.0
Max	347.9	344.9	328.2	356.5	66.4	61.5	57.7	4.1	5.1
Hr. of Max	21	09	05	10	02	12	12	13	13
Min	7.8	3.6	12.6	11.5	9.5	5.2	4.3	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	6.1	1.7	4.1	6.2	1.9	6.1	-2.1	1.9	-.08
01:00	4.5	.8	2.0	4.5	1.1	4.7	.8	2.7	.02
02:00	3.6	.6	1.6	4.1	1.0	4.0	1.4	6.6	.02
03:00	.1	.9	.4	.8	1.4	1.2	2.5	.2	.04
04:00	.9	.7	.5	1.1	1.1	1.4	.7	-.9	.02
05:00	.9	.4	.6	1.2	.8	1.5	.3	3.3	.01
06:00	.2	.7	.3	.5	1.0	.9	.8	-2.2	.02
07:00	1.3	1.3	1.6	1.5	1.8	1.8	-.9	3.2	-.06
08:00	.8	1.1	1.1	1.0	1.7	1.4	-.2	.6	.03
09:00	.8	1.3	1.6	1.5	1.8	2.1	-2.0	-2.7	-.08
10:00	3.2	2.8	3.5	3.6	3.3	4.4	-2.5	-8.0	-.32
11:00	3.1	3.4	4.0	4.0	3.9	4.7	-2.6	-4.6	-.25
12:00	2.8	3.7	3.9	4.3	4.4	4.9	.0	2.9	-.14
13:00	5.4	4.9	6.0	6.3	5.5	6.9	-1.9	-2.4	-.41
14:00	3.9	4.3	4.9	5.2	5.1	6.0	1.4	5.3	-.09
15:00	4.2	4.1	4.8	5.3	4.8	5.9	1.5	-.5	-.12
16:00	4.1	4.0	4.5	4.9	4.5	5.6	-.3	3.5	-.16
17:00	5.2	4.2	5.2	5.9	4.8	6.4	-2.3	-3.5	-.37
18:00	4.2	2.7	3.7	4.6	3.1	4.9	1.7	-3.4	-.14
19:00	4.5	2.3	3.7	4.7	2.6	5.0	-1.2	-3.0	-.18
20:00	4.1	1.6	2.8	4.2	1.7	4.3	.0	-.9	-.04
21:00	2.5	.6	.8	2.5	.9	2.7	.8	2.9	.00
22:00	.4	.6	.4	.5	.8	.8	-.3	.1	-.01
23:00	1.5	.4	.9	1.5	.7	1.8	.8	.6	.01
Avg	.0	2.0	2.6	3.3	2.5	3.7	-.2	.1	-.10
Max	6.1	4.9	6.0	6.3	5.5	6.9	2.5	6.6	.04
Hr. of Max	00	13	13	13	13	13	03	02	03
Min	.1	.4	.3	.5	.7	.8	-2.6	-8.0	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/28/2015

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	.20	4.6	8.5	15.8	4.0	9.0	6.6	3.5
01:00	.21	2.3	7.6	11.4	2.7	6.9	8.2	3.1
02:00	.46	2.1	5.0	7.1	2.6	7.1	13.6	8.2
03:00	-.01	3.2	4.6	3.7	2.9	3.9	10.1	14.4
04:00	-.01	2.1	2.5	3.9	2.4	4.3	6.6	9.8
05:00	.08	2.3	2.1	2.7	2.3	3.2	9.6	11.7
06:00	-.02	2.1	2.3	3.0	2.4	3.6	6.4	10.7
07:00	.10	3.4	3.7	3.0	3.9	3.4	11.8	9.4
08:00	.08	3.2	3.9	4.1	3.6	4.6	23.9	24.1
09:00	.01	3.9	5.3	6.4	4.6	6.9	30.3	32.4
10:00	-.69	8.7	9.4	8.9	9.4	10.2	25.2	25.2
11:00	-.55	10.5	10.5	11.0	10.1	10.7	24.7	27.1
12:00	.09	12.4	12.4	11.9	12.6	12.1	22.8	26.6
13:00	-.41	19.2	18.5	17.4	12.3	13.8	20.6	19.3
14:00	.21	11.7	16.9	15.6	15.2	14.3	24.7	26.7
15:00	-.32	10.5	14.7	13.7	12.0	13.7	24.6	21.4
16:00	.02	14.0	14.7	14.4	16.7	14.6	24.5	26.0
17:00	-.56	18.5	16.7	22.9	12.1	14.2	19.9	15.7
18:00	-.33	8.0	9.6	11.4	9.7	11.1	25.4	17.1
19:00	-.40	6.6	9.4	9.4	8.1	10.1	19.0	11.9
20:00	-.09	8.9	7.6	8.7	4.3	6.8	9.4	7.9
21:00	.25	2.3	6.4	10.3	2.6	6.1	10.3	14.6
22:00	.01	1.8	1.6	2.3	2.2	2.6	6.5	6.0
23:00	.03	1.4	2.5	4.4	1.9	3.7	7.1	3.0
Avg	-.07	6.8	8.2	9.3	6.7	8.2	16.3	15.7
Max	.46	19.2	18.5	22.9	16.7	14.6	30.3	32.4
Hr. of Max	02	13	13	17	16	16	09	09
Min	-.69	1.4	1.6	2.3	1.9	2.6	6.4	3.0
Count	24	24	24	24	24	24	24	24
Total								