Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	12.4	13.8	14.2	15.5	1.46	1.83	3.07	.37	1.61
01:00	11.7	13.4	14.4	15.2	1.69	2.71	3.48	1.02	1.79
02:00	11.2	13.1	14.1	14.8	1.87	2.92	3.63	1.05	1.76
03:00	10.9	12.4	13.2	14.0	1.46	2.35	3.16	.88	1.70
04:00	10.8	12.3	13.2	14.4	1.41	2.31	3.52	.90	2.11
05:00	11.1	12.6	13.3	14.2	1.47	2.19	3.06	.71	1.58
06:00	10.7	12.4	13.3	13.9	1.76	2.57	3.18	.81	1.42
07:00	10.8	12.7	13.0	13.5	1.96	2.22	2.70	.26	.74
08:00	13.1	13.6	13.6	13.8	.52	.50	.67	-.01	.16
09:00	16.5	16.1	15.8	15.7	-.42	-.70	-.84	-.28	-.42
10:00	18.4	17.4	17.0	16.9	-.95	-1.34	-1.52	-.38	-.56
11:00	19.9	18.7	18.3	18.1	-1.22	-1.59	-1.81	-.36	-.59
12:00	21.9	20.4	20.0	19.9	-1.44	-1.82	-1.99	-.38	-.56
13:00	23.3	22.0	21.6	21.4	-1.33	-1.76	-1.92	-.43	-.59
14:00	24.7	23.4	23.0	22.7	-1.33	-1.74	-1.99	-.41	-.66
15:00	25.2	24.1	23.7	23.4	-1.07	-1.48	-1.75	-.41	-.68
16:00	25.6	24.7	24.3	24.1	-.89	-1.30	-1.53	-.41	-.64
17:00	25.3	24.7	24.4	24.2	-.57	-.89	-1.04	-.32	-.46
18:00	23.0	23.6	23.7	23.8	.56	.67	.74	.11	.18
19:00	19.1	21.0	22.3	22.8	1.93	3.21	3.66	1.28	1.73
20:00	16.9	19.1	20.1	21.1	2.27	3.29	4.28	1.01	2.01
21:00	15.4	18.0	18.5	19.9	2.53	3.03	4.44	.50	1.91
22:00	14.4	16.4	17.3	18.4	2.05	2.92	4.04	.87	1.99
23:00	13.6	15.7	16.2	17.2	2.15	2.66	3.60	.51	1.44
Avg	16.9	17.6	17.9	18.3	.66	.95	1.37	.29	.71
Max	25.6	24.7	24.4	24.2	2.53	3.29	4.44	1.28	2.11
Hr. of Max	16	17	17	17	21	20	21	19	04
Min	10.7	12.3	13.0	13.5	-1.44	-1.82	-1.99	-.43	-.68
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	10.7	11.5	11.2	22.2	90.5	87.2	9.8	10.3	0.008168
01:00	10.2	11.5	10.7	21.9	91.9	89.5	9.5	10.3	0.007912
02:00	9.9	11.4	10.3	21.6	92.5	91.0	9.3	10.2	0.007722
03:00	9.6	11.2	10.0	21.3	92.9	93.7	9.1	10.1	0.007588
04:00	9.6	11.2	10.0	21.1	93.0	94.3	9.1	10.1	0.007575
05:00	10.0	11.3	10.4	20.8	94.3	93.2	9.4	10.2	0.007809
06:00	9.5	11.1	9.9	20.6	93.5	93.1	9.1	10.1	0.007528
07:00	9.6	11.2	10.0	20.4	93.8	91.7	9.2	10.1	0.007596
08:00	11.3	11.1	11.9	20.2	90.1	86.0	10.2	10.0	0.00851
09:00	11.9	11.3	13.4	20.1	75.4	74.2	10.5	10.1	0.008862
10:00	11.4	10.9	13.7	20.1	65.0	66.4	10.1	9.8	0.00859
