Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	20.6	20.9	21.1	21.3	.24	.52	.68	.27	.44
01:00	20.2	20.6	20.8	21.3	.38	.60	1.08	.22	.70
02:00	19.8	20.5	20.7	20.9	.68	.85	1.11	.18	.44
03:00	19.5	20.2	20.4	20.9	.71	.94	1.36	.24	.66
04:00	19.6	20.1	20.3	20.7	.55	.71	1.12	.16	.57
05:00	19.8	20.1	20.3	20.6	.30	.50	.77	.21	.47
06:00	20.1	20.3	20.4	20.7	.19	.33	.56	.14	.37
07:00	20.3	20.5	20.6	20.8	.12	.30	.46	.18	.34
08:00	21.5	21.2	21.2	21.3	-.21	-.26	-.18	-.05	.03
09:00	23.5	23.1	23.0	22.8	-.39	-.58	-.70	-.19	-.31
10:00	24.8	24.3	24.1	24.0	-.52	-.72	-.83	-.21	-.32
11:00	27.3	26.6	26.3	26.2	-.72	-.96	-1.07	-.25	-.36
12:00	29.1	28.3	28.0	27.9	-.84	-1.13	-1.22	-.28	-.37
13:00	30.4	29.5	29.2	29.1	-.82	-1.14	-1.23	-.33	-.42
14:00	31.1	30.4	30.1	30.0	-.71	-1.01	-1.09	-.31	-.38
15:00	31.8	31.1	30.7	30.7	-.72	-1.04	-1.09	-.32	-.38
16:00	31.9	31.3	31.0	30.8	-.60	-.89	-1.02	-.29	-.42
17:00	31.1	30.7	30.5	30.5	-.32	-.57	-.61	-.25	-.29
18:00	30.4	30.3	30.1	30.1	-.15	-.36	-.38	-.21	-.24
19:00	26.7	28.2	28.7	29.0	1.47	1.93	2.25	.46	.78
20:00	24.8	25.9	27.1	27.7	1.11	2.33	2.93	1.22	1.82
21:00	23.6	24.9	26.0	26.5	1.26	2.36	2.87	1.10	1.61
22:00	22.9	24.2	25.2	26.0	1.31	2.29	3.10	.98	1.79
23:00	22.4	23.5	24.5	25.5	1.07	2.04	3.03	.98	1.97
Avg	24.7	24.9	25.0	25.2	.14	.29	.50	.15	.35
Max	31.9	31.3	31.0	30.8	1.47	2.36	3.10	1.22	1.97
Hr. of Max	16	16	16	16	19	21	22	20	23
Min	19.5	20.1	20.3	20.6	-.84	-1.14	-1.23	-.33	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	19.6	19.9	19.9	25.7	95.9	96.8	16.8	17.2	0.014705
01:00	19.2	19.7	19.5	25.5	96.1	97.1	16.5	17.0	0.014356
02:00	18.8	19.7	19.2	25.3	96.1	97.2	16.1	16.9	0.014019
03:00	18.5	19.4	18.9	25.2	96.2	97.3	15.8	16.7	0.013755
04:00	18.6	19.3	18.9	25.0	96.3	97.4	15.9	16.6	0.013826
05:00	18.9	19.3	19.2	24.8	96.3	97.4	16.2	16.6	0.01406
06:00	19.1	19.5	19.4	24.7	96.2	97.3	16.4	16.7	0.014263
07:00	19.3	19.6	19.7	24.6	96.2	97.3	16.6	16.9	0.014484
08:00	20.2	20.2	20.6	24.5	95.0	96.1	17.5	17.5	0.015309
09:00	20.7	20.2	21.6	24.5	86.3	85.8	17.9	17.4	0.015788
10:00	21.3	20.6	22.5	24.6	83.2	82.1	18.5	17.7	0.016409
11:00	21.7	21.1	23.6	24.9	74.0	74.2	18.9	18.2	0.016909
