Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	16.0	17.0	17.4	17.6	.93	1.32	1.51	.39	.58
01:00	16.4	16.9	17.1	17.2	.55	.72	.86	.17	.31
02:00	16.1	16.8	16.9	17.0	.63	.76	.90	.13	.28
03:00	15.7	16.2	16.4	16.5	.48	.66	.79	.19	.31
04:00	16.2	16.5	16.5	16.5	.27	.26	.32	-.01	.05
05:00	15.7	16.5	16.6	16.6	.72	.82	.91	.09	.18
06:00	14.7	15.3	16.0	16.3	.64	1.27	1.58	.64	.94
07:00	15.4	15.9	16.1	16.3	.46	.66	.83	.20	.37
08:00	18.1	17.8	17.6	17.4	-.27	-.52	-.67	-.25	-.40
09:00	19.4	18.8	18.5	18.4	-.54	-.84	-.99	-.29	-.45
10:00	20.5 P	19.9 P	19.5 P	19.4 P	P	P	P	P	P
11:00	21.7	21.0	20.8	20.6	-.63	-.90	-1.12	-.26	-.49
12:00	23.3	22.6	22.2	22.0	-.77	-1.15	-1.35	-.37	-.58
13:00	24.1	23.2	22.9	22.9	-.88	-1.12	-1.18	-.24	-.30
14:00	25.2	24.4	24.1	23.9	-.80	-1.11	-1.26	-.31	-.46
15:00	25.2	24.7	24.5	24.4	-.43	-.71	-.81	-.28	-.38
16:00	26.0	25.5	25.2	25.1	-.54	-.83	-.97	-.29	-.44
17:00	23.1	22.7	22.4	22.4	-.37	-.63	-.68	-.26	-.31
18:00	19.6	19.3	19.2	19.1	-.23	-.41	-.42	-.18	-.18
19:00	19.2	19.4	19.6	19.7	.22	.38	.52	.17	.30
20:00	18.1	18.3	18.6	18.9	.21	.54	.84	.33	.63
21:00	17.3	17.8	18.0	18.4	.46	.72	1.06	.27	.60
22:00	16.6	17.1	17.3	17.6	.48	.72	1.03	.24	.55
23:00	16.2	16.7	16.9	17.2	.52	.70	1.05	.18	.53
Avg	19.2	19.2	19.2	19.2	.05	.06	.12	.01	.07
Max	26.0	25.5	25.2	25.1	.93	1.32	1.58	.64	.94
Hr. of Max	16	16	16	16	00	00	06	06	06
Min	14.7	15.3	16.0	16.3	-.88	-1.15	-1.35	-.37	-.58
Count	24	24	24	24	23	23	23	23	23
Total									

Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	15.1	15.0	15.4	23.3	96.0	89.7	12.9	12.8	0.011065
01:00	15.4	14.9	15.7	23.0	95.6	89.8	13.1	12.7	0.011239
02:00	14.9	14.8	15.3	22.8	94.2	89.8	12.7	12.6	0.010935
03:00	14.7	14.5	15.0	22.6	95.3	91.5	12.6	12.4	0.010767
04:00	14.9	14.6	15.4	22.4	93.8	90.0	12.8	12.4	0.010945
05:00	14.5	14.6	14.9	22.2	94.0	90.4	12.4	12.5	0.01063
06:00	13.8	14.3	14.1	22.0	96.0	95.4	11.9	12.3	0.010145
07:00	14.6	14.5	14.9	21.8	96.3	93.4	12.5	12.4	0.010681
08:00	15.1	14.5	16.1	21.7	84.5	82.4	12.8	12.3	0.011079
09:00	14.7	14.1	16.3	21.5	76.0	75.5	12.5	12.0	0.0108
10:00	P	P	P	21.5 P	70.6 P	70.0 P	P	P	P
11:00	14.9	14.1	17.1	21.7	66.6	65.9	12.5	11.9	0.010925
12:00	15.4	14.6	18.0	22.0	62.3	61.9	12.9	12.3	0.011321