11:00	11.3	11.0	14.2	20.4	58.6	62.0	10.0	9.8	0.008533
12:00	11.0	10.6	14.6	20.8	51.3	54.5	9.8	9.5	0.008411
13:00	10.4	10.2	14.7	21.4	45.1	48.0	9.3	9.2	0.008098
14:00	9.9	9.8	14.9	22.2	40.1	43.0	9.0	9.0	0.007851
15:00	9.6	9.5	14.8	22.8	38.2	40.4	8.8	8.8	0.007672
16:00	10.0	9.9	15.2	23.2	38.3	40.1	9.0	9.0	0.007901
17:00	10.2	10.2	15.2	23.4	39.7	40.9	9.2	9.2	0.008023
18:00	11.5	10.6	15.3	23.5	49.5	44.9	10.0	9.4	0.008689
19:00	12.5	11.1	14.7	23.6	66.9	54.0	10.8	9.8	0.00929
20:00	12.2	11.8	13.8	23.4	75.3	63.8	10.7	10.4	0.009082
21:00	11.9	12.2	13.1	23.2	80.6	70.2	10.5	10.6	0.008866
22:00	11.5	12.0	12.4	22.9	84.0	76.3	10.2	10.5	0.008622
23:00	11.2	11.9	12.0	22.6	86.6	79.1	10.1	10.5	0.008441
Avg	10.7	11.0	12.8	21.8	72.0	69.9	9.7	9.9	0.008222
Max	12.5	12.2	15.3	23.6	94.3	94.3	10.8	10.6	0.00929
Hr. of Max	19	21	18	19	05	04	19	21	19
Min	9.5	9.5	9.9	20.1	38.2	40.1	8.8	8.8	0.007528
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	0.008654	12.9	13.6	.00	29.33	993.2	-2.5	.00	4.3
01:00	0.008607	12.5	13.6	.00	29.33	993.4	-2.7	.00	27.4
02:00	0.008593	12.2	13.5	.00	29.34	993.6	-2.3	.00	61.0
03:00	0.00843	12.0	13.3	.00	29.34	993.7	-1.6	.00	294.9
04:00	0.008427	12.0	13.3	.00	29.35	993.8	-1.9	.00	49.1
05:00	0.008509	12.3	13.4	.00	29.35	993.8	-2.1	.00	66.1
06:00	0.008423	11.9	13.3	.00	29.36	994.3	-2.1	.00	66.5
07:00	0.008461	12.0	13.4	.00	29.38	995.0	13.8	.02	43.8
08:00	0.008395	13.4	13.3	.00	29.40	995.5	184.6	.26	60.6
09:00	0.008498	14.0	13.4	.00	29.41	995.9	405.7	.58	73.3
10:00	0.008273	13.6	13.1	.00	29.42	996.2	585.9	.84	90.2
11:00	0.008371	13.5	13.2	.00	29.41	996.0	735.2	1.05	95.9
12:00	0.008178	13.3	12.9	.00	29.40	995.6	823.0	1.18	100.3
13:00	0.007948	12.8	12.6	.00	29.38	995.0	849.6	1.22	99.2
14:00	0.007768	12.4	12.3	.00	29.36	994.2	820.8	1.18	85.7
15:00	0.00762	12.1	12.0	.00	29.33	993.4	731.7	1.05	81.5
16:00	0.00784	12.5	12.4	.00	29.32	993.0	578.2	.83	69.6
17:00	0.007993	12.6	12.6	.00	29.32	992.8	301.1	.43	30.2
18:00	0.008201	13.7	12.9	.00	29.32	992.8	120.4	.17	2.5
19:00	0.008444	14.6	13.3	.00	29.32	992.9	8.7	.01	2.7
20:00	0.008872	14.3	14.0	.00	29.32	993.0	-2.7	.00	38.2