12:00	21.6	21.0	24.1	25.4	66.1	66.7	18.7	18.0	0.016833
13:00	21.6	21.1	24.5	26.1	61.5	62.5	18.6	18.1	0.016822
14:00	20.9	20.5	24.3	26.7	56.4	57.3	17.7	17.4	0.016089
15:00	20.2	19.8	24.1	27.2	52.1	52.7	17.0	16.6	0.015482
16:00	20.5	19.9	24.3	27.5	52.7	52.7	17.3	16.8	0.015744
17:00	20.8	20.4	24.2	27.7	56.3	55.9	17.7	17.3	0.016059
18:00	21.2	20.8	24.3	27.8	59.6	58.6	18.1	17.7	0.01641
19:00	22.5	21.7	23.9	27.9	80.3	70.0	19.8	18.8	0.017777
20:00	22.2	22.0	23.1	27.8	88.3	81.3	19.6	19.2	0.017446
21:00	21.6	21.7	22.3	27.6	91.0	84.9	18.9	19.0	0.01677
22:00	21.2	21.6	21.8	27.4	92.5	87.6	18.5	18.8	0.016315
23:00	20.9	21.4	21.4	27.1	93.2	90.2	18.1	18.6	0.015988
Avg	20.5	20.4	21.9	26.1	81.6	80.7	17.6	17.6	0.015651
Max	22.5	22.0	24.5	27.9	96.3	97.4	19.8	19.2	0.017777
Hr. of Max	19	20	13	19	05	05	19	20	19
Min	18.5	19.3	18.9	24.5	52.1	52.7	15.8	16.6	0.013755
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	0.015059	22.8	23.4	.00	29.17	988.0	-1.5	.00	301.7
01:00	0.014851	22.3	23.0	.00	29.18	988.0	-2.3	.00	247.2
02:00	0.014784	21.8	22.9	.00	29.18	988.1	-2.4	.00	278.6
03:00	0.014533	21.4	22.6	.00	29.19	988.4	-2.3	.00	281.8
04:00	0.014462	21.5	22.5	.00	29.20	988.7	-3.2	.00	298.4
05:00	0.01448	21.9	22.5	.00	29.20	988.9	-2.4	.00	240.1
06:00	0.014598	22.2	22.7	.00	29.20	989.0	-1.9	.00	226.4
07:00	0.014756	22.5	22.9	.00	29.21	989.2	17.9	.03	39.2
08:00	0.015282	23.8	23.7	.00	29.21	989.2	163.7	.23	46.4
09:00	0.015332	24.5	23.8	.00	29.21	989.2	410.8	.59	174.4
10:00	0.015703	25.4	24.4	.00	29.21	989.4	508.3	.73	211.0
11:00	0.016257	26.2	25.2	.00	29.21	989.3	757.8	1.09	225.0
12:00	0.016185	26.1	25.1	.00	29.20	989.0	860.3	1.23	224.0
13:00	0.016302	26.0	25.2	.00	29.19	988.4	863.3	1.24	219.4
14:00	0.015716	24.9	24.3	.00	29.17	987.8	844.7	1.21	217.3
15:00	0.015022	24.0	23.3	.00	29.14	987.0	818.6	1.17	231.2
16:00	0.015206	24.4	23.5	.00	29.13	986.5	657.2	.94	230.3
17:00	0.015643	24.8	24.2	.00	29.12	986.2	362.8	.52	224.8
18:00	0.016006	25.3	24.7	.00	29.12	986.1	156.1	.22	222.9
19:00	0.016913	27.4	26.1	.00	29.12	986.0	39.5	.06	286.0
20:00	0.017152	26.9	26.5	.00	29.13	986.5	-1.3	.00	335.0
21:00	0.016879	25.9	26.1	.00	29.14	986.9	-2.5	.00	339.8