13:00	15.6	14.7	18.4	22.6	60.7	60.3	13.0	12.3	0.011509
14:00	15.7	14.9	18.8	23.2	57.0	56.9	13.1	12.5	0.011567
15:00	15.7	14.9	18.8	23.6	57.0	55.7	13.1	12.5	0.011578
16:00	15.3	14.4	18.9	23.8	52.9	51.5	12.7	12.0	0.011321
17:00	15.3	14.9	17.9	24.0	63.8	63.9	12.8	12.5	0.011238
18:00	15.8	15.4	17.1	24.1	80.5	79.7	13.3	13.0	0.011605
19:00	16.4	15.6	17.3	24.1	85.6	80.4	13.9	13.2	0.012059
20:00	16.5	16.3	17.0	24.0	92.3	90.2	14.0	13.8	0.01211
21:00	15.9	16.2	16.4	23.8	93.4	92.3	13.5	13.7	0.011665
22:00	15.5	16.1	15.9	23.6	94.8	95.6	13.2	13.7	0.011335
23:00	15.2	15.8	15.5	23.3	95.4	96.1	12.9	13.4	0.011085
Avg	15.3	14.9	16.5	22.9	81.4	79.5	12.9	12.7	0.0112
Max	16.5	16.3	18.9	24.1	96.3	96.1	14.0	13.8	0.01211
Hr. of Max	20	20	16	19	07	23	20	20	20
Min	13.8	14.1	14.1	21.5	52.9	51.5	11.9	11.9	0.010145
Count	23	23	23	24	24	24	23	23	23
Total									

Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	0.010974	17.2	17.1	.00	29.11	985.7	-3.3	.00	345.9
01:00	0.01093	17.5	17.0	.00	29.10	985.5	-2.9	.00	14.0
02:00	0.01085	17.0	16.9	.00	29.09	985.1	-2.0	.00	39.0
03:00	0.010655	16.8	16.6	.00	29.09	985.1	-2.9	.00	14.9
04:00	0.010688	17.0	16.6	.00	29.08	985.0	-1.7	.00	48.6
05:00	0.010711	16.5	16.7	.00	29.08	984.8	-2.7	.00	50.0
06:00	0.010506	15.8	16.4	.00	29.09	985.1	8.5	.01	280.1
07:00	0.010659	16.6	16.6	.00	29.10	985.4	99.3	.14	359.3
08:00	0.010625	17.3	16.6	.00	29.11	985.8	351.3	.50	71.3
09:00	0.010372	16.8	16.2	.00	29.11	985.9	503.2	.72	85.6
10:00	P	P	P	.00 P	29.11 P	985.9 P	602.6 P	.86 P	78.0 P
11:00	0.01039	17.0	16.2	.00	29.12	986.0	670.2	.96	262.7
12:00	0.010735	17.6	16.7	.00	29.11	985.7	944.8	1.35	352.0
13:00	0.010831	17.9	16.9	.00	29.09	985.2	837.3	1.20	287.0
14:00	0.011013	18.0	17.1	.00	29.07	984.5	946.9	1.36	218.0
15:00	0.011019	18.0	17.1	.00	29.06	984.0	462.3	.66	164.3
16:00	0.010666	17.6	16.6	.00	29.04	983.5	463.9	.67	276.3
17:00	0.010989	17.5	17.1	.00	29.05	983.7	228.3	.33	215.6
18:00	0.011329	18.0	17.6	.00	29.05	983.7	108.3	.16	119.0
19:00	0.01147	18.7	17.8	.00	29.06	984.2	51.8	.07	21.0
20:00	0.011985	18.8	18.6	.00	29.08	984.7	7.3	.01	348.3
21:00	0.011867	18.1	18.4	.01	29.09	985.0	-2.2	.00	318.4