21:00	0.009068	14.0	14.3	.00	29.33	993.1	-1.8	.00	63.0
22:00	0.008929	13.6	14.1	.00	29.32	993.1	-1.5	.00	54.5
23:00	0.00886	13.3	13.9	.00	29.33	993.2	-2.0	.00	70.1
Avg	0.00839	13.0	13.2	.00	29.35	994.0	255.6	.37	56.0
Max	0.009068	14.6	14.3	.00	29.42	996.2	849.6	1.22	294.9
Hr. of Max	21	19	21	23	10	10	13	13	03
Min	0.00762	11.9	12.0	.00	29.32	992.8	-2.7	.00	2.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	65.7	56.7	11.7	53.2	32.4	13.4	4.9	.6	1.4
01:00	49.9	65.9	37.0	62.1	43.3	9.3	6.9	.6	2.1
02:00	66.2	73.3	48.4	69.3	56.4	34.7	12.5	.4	1.7
03:00	330.3	53.9	300.4	49.5	41.6	22.7	12.4	.5	.3
04:00	43.5	55.3	54.3	50.9	24.4	21.9	8.8	.9	1.9
05:00	62.8	57.0	71.2	52.7	23.4	15.6	5.1	1.3	3.0
06:00	54.0	60.0	44.9	55.8	52.0	7.0	4.4	.5	2.6
07:00	48.2	60.1	49.0	56.0	17.3	8.6	5.1	1.4	3.1
08:00	66.6	66.2	68.4	62.6	20.6	17.2	13.5	1.5	2.8
09:00	64.0	61.0	81.7	57.9	30.0	26.5	19.4	3.2	4.3
10:00	86.2	81.0	97.6	77.3	19.2	16.7	16.1	5.5	6.6
11:00	90.7	86.5	104.4	82.2	21.7	18.7	15.9	5.7	6.5
12:00	95.0	89.9	109.4	85.8	20.5	19.0	17.9	5.5	6.2
13:00	102.6	98.5	108.1	94.9	26.0	23.2	22.9	5.2	5.7
14:00	81.9	74.0	93.5	70.1	25.0	24.1	25.4	5.9	6.6
15:00	76.8	73.6	87.9	69.0	27.5	23.3	18.4	6.2	7.4
16:00	57.2	60.0	78.9	56.0	41.7	35.7	33.8	3.5	4.9
17:00	29.2	31.2	37.2	26.8	35.4	26.7	23.4	2.5	4.6
18:00	19.4	21.2	6.3	15.1	27.4	14.9	11.7	2.2	5.2
19:00	23.5	25.1	13.4	18.4	31.6	10.8	6.8	1.0	5.1
20:00	75.0	43.4	51.3	38.2	16.5	5.3	7.5	.9	2.6
21:00	61.1	59.7	72.6	55.3	10.7	7.2	5.0	1.5	2.8
22:00	64.2	62.8	68.9	58.4	15.8	10.1	3.9	.8	2.3
23:00	58.8	56.1	78.9	51.8	7.7	8.2	3.6	1.3	2.1
Avg	60.0	61.0	62.0	57.0	27.8	17.5	12.7	.0	.0
Max	330.3	98.5	300.4	94.9	56.4	35.7	33.8	6.2	7.4
Hr. of Max	03	13	03	13	02	16	16	15	15
Min	19.4	21.2	6.3	15.1	7.7	5.3	3.6	.4	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	3.8	.8	1.4	3.8	1.2	4.2	.5	2.2	.01
01:00	3.8	.8	2.2	3.8	1.2	4.2	2.6	.2	.07
02:00	3.5	1.2	1.9	3.8	1.6	4.2	1.6	-.4	.04
03:00	1.3	.7	1.1	1.5	1.2	1.9	1.2	.6	.02
04:00	3.3	.9	1.9	3.3	1.3	3.7	2.5	.6	.05
05:00	5.5	1.6	3.3	5.6	2.0	6.0	1.3	-.4	.02
06:00	5.2	.5	2.6	5.3	.9	5.6	2.1	-.6	.04
07:00	5.1	1.4	3.1	5.2	1.7	5.6	.7	-1.1	.01
08:00	4.6	1.6	2.9	4.6	1.9	5.1	-.4	2.7	-.03