22:00	0.016713	25.2	25.8	.00	29.16	987.5	-1.8	.00	335.5
23:00	0.016501	24.8	25.5	.00	29.17	987.7	-2.4	.00	292.3
Avg	0.015597	24.3	24.2	.00	29.17	988.0	268.2	.39	258.0
Max	0.017152	27.4	26.5	.00	29.21	989.4	863.3	1.24	339.8
Hr. of Max	20	19	20	23	11	10	13	13	21
Min	0.014462	21.4	22.5	.00	29.12	986.0	-3.2	.00	39.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	233.2	182.1	290.7	234.0	33.1	52.7	42.1	.5	.1
01:00	91.2	304.4	252.8	295.3	44.9	55.5	56.9	.5	.1
02:00	161.6	196.8	279.0	201.1	36.6	29.4	26.2	.8	.6
03:00	235.2	254.3	284.3	239.4	48.4	51.5	44.5	.5	.6
04:00	70.3	114.7	301.9	115.1	56.2	34.5	18.5	.3	.3
05:00	34.0	64.4	258.9	51.2	56.4	33.5	25.7	.3	.1
06:00	35.0	110.5	259.2	122.3	47.1	71.3	19.4	.2	.0
07:00	36.9	71.3	3.2	67.0	64.1	37.5	12.9	.2	.6
08:00	28.5	84.0	356.9	77.3	50.6	45.7	40.3	.2	.5
09:00	116.7	132.8	184.0	132.4	55.3	48.1	50.5	.6	.7
10:00	200.9	208.5	212.0	209.1	43.3	31.7	27.6	1.4	2.0
11:00	221.3	226.1	224.4	227.2	38.9	31.0	25.8	2.9	3.9
12:00	211.3	216.5	224.5	217.2	30.8	25.2	20.7	4.6	5.8
13:00	209.8	216.6	220.2	217.9	30.0	27.0	21.7	4.7	6.2
14:00	208.3	215.3	219.5	216.8	24.1	17.5	13.9	6.0	8.3
15:00	218.6	225.0	233.3	226.9	25.5	17.1	12.3	6.6	9.4
16:00	219.8	225.2	230.9	226.6	26.9	19.3	14.9	5.5	7.9
17:00	211.3	217.0	226.3	218.4	25.4	17.4	13.1	4.5	7.0
18:00	207.8	213.5	223.3	214.8	22.3	15.7	11.6	3.5	5.8
19:00	208.7	206.3	279.8	207.2	18.7	16.7	7.3	.9	2.5
20:00	179.4	183.2	326.7	183.6	24.7	28.1	8.4	.9	.7
21:00	242.2	202.7	330.9	203.0	21.4	41.7	12.0	.5	.2
22:00	183.5	216.6	329.3	217.3	29.5	49.8	14.6	.8	.3
23:00	193.4	240.5	274.9	241.4	43.3	41.9	11.1	.8	1.1
Avg	193.0	198.0	262.0	204.0	37.4	35.0	23.0	.0	.0
Max	242.2	304.4	356.9	295.3	64.1	71.3	56.9	6.6	9.4
Hr. of Max	21	01	08	01	07	06	01	15	15
Min	28.5	64.4	3.2	51.2	18.7	15.7	7.3	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	.1	.6	.3	.2	.8	.5	.8	.0	.01
01:00	.5	.7	.2	.6	1.0	.8	1.4	-1.5	.01
02:00	.9	.8	.6	.9	1.2	1.2	.8	-.7	.00
03:00	.6	.6	.7	.7	1.0	1.0	.6	.8	-.01
04:00	.7	.5	.4	.8	.9	1.1	1.7	.5	.04
05:00	.3	.4	.1	.3	.8	.7	.8	1.0	.01
06:00	.2	.3	.0	.2	.9	.6	3.0	.1	.04
07:00	.9	.2	.6	.9	.6	1.3	3.1	-.6	.03
08:00	.6	.5	.6	.8	1.0	1.1	-1.6	-5.4	-.03
