Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	16.9	17.9	18.3	18.8	1.02	1.42	1.89	.40	.87
01:00	16.4	17.3	17.8	18.6	.90	1.39	2.17	.49	1.27
02:00	16.0	17.1	17.5	18.3	1.09	1.44	2.27	.35	1.18
03:00	15.7	16.7	17.0	17.9	1.05	1.38	2.25	.33	1.20
04:00	15.7	16.5	17.0	17.5	.79	1.27	1.78	.47	.99
05:00	15.4	16.3	17.0	17.4	.84	1.55	2.02	.71	1.17
06:00	15.1	16.2	17.1	17.7	1.04	2.00	2.58	.96	1.55
07:00	15.4	16.3	16.9	17.3	.93	1.52	1.85	.58	.91
08:00	17.1	17.4	17.7	18.0	.27	.56	.86	.30	.59
09:00	19.9	19.3	19.1	19.0	-.57	-.79	-.82	-.23	-.25
10:00	22.5	21.7	21.3	21.3	-.84	-1.20	-1.27	-.36	-.43
11:00	24.9	23.8	23.5	23.4	-1.01	-1.41	-1.50	-.39	-.49
12:00	26.3	25.6	25.3	25.2	-.69	-1.01	-1.11	-.32	-.42
13:00	25.7	25.4	25.1	25.1	-.38	-.61	-.65	-.23	-.27
14:00	25.9	25.2	25.0	24.9	-.68	-.95	-.98	-.27	-.30
15:00	25.5	25.2	25.1	25.1	-.25	-.40	-.35	-.15	-.10
16:00	21.7	21.5	21.5	21.7	-.21	-.22	.00	-.01	.22
17:00	22.1	21.9	21.7	21.9	-.25	-.36	-.17	-.11	.08
18:00	22.6	22.5	22.4	22.5	-.07	-.16	-.05	-.09	.02
19:00	22.0	22.3	22.3	22.5	.31	.32	.52	.01	.22
20:00	20.8	21.6	21.7	22.1	.78	.89	1.28	.10	.50
21:00	20.0	21.4	21.7	22.1	1.43	1.72	2.07	.29	.64
22:00	19.8	21.4	21.5	21.6	1.53	1.67	1.81	.14	.28
23:00	16.7	19.2	20.4	20.9	2.54	3.70	4.23	1.17	1.69
Avg	20.0	20.4	20.6	20.9	.40	.57	.86	.17	.46
Max	26.3	25.6	25.3	25.2	2.54	3.70	4.23	1.17	1.69
Hr. of Max	12	12	12	12	23	23	23	23	23
Min	15.1	16.2	16.9	17.3	-1.01	-1.41	-1.50	-.39	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	15.3	16.6	15.8	24.8	91.8	94.2	13.0	14.1	0.011151
01:00	14.9	16.3	15.4	24.5	92.6	95.4	12.7	13.8	0.010939
02:00	14.6	16.2	15.1	24.2	92.6	95.8	12.5	13.7	0.010676
03:00	14.3	15.8	14.7	23.9	93.1	95.9	12.2	13.4	0.010477
04:00	14.4	15.6	14.8	23.7	93.3	96.3	12.3	13.3	0.010544
05:00	14.1	15.4	14.5	23.4	93.5	96.3	12.1	13.1	0.010363
06:00	13.9	15.3	14.3	23.2	93.7	96.3	11.9	13.0	0.010192
07:00	14.3	15.5	14.7	23.0	94.8	96.7	12.3	13.2	0.010507
08:00	15.5	16.2	16.0	22.8	91.9	94.5	13.2	13.7	0.011339
09:00	16.2	15.8	17.4	22.7	81.0	81.8	13.6	13.3	0.011863
10:00	16.6	16.2	18.6	22.7	70.5	72.7	13.9	13.6	0.012187
11:00	17.0	16.9	19.6	23.0	63.3	66.6	14.2	14.1	0.012593