22:00	0.011774	17.6	18.3	.00	29.10	985.5	-1.8	.00	347.0
23:00	0.011542	17.3	18.0	.00	29.11	985.8	-2.3	.00	331.5
Avg	0.010982	17.4	17.1	.00	29.09	985.0	261.0	.38	360.0
Max	0.011985	18.8	18.6	.01	29.12	986.0	946.9	1.36	359.3
Hr. of Max	20	20	20	21	11	11	14	14	07
Min	0.010372	15.8	16.2	.00	29.04	983.5	-3.3	.00	14.0
Count	23	23	23	24	24	24	24	24	24
Total									

Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	53.2	58.1	345.7	53.7	44.2	15.5	12.8	.7	2.3
01:00	46.9	56.3	17.8	52.1	39.4	17.1	11.3	1.5	3.1
02:00	53.3	61.8	39.8	57.8	21.7	12.2	9.4	2.3	4.9
03:00	37.1	44.4	13.2	39.3	32.9	12.2	7.8	1.0	4.0
04:00	56.8	61.1	49.3	56.8	29.0	16.0	11.0	1.7	3.6
05:00	64.5	55.3	57.2	51.5	29.5	19.6	14.9	.7	2.1
06:00	24.8	55.3	282.7	50.9	32.2	44.9	13.5	.7	.9
07:00	60.9	75.6	358.0	71.9	29.4	26.0	10.7	.6	1.4
08:00	66.4	66.0	73.4	62.7	29.6	21.3	15.6	3.6	5.4
09:00	81.9	80.3	88.0	76.8	24.7	21.3	17.7	4.8	5.9
10:00	70.6 P	68.6 P	77.5 P	64.1 P	32.6 P	33.0 P	22.4 P	3.3 P	4.2 P
11:00	253.2	248.0	250.2	279.5	55.5	51.4	52.8	.6	.6
12:00	346.9	332.5	358.0	329.3	64.6	54.3	52.4	1.0	1.7
13:00	293.4	283.4	282.5	283.0	83.7	83.7	63.6	.5	.8
14:00	222.9	281.2	233.1	278.1	61.5	57.8	59.2	.9	.8
15:00	189.9	221.0	175.8	230.2	56.0	62.3	69.5	.7	.7
16:00	316.2	311.4	273.9	303.3	62.6	51.1	46.0	.6	.7
17:00	220.5	214.7	219.6	216.6	43.9	38.9	33.5	3.5	5.2
18:00	181.6	165.2	100.5	165.2	39.6	39.6	29.9	.2	.2
19:00	31.6	36.8	21.9	31.3	33.4	25.1	24.6	1.8	3.3
20:00	44.1	38.7	342.3	34.6	51.3	35.2	26.0	.9	1.5
21:00	35.6	40.4	314.1	12.9	27.5	29.9	26.0	.8	.7
22:00	186.9	190.3	331.0	189.5	43.2	26.5	43.1	.4	.9
23:00	51.7	87.1	325.8	83.9	35.1	34.4	45.2	.7	1.1
Avg	48.0	52.0	356.0	39.0	41.8	34.6	30.0	.0	.0
Max	346.9	332.5	358.0	329.3	83.7	83.7	69.5	4.8	5.9
Hr. of Max	12	12	12	12	13	13	15	09	09
Min	24.8	36.8	13.2	12.9	21.7	12.2	7.8	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	3.7	1.2	2.5	3.8	1.5	4.2	-2.0	-.7	-.09
01:00	4.7	1.7	3.3	4.9	2.0	5.2	-3.0	-1.8	-.18
02:00	6.7	2.5	5.1	6.9	2.8	7.2	-5.0	-.9	-.31
03:00	5.7	1.2	4.1	5.8	1.5	6.1	-1.1	-1.0	-.09
04:00	5.0	1.9	3.9	5.2	2.2	5.5	-2.4	-.5	-.17
05:00	3.3	1.3	2.4	3.5	1.7	3.8	1.2	1.5	.00
06:00	2.0	.9	1.4	2.1	1.4	2.4	.8	.1	.01
07:00	3.2	1.0	1.5	3.3	1.3	3.6	-1.4	-.3	-.08
