Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	12.2	12.6	12.7	12.8	.43	.46	.59	.03	.16
01:00	13.2	13.3	13.2	13.2	.14	.05	.06	-.10	-.09
02:00	13.4	13.5	13.3	13.3	.10	-.03	-.05	-.13	-.16
03:00	12.2	12.5	12.5	12.6	.30	.27	.36	-.04	.06
04:00	8.6	9.0	9.1	9.4	.44	.58	.79	.14	.35
05:00	7.9	8.0	8.0	8.1	.07	.07	.18	.00	.11
06:00	7.9	8.0	7.9	7.9	.05	-.03	.01	-.07	-.04
07:00	7.8	8.0	8.0	8.0	.15	.12	.14	-.03	-.02
08:00	8.2	8.2	8.0	8.0	-.08	-.21	-.22	-.14	-.14
09:00	10.4	10.0	9.8	9.7	-.36	-.59	-.70	-.23	-.35
10:00	12.7	12.1	11.8	11.6	-.61	-.89	-1.09	-.28	-.48
11:00	14.6	13.7	13.4	13.2	-.82	-1.16	-1.32	-.34	-.51
12:00	16.4	15.3	15.0	14.8	-1.07	-1.42	-1.63	-.36	-.56
13:00	18.1	17.0	16.6	16.4	-1.08	-1.48	-1.62	-.40	-.54
14:00	18.8	17.8	17.5	17.4	-1.01	-1.31	-1.44	-.30	-.43
15:00	19.6	18.6	18.2	18.1	-1.01	-1.39	-1.54	-.38	-.53
16:00	20.0	19.0	18.7	18.5	-.97	-1.29	-1.47	-.32	-.50
17:00	19.9	19.2	18.9	18.8	-.64	-.98	-1.11	-.35	-.48
18:00	19.5	19.2	18.9	18.8	-.26	-.53	-.63	-.27	-.36
19:00	18.1	18.3	18.2	18.2	.22	.09	.09	-.13	-.13
20:00	15.6	16.8	16.8	16.8	1.17	1.14	1.19	-.03	.02
21:00	11.6	15.6	15.7	15.7	3.94	4.01	4.07	.07	.14
22:00	9.2	13.0	14.3	14.8	3.80	5.13	5.59	1.32	1.79
23:00	7.5	10.5	11.7	13.2	3.04	4.29	5.71	1.25	2.67
Avg	13.5	13.7	13.7	13.7	.25	.20	.25	-.05	.00
Max	20.0	19.2	18.9	18.8	3.94	5.13	5.71	1.32	2.67
Hr. of Max	16	18	18	18	21	22	23	22	23
Min	7.5	8.0	7.9	7.9	-1.08	-1.48	-1.63	-.40	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	-3.4	-4.1	1.8	11.5	34.0	31.5	3.7	3.5	0.003039
01:00	-2.1	-2.6	3.0	11.3	35.3	33.7	4.0	3.9	0.003369
02:00	-1.4	-1.8	3.5	11.2	36.6	35.3	4.2	4.1	0.003544
03:00	1.3	.6	4.9	11.1	48.7	45.3	5.2	4.9	0.004318
04:00	5.9	5.2	6.8	11.0	84.5	77.9	7.2	6.8	0.005935
05:00	6.3	6.0	6.8	11.0	90.1	87.9	7.4	7.2	0.006069
06:00	6.3	6.1	6.9	10.9	90.6	88.6	7.4	7.3	0.006098
07:00	6.7	6.2	7.1	10.8	93.3	89.1	7.6	7.3	0.006235
08:00	6.7	6.4	7.2	10.8	90.8	89.3	7.6	7.4	0.006235
09:00	7.5	6.8	8.4	10.7	83.2	81.2	7.9	7.6	0.00658
10:00	7.3	6.5	9.1	10.8	70.5	69.4	7.8	7.4	0.006513
11:00	5.5	4.6	8.5	11.1	55.4	54.7	6.8	6.4	0.005765
12:00	2.2	1.0	6.9	11.6	39.5	38.9	5.5	5.0	0.00462