12:00	17.6	17.6	20.5	23.4	60.2	62.6	14.6	14.7	0.01305
13:00	18.1	18.0	20.7	23.9	64.6	65.6	15.2	15.1	0.013511
14:00	18.8	18.6	21.1	24.2	66.7	68.8	15.8	15.7	0.014102
15:00	18.7	18.6	20.9	24.4	68.1	68.8	15.7	15.7	0.014035
16:00	19.5	19.4	20.3	24.5	89.6	89.8	16.7	16.6	0.014763
17:00	20.2	20.1	20.9	24.5	91.4	91.8	17.5	17.3	0.015448
18:00	20.4	20.3	21.1	24.5	90.0	89.5	17.7	17.5	0.015645
19:00	20.4	20.5	20.9	24.4	93.4	92.3	17.7	17.8	0.015638
20:00	19.6	20.3	20.0	24.3	95.0	94.7	16.9	17.6	0.014819
21:00	18.8	20.1	19.2	24.2	95.1	94.2	16.1	17.3	0.014089
22:00	18.0	17.7	18.6	24.0	91.2	81.7	15.3	15.0	0.013379
23:00	14.9	13.3	15.5	23.8	90.8	70.0	12.7	11.4	0.010893
Avg	16.9	17.3	17.9	23.8	85.3	85.5	14.4	14.8	0.012592
Max	20.4	20.5	21.1	24.8	95.1	96.7	17.7	17.8	0.015645
Hr. of Max	19	19	18	00	21	07	19	19	18
Min	13.9	13.3	14.3	22.7	60.2	62.6	11.9	11.4	0.010192
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	0.012206	17.4	19.0	.00	29.13	986.5	-2.4	.00	354.3
01:00	0.01193	17.0	18.6	.00	29.11	985.9	-3.5	.00	239.0
02:00	0.011835	16.6	18.4	.00	29.11	985.7	-3.6	-.01	239.7
03:00	0.011537	16.3	17.9	.00	29.09	985.3	-3.7	-.01	256.0
04:00	0.011441	16.4	17.8	.00	29.09	985.0	-3.4	.00	229.6
05:00	0.011266	16.1	17.5	.00	29.08	984.7	-2.8	.00	256.6
06:00	0.011193	15.9	17.4	.00	29.09	985.1	-1.3	.00	231.0
07:00	0.011377	16.4	17.7	.00	29.09	985.1	12.8	.02	233.3
08:00	0.011854	17.6	18.4	.00	29.10	985.6	168.5	.24	226.7
09:00	0.011576	18.4	18.0	.00	29.10	985.4	382.8	.55	219.0
10:00	0.011939	18.9	18.6	.00	29.10	985.6	545.2	.78	213.9
11:00	0.012466	19.5	19.4	.00	29.09	985.2	656.0	.94	205.0
12:00	0.01303	20.2	20.2	.00	29.07	984.5	411.8	.59	231.9
13:00	0.013437	20.9	20.8	.00	29.05	983.9	257.7	.37	240.7
14:00	0.013976	21.8	21.6	.00	29.03	983.2	452.0	.65	238.3
15:00	0.013971	21.7	21.6	.00	29.01	982.4	126.1	.18	235.1
16:00	0.014609	22.8	22.5	.03	29.01	982.3	67.5	.10	227.4
17:00	0.015282	23.8	23.5	.00	28.99	981.8	131.9	.19	226.7
18:00	0.015485	24.1	23.9	.00	29.00	982.0	66.3	.09	237.1
19:00	0.015747	24.1	24.3	.00	29.01	982.3	17.8	.03	271.9
20:00	0.015504	22.9	23.9	.00	29.02	982.9	-3.2	.00	273.0
21:00	0.015253	21.8	23.5	.00	29.05	983.9	-3.2	.00	275.4