08:00	7.0	4.0	5.7	7.2	4.7	7.8	-.7	4.0	-.16
09:00	6.8	5.2	6.5	7.3	5.9	7.8	.9	4.4	.02
10:00	5.1 P	3.7 P	4.6 P	5.4 P	4.3 P	5.8 P	-2.6 P	-3.1 P	-.24 P
11:00	.3	2.4	2.5	2.4	3.0	3.0	-.7	2.4	-.08
12:00	1.6	2.5	3.1	3.0	3.3	3.7	2.8	9.8	.07
13:00	1.2	2.3	2.1	2.0	3.0	2.9	-5.4	-12.5	-.21
14:00	.7	2.7	2.8	2.9	3.3	3.5	-4.1	-2.7	-.28
15:00	.9	2.3	2.3	2.2	2.8	2.9	-2.6	-9.6	-.17
16:00	.6	2.3	2.7	2.8	2.8	3.3	1.3	1.6	.08
17:00	7.3	5.2	6.9	8.8	6.0	9.5	3.0	3.1	.22
18:00	.7	2.6	3.7	4.6	3.1	5.0	-.8	-5.7	-.18
19:00	3.2	2.5	4.0	3.9	2.7	4.3	-1.2	1.4	-.12
20:00	2.1	1.4	1.9	2.6	1.8	2.9	.1	.4	-.06
21:00	.5	1.8	2.7	3.0	2.2	3.3	.5	.9	-.07
22:00	1.4	1.2	2.1	2.3	1.5	2.6	1.2	2.6	.00
23:00	2.2	1.9	2.8	3.0	2.2	3.4	-1.2	4.0	-.11
Avg	.0	2.3	3.4	4.1	2.8	4.6	-.9	-.1	-.09
Max	7.3	5.2	6.9	8.8	6.0	9.5	3.0	9.8	.22
Hr. of Max	17	17	17	17	17	17	17	12	17
Min	.3	.9	1.4	2.0	1.3	2.4	-5.4	-12.5	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2015

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	-.07	3.9	6.6	8.5	4.3	9.0	11.8	8.4
01:00	-.18	4.1	6.4	8.7	4.9	9.3	16.5	7.7
02:00	-.15	5.3	9.4	13.3	7.5	11.5	14.1	6.1
03:00	-.14	5.3	12.8	14.9	5.2	10.4	19.6	5.5
04:00	-.08	4.8	8.0	8.9	5.7	10.1	17.6	6.8
05:00	.08	3.9	8.5	9.6	4.9	8.9	13.9	9.9
06:00	.02	3.2	3.7	7.1	3.7	4.7	11.4	7.8
07:00	-.04	5.3	5.7	7.8	4.7	8.9	12.0	7.8
08:00	.21	11.9	14.4	15.6	13.6	15.6	20.0	14.6
09:00	.46	12.6	14.9	16.3	13.4	12.7	17.0	15.3
10:00	-.35 P	<	<	<	<	<	<	<
11:00	.06	7.3	7.8	6.6	7.4	7.3	27.0	30.8
12:00	.63	9.8	10.5	10.1	10.1	12.3	29.5	28.1
13:00	-.89	6.4	9.4	12.1	8.0	7.4	27.7	36.0
14:00	-.16	8.9	8.7	9.8	10.4	11.3	28.8	30.3
15:00	-.50	6.0	6.6	6.9	6.7	7.5	25.3	27.5
16:00	.05	7.1	6.6	7.8	7.6	8.3	24.3	28.2
17:00	.52	17.6	19.7	21.3	16.8	22.7	19.7	16.3
18:00	-.37	9.6	17.6	22.9	9.0	13.3	19.5	14.9
19:00	.06	7.1	9.2	10.3	7.9	10.8	13.9	11.5
20:00	.01	4.6	6.6	9.6	4.8	10.0	16.1	12.0
21:00	.04	6.2	8.2	8.0	6.9	8.4	13.5	7.6
22:00	.09	3.4	6.6	8.9	3.3	5.7	11.9	7.0
23:00	.08	4.6	7.6	7.8	6.3	8.4	11.7	11.0
Avg	-.03	6.9	9.4	11.0	7.5	10.2	18.4	15.3
Max	.63	17.6	19.7	22.9	16.8	22.7	29.5	36.0
Hr. of Max	12	17	17	18	17	17	12	13
Min	-.89	3.2	3.7	6.6	3.3	4.7	11.4	5.5
Count	24	23	23	23	23	23	23	23
Total								