13:00	-1.6	-2.9	4.9	12.3	26.9	26.2	4.1	3.8	0.003508
14:00	-3.0	-3.9	4.3	13.1	23.3	23.0	3.7	3.5	0.003189
15:00	-3.8	-5.0	4.0	13.8	20.9	20.4	3.5	3.2	0.003012
16:00	-4.8	-6.2	3.5	14.3	18.9	18.1	3.3	2.9	0.002794
17:00	-6.3	-7.5	2.4	14.5	17.1	16.1	2.9	2.7	0.002505
18:00	-6.2	-7.2	2.4	14.7	17.7	16.5	2.9	2.7	0.002522
19:00	-5.4	-6.4	2.4	14.7	20.3	18.6	3.1	2.9	0.002654
20:00	-4.1	-5.5	2.5	14.6	26.3	21.9	3.5	3.1	0.002916
21:00	-1.9	-4.7	2.6	14.3	39.5	24.9	4.1	3.3	0.003391
22:00	-.7	-4.2	2.6	14.0	50.5	30.5	4.5	3.4	0.0037
23:00	-.4	-1.9	2.2	13.7	57.9	42.6	4.6	4.1	0.003762
Avg	.4	-.6	4.8	12.4	48.8	45.1	5.1	4.8	0.004261
Max	7.5	6.8	9.1	14.7	93.3	89.3	7.9	7.6	0.00658
Hr. of Max	09	09	10	19	07	08	09	09	09
Min	-6.3	-7.5	1.8	10.7	17.1	16.1	2.9	2.7	0.002505
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	0.0029	4.8	4.6	.00	29.22	989.5	-1.9	.00	235.4
01:00	0.003249	5.3	5.1	.00	29.19	988.5	-1.6	.00	224.6
02:00	0.003437	5.6	5.4	.00	29.15	987.3	-2.8	.00	235.1
03:00	0.004105	6.8	6.5	.01	29.14	986.8	-2.9	.00	242.7
04:00	0.005633	9.3	8.9	.04	29.16	987.4	-2.9	.00	249.3
05:00	0.005943	9.5	9.3	.00	29.16	987.4	-1.9	.00	222.9
06:00	0.005982	9.6	9.4	.00	29.16	987.6	-1.8	.00	230.0
07:00	0.006016	9.8	9.5	.00	29.18	988.2	4.9	.01	245.5
08:00	0.006099	9.8	9.6	.00	29.21	989.1	131.6	.19	229.0
09:00	0.006268	10.4	9.9	.00	29.22	989.5	365.6	.52	222.1
10:00	0.006156	10.3	9.7	.00	29.24	990.2	589.8	.85	255.9
11:00	0.005406	9.1	8.5	.00	29.24	990.2	715.0	1.02	253.8
12:00	0.004248	7.3	6.7	.00	29.23	990.0	898.8	1.29	258.4
13:00	0.003197	5.5	5.1	.00	29.22	989.4	948.6	1.36	275.4
14:00	0.002957	5.0	4.7	.00	29.20	988.9	933.3	1.34	290.5
15:00	0.002751	4.8	4.3	.00	29.17	988.0	860.1	1.23	267.8
16:00	0.002513	4.4	4.0	.00	29.15	987.2	716.7	1.03	272.0
17:00	0.002273	4.0	3.6	.00	29.13	986.6	430.8	.62	276.9
18:00	0.002324	4.0	3.7	.00	29.13	986.4	237.2	.34	287.6
19:00	0.002469	4.2	3.9	.00	29.15	987.2	43.7	.06	271.5
20:00	0.002638	4.6	4.2	.00	29.17	988.0	-1.5	.00	270.8
21:00	0.002774	5.4	4.4	.00	29.20	988.9	-2.6	.00	257.7
22:00	0.002875	5.8	4.5	.00	29.21	989.1	-2.4	.00	260.6
23:00	0.003392	5.9	5.4	.00	29.20	988.9	-2.7	.00	74.9