22:00	0.013166	20.7	20.4	.01	29.07	984.6	-3.5	.00	288.5
23:00	0.009829	17.0	15.3	.00	29.09	985.1	-2.8	.00	334.7
Avg	0.012913	19.5	20.0	.00	29.07	984.3	136.0	.20	245.0
Max	0.015747	24.1	24.3	.03	29.13	986.5	656.0	.94	354.3
Hr. of Max	19	19	19	16	00	00	11	11	00
Min	0.009829	15.9	15.3	.00	28.99	981.8	-3.7	-.01	205.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	68.7	113.9	355.7	120.5	58.7	16.9	50.6	.4	.7
01:00	307.9	250.7	260.9	252.0	59.6	31.9	14.9	.5	.4
02:00	225.3	234.1	249.2	235.0	17.8	36.2	6.4	1.0	.9
03:00	230.7	233.5	261.8	234.4	39.0	13.4	13.0	.9	2.5
04:00	245.9	194.3	250.5	195.3	57.1	18.9	14.8	.7	1.5
05:00	256.9	214.1	268.9	214.6	48.4	15.5	18.1	.7	1.6
06:00	252.4	261.0	241.8	261.5	8.3	10.1	7.1	2.0	2.5
07:00	244.0	231.7	245.0	232.7	9.4	7.5	5.2	2.8	4.4
08:00	245.5	232.8	239.3	234.3	15.0	9.1	5.0	1.6	3.3
09:00	230.7	229.2	233.3	230.5	22.1	16.7	12.9	3.3	4.2
10:00	224.7	223.8	226.4	225.4	24.1	18.0	14.9	4.5	6.1
11:00	215.5	218.8	217.9	220.0	25.0	18.5	15.5	5.5	7.2
12:00	237.5	235.2	243.7	236.1	27.8	20.1	16.7	5.1	7.5
13:00	245.6	244.1	252.8	244.9	27.3	23.3	18.2	5.7	8.3
14:00	245.4	243.6	249.2	245.8	26.5	20.5	15.1	4.7	6.6
15:00	238.2	235.9	245.4	238.2	23.8	14.5	10.7	4.5	7.6
16:00	244.7	241.8	239.4	243.8	31.2	16.9	8.2	2.5	4.7
17:00	236.5	233.4	236.0	235.2	51.5	29.6	18.2	1.3	2.6
18:00	234.8	228.7	247.4	230.9	24.5	17.2	12.6	1.4	2.8
19:00	223.2	202.4	276.6	204.3	23.6	17.4	10.5	.8	1.9
20:00	243.9	216.7	279.2	219.9	15.6	9.5	4.6	1.3	2.7
21:00	268.2	259.3	282.9	260.8	15.7	9.8	8.9	2.1	4.5
22:00	312.5	320.4	295.5	317.3	41.4	33.5	25.5	1.8	3.3
23:00	20.3	16.2	337.0	11.6	39.3	36.1	17.4	1.3	3.4
Avg	246.0	233.0	257.0	235.0	30.5	19.2	14.4	.0	.0
Max	312.5	320.4	355.7	317.3	59.6	36.2	50.6	5.7	8.3
Hr. of Max	22	22	00	22	01	02	00	13	13
Min	20.3	16.2	217.9	11.6	8.3	7.5	4.6	.4	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	.2	.4	.8	.5	.7	1.0	2.7	-.6	.04
01:00	1.4	.7	.6	1.4	1.0	1.8	1.7	1.8	.03
02:00	1.8	1.0	1.0	1.8	1.6	2.2	1.3	-.5	.03
03:00	2.6	1.0	2.6	2.7	1.5	3.1	-.3	.9	-.03
04:00	1.9	.8	1.6	1.9	1.3	2.3	2.0	.2	.02
05:00	1.7	1.0	1.6	2.0	1.5	2.3	2.7	.5	.06
06:00	4.4	2.1	2.6	4.4	2.6	4.8	.0	.8	-.01
07:00	5.6	3.0	4.5	5.8	3.6	6.2	-1.7	.0	-.12