09:00	5.6	3.6	4.7	5.8	4.3	6.5	-.2	7.1	-.10
10:00	6.9	5.9	6.9	7.2	6.5	7.8	.4	1.0	-.02
11:00	6.9	6.0	6.8	7.2	6.7	7.7	.2	.2	-.04
12:00	6.4	5.8	6.6	6.8	6.5	7.4	.3	1.4	-.03
13:00	6.0	5.5	6.1	6.4	6.3	7.1	1.7	3.6	.09
14:00	7.4	6.4	7.1	7.9	7.1	8.6	2.1	3.7	.18
15:00	8.9	6.8	8.0	9.3	7.5	9.8	-1.5	.8	-.25
16:00	5.6	4.2	5.5	6.2	5.0	6.9	-.1	3.4	-.17
17:00	5.5	3.2	5.1	6.0	4.1	6.6	-4.2	1.7	-.51
18:00	6.7	2.4	5.4	6.8	2.9	7.3	-.7	-.9	-.19
19:00	7.4	1.1	5.1	7.4	1.6	7.8	-3.6	2.2	-.16
20:00	3.9	.9	2.6	4.0	1.3	4.3	3.4	1.0	.07
21:00	5.2	1.5	2.9	5.2	1.8	5.6	2.0	-.6	.06
22:00	5.2	.8	2.3	5.3	1.2	5.7	3.4	-.1	.07
23:00	4.9	1.3	2.2	5.0	1.6	5.3	2.1	-.9	.06
Avg	.0	2.7	4.1	5.6	3.2	6.0	.7	1.1	-.03
Max	8.9	6.8	8.0	9.3	7.5	9.8	3.4	7.1	.18
Hr. of Max	15	15	15	15	15	15	22	09	14
Min	1.3	.5	1.1	1.5	.9	1.9	-4.2	-1.1	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2014

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	.16	2.1	3.4	6.2	2.5	5.4	7.0	2.7
01:00	.01	3.0	6.0	9.8	2.9	7.6	7.1	3.9
02:00	-.03	2.7	4.1	7.8	3.1	7.5	7.4	3.2
03:00	.01	3.9	2.7	5.3	2.9	3.9	8.3	6.2
04:00	.03	3.2	3.9	6.4	3.8	7.0	8.3	3.7
05:00	-.05	4.4	6.6	11.9	3.9	7.9	8.8	2.8
06:00	-.07	3.4	7.6	11.0	2.9	7.7	8.2	2.8
07:00	-.11	3.2	7.1	11.2	3.4	9.1	6.8	3.2
08:00	.03	4.8	6.2	12.4	5.1	8.4	15.4	14.9
09:00	.52	10.8	12.4	12.6	11.4	13.7	21.1	18.0
10:00	-.03	11.4	13.5	17.4	12.1	14.4	14.9	16.3
11:00	-.03	12.6	14.0	13.1	12.6	13.6	14.6	13.5
12:00	.13	20.8	17.2	14.0	13.1	13.1	15.2	16.1
13:00	.40	15.1	16.0	19.5	12.0	12.7	18.4	18.9
14:00	.36	14.7	14.2	18.5	14.6	19.5	16.6	16.4
15:00	-.06	14.7	16.7	21.8	15.9	17.4	17.5	14.1
16:00	.25	11.7	18.5	24.0	13.2	14.2	23.8	20.3
17:00	-.05	10.8	10.8	11.2	11.2	11.7	21.6	17.9
18:00	-.18	7.8	9.8	11.0	10.2	12.0	20.1	8.1
19:00	.22	4.1	11.7	16.7	6.0	12.8	16.7	5.6
20:00	.05	2.3	4.4	6.4	2.4	6.5	8.8	5.0
21:00	-.07	2.7	5.5	8.9	3.2	7.3	5.5	2.5
22:00	-.01	3.0	4.1	10.1	2.6	7.5	6.8	2.4
23:00	-.09	2.7	4.6	9.2	2.9	7.4	5.4	2.1
Avg	.06	7.3	9.2	12.4	7.2	10.3	12.7	9.2
Max	.52	20.8	18.5	24.0	15.9	19.5	23.8	20.3
Hr. of Max	09	12	16	16	15	14	16	16
Min	-.18	2.1	2.7	5.3	2.4	3.9	5.4	2.1
Count	24	24	24	24	24	24	24	24
Total								