09:00	.9	1.1	1.3	1.2	1.7	1.8	6.9	9.4	.27
10:00	2.4	2.2	2.6	2.8	2.6	3.3	4.0	-.3	.10
11:00	4.7	3.5	4.3	5.0	4.2	5.5	1.6	-1.0	.00
12:00	6.6	5.3	6.5	7.0	5.9	7.6	.3	.7	-.18
13:00	7.7	5.2	6.7	8.1	6.0	8.7	.3	1.6	-.19
14:00	10.0	6.5	8.7	10.3	7.3	10.9	-.3	-1.0	-.30
15:00	11.5	7.2	9.8	11.8	7.8	12.4	-2.2	-1.2	-.54
16:00	9.8	6.1	8.3	10.1	6.9	10.8	-.9	.2	-.38
17:00	9.2	5.0	7.4	9.4	5.4	9.9	1.0	.8	-.12
18:00	7.4	3.8	6.0	7.6	4.2	8.0	1.2	-.2	-.08
19:00	5.0	1.4	2.6	5.0	1.7	5.3	.0	.4	-.01
20:00	3.6	.9	.9	3.7	1.1	3.8	1.2	.6	.02
21:00	2.1	.6	.7	2.2	.8	2.4	.4	-.4	.00
22:00	2.0	.9	.5	2.2	1.1	2.4	1.0	-1.1	.01
23:00	2.9	.9	1.3	3.1	1.1	3.2	1.1	1.1	.00
Avg	.0	2.3	3.0	4.0	2.8	4.3	1.1	.2	-.05
Max	11.5	7.2	9.8	11.8	7.8	12.4	6.9	9.4	.27
Hr. of Max	15	15	15	15	15	15	09	09	09
Min	.1	.2	.0	.2	.6	.5	-2.2	-5.4	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/02/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2014

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	.00	1.8	2.3	2.7	1.9	1.7	8.4	8.9
01:00	-.03	1.8	1.8	2.5	2.0	2.9	7.4	16.2
02:00	-.01	3.0	2.7	2.3	2.9	2.5	6.7	7.9
03:00	.01	3.7	3.0	4.1	2.6	2.7	8.3	14.6
04:00	.02	1.8	1.6	2.1	1.9	2.2	7.3	8.7
05:00	.01	1.8	1.4	1.6	2.3	1.8	6.5	8.4
06:00	.01	2.3	.0	1.8	2.3	2.6	7.5	10.8
07:00	-.01	1.8	2.3	2.1	2.1	2.5	8.6	7.5
08:00	-.12	2.5	2.3	2.5	3.0	2.7	19.3	14.5
09:00	.45	4.8	5.0	5.7	5.5	6.4	32.6	36.3
10:00	-.13	7.3	7.8	8.9	8.1	8.1	25.2	24.3
11:00	-.26	7.8	11.2	11.0	10.3	11.7	22.2	19.6
12:00	-.06	14.4	15.8	16.5	12.5	14.4	17.9	16.5
13:00	-.03	12.6	25.0	16.7	13.9	16.9	17.7	15.2
14:00	-.33	13.7	17.2	18.5	18.3	19.3	17.5	10.3
15:00	-.41	16.7	16.7	18.5	17.1	20.0	16.7	9.5
16:00	-.12	14.9	20.6	21.8	16.1	19.3	17.0	11.0
17:00	-.02	11.9	19.2	18.8	16.2	18.1	19.1	10.3
18:00	-.12	10.5	14.2	15.1	12.0	15.7	18.0	9.2
19:00	.02	7.8	12.1	15.1	5.5	10.6	12.1	5.2
20:00	.03	2.5	3.4	7.1	2.4	7.4	9.5	6.1
21:00	-.03	2.3	2.5	5.5	2.4	5.6	8.5	8.5
22:00	-.07	3.0	2.7	6.2	3.3	5.9	9.8	8.1
23:00	.06	3.0	3.4	5.5	3.7	5.4	7.8	3.6
Avg	-.05	6.4	8.1	8.9	7.0	8.6	13.8	12.1
Max	.45	16.7	25.0	21.8	18.3	20.0	32.6	36.3
Hr. of Max	09	15	13	16	14	15	09	09
Min	-.41	1.8	.0	1.6	1.9	1.7	6.5	3.6
Count	24	24	24	24	24	24	24	24
Total								