08:00	4.9	1.7	3.4	4.9	2.2	5.3	-1.4	-.4	-.10
09:00	4.8	3.5	4.4	5.0	4.1	5.5	-3.4	-4.1	-.32
10:00	7.1	4.8	6.3	7.3	5.5	8.0	-.9	-3.5	-.23
11:00	8.2	6.0	7.5	8.5	6.6	9.2	.9	-1.3	-.18
12:00	9.2	5.8	8.0	9.6	6.6	10.4	.0	1.7	-.23
13:00	10.6	6.7	9.4	11.7	7.5	12.5	-.8	-.3	-.37
14:00	8.2	5.3	7.2	8.9	6.0	9.6	-.8	-1.9	-.40
15:00	10.2	4.8	7.8	10.4	5.7	11.1	-.7	1.0	-.33
16:00	7.1	2.7	4.9	7.2	3.3	7.7	1.3	.5	.01
17:00	3.9	1.8	3.0	4.2	2.4	4.6	1.6	-.3	-.01
18:00	4.1	1.5	2.9	4.2	2.1	4.7	-.4	.7	-.08
19:00	3.6	.9	2.0	3.7	1.3	4.1	-2.9	-.9	-.08
20:00	4.0	1.5	2.7	4.0	1.8	4.4	-3.8	-1.6	-.12
21:00	6.5	2.1	4.6	6.8	2.5	7.1	-2.8	-.4	-.15
22:00	5.2	2.2	3.9	5.7	2.7	6.1	-2.8	-1.5	-.26
23:00	5.5	1.5	3.6	5.8	1.9	6.2	-2.3	.7	-.11
Avg	.0	2.6	4.0	5.4	3.2	5.8	-.5	-.4	-.12
Max	10.6	6.7	9.4	11.7	7.5	12.5	2.7	1.8	.06
Hr. of Max	13	13	13	13	13	13	05	01	05
Min	.2	.4	.6	.5	.7	1.0	-3.8	-4.1	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2014

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	.02	2.3	2.1	4.1	2.6	2.6	9.2	10.4
01:00	.04	2.7	2.1	3.0	3.2	3.7	7.1	8.8
02:00	-.02	2.3	3.4	3.2	3.0	3.0	5.1	3.0
03:00	.05	3.0	5.3	4.6	3.7	4.8	7.1	3.1
04:00	.02	4.4	6.6	8.0	3.9	4.8	8.8	4.4
05:00	.03	2.3	3.2	4.4	2.9	4.0	6.9	5.2
06:00	.05	4.4	6.2	7.6	4.9	7.9	4.4	3.2
07:00	.00	6.6	8.7	10.8	5.7	8.4	5.1	2.6
08:00	-.05	6.6	9.4	12.4	5.1	7.4	10.9	3.3
09:00	-.44	8.2	8.5	10.5	8.8	9.8	15.9	10.1
10:00	-.63	11.0	11.7	13.1	12.6	14.3	17.2	12.4
11:00	-.32	14.7	15.6	20.4	15.6	15.9	17.7	11.8
12:00	.08	17.4	21.3	21.1	18.8	22.5	17.2	11.6
13:00	-.19	18.5	22.2	27.9	20.9	28.9	17.6	9.6
14:00	-.42	15.3	16.5	19.9	17.3	20.6	18.5	9.8
15:00	.09	16.0	20.6	22.2	16.4	24.9	16.2	7.8
16:00	.06	20.6	24.5	34.6	21.4	26.8	16.6	4.9
17:00	.00	5.7	6.9	7.3	6.2	8.3	17.5	8.7
18:00	-.02	6.4	6.9	9.2	7.7	9.7	15.4	9.6
19:00	-.06	2.1	4.8	8.9	3.0	7.3	12.3	6.3
20:00	-.11	3.0	3.7	6.2	3.4	6.0	6.4	3.4
21:00	-.09	7.3	9.8	11.9	7.9	13.5	9.3	4.6
22:00	-.36	8.5	17.6	19.2	9.1	13.1	22.4	16.6
23:00	.03	4.1	7.8	11.2	4.4	11.6	10.6	6.9
Avg	-.09	8.1	10.2	12.6	8.7	11.7	12.3	7.4
Max	.09	20.6	24.5	34.6	21.4	28.9	22.4	16.6
Hr. of Max	15	16	16	16	16	13	22	22
Min	-.63	2.1	2.1	3.0	2.6	2.6	4.4	2.6
Count	24	24	24	24	24	24	24	24
Total								