Avg	0.003984	6.7	6.3	.00	29.18	988.3	285.5	.41	253.0
Max	0.006268	10.4	9.9	.04	29.24	990.2	948.6	1.36	290.5
Hr. of Max	09	09	09	04	11	11	13	13	14
Min	0.002273	4.0	3.6	.00	29.13	986.4	-2.9	.00	74.9
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	235.0	229.5	239.8	231.6	21.1	13.5	10.5	3.8	6.9
01:00	227.9	224.9	229.8	227.1	20.3	14.9	11.6	7.0	10.1
02:00	237.0	233.9	240.3	235.9	21.5	16.8	13.2	6.9	9.8
03:00	246.8	243.7	248.4	245.4	20.7	16.3	13.0	7.0	9.9
04:00	251.1	248.8	254.4	245.2	19.7	13.2	10.9	5.1	8.6
05:00	224.2	221.3	227.3	223.7	17.6	11.2	8.8	3.0	5.5
06:00	226.0	219.6	235.5	221.9	20.0	14.6	9.9	2.2	4.2
07:00	245.2	238.9	248.7	241.2	14.2	10.1	7.8	1.8	3.5
08:00	235.6	234.2	233.9	236.6	18.3	11.2	7.7	3.5	6.0
09:00	231.4	235.9	226.4	236.7	20.3	18.9	16.7	4.1	4.8
10:00	266.0	269.4	261.6	269.2	30.8	26.4	23.1	5.0	6.2
11:00	260.1	262.1	258.8	262.5	31.4	24.2	22.9	5.2	6.8
12:00	266.1	269.0	262.3	269.1	30.7	24.4	23.5	7.1	9.1
13:00	291.0	293.7	277.6	292.5	45.9	38.9	40.8	4.5	5.8
14:00	297.9	298.7	294.7	296.3	46.5	39.6	36.3	5.3	7.1
15:00	273.9	278.0	271.8	277.2	37.8	30.4	26.4	6.8	8.9
16:00	279.3	279.0	276.4	278.2	36.5	29.7	24.8	6.4	8.4
17:00	286.7	290.7	280.8	289.2	33.9	30.5	24.3	5.7	7.5
18:00	296.8	299.1	290.7	296.6	42.8	35.7	30.6	3.6	4.7
19:00	281.3	283.9	275.3	283.7	23.5	19.1	16.6	5.3	7.6
20:00	294.9	302.1	271.0	300.1	38.0	28.2	22.3	2.1	3.3
21:00	279.7	292.6	260.9	291.5	19.0	18.2	15.4	1.9	2.8
22:00	238.5	267.1	259.5	267.6	24.6	14.2	9.7	1.3	2.5
23:00	.1	211.9	75.7	213.8	25.4	39.0	19.3	.2	.2
Avg	262.0	259.0	257.0	259.0	27.5	22.5	18.6	.0	.0
Max	297.9	302.1	294.7	300.1	46.5	39.6	40.8	7.1	10.1
Hr. of Max	14	20	14	20	14	14	13	12	01
Min	.1	211.9	75.7	213.8	14.2	10.1	7.7	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	9.2	4.1	7.1	9.3	4.7	10.1	.0	1.3	-.13
01:00	12.9	7.3	10.4	13.2	8.1	14.0	1.3	1.1	-.08
02:00	12.5	7.4	10.3	12.9	8.3	13.7	-.3	.9	-.28
03:00	12.3	7.5	10.3	12.7	8.1	13.6	-.2	.9	-.30
04:00	11.4	5.4	8.9	11.7	6.0	14.2	.4	4.0	-.08
05:00	7.3	3.2	5.6	7.4	3.5	7.9	.0	1.8	-.05
06:00	6.0	2.5	4.4	6.1	3.0	6.6	1.1	1.7	-.03
07:00	4.7	2.0	3.6	4.7	2.4	5.1	-1.6	1.0	-.07
08:00	8.1	3.6	6.1	8.1	4.3	8.7	1.8	2.2	.04
09:00	5.4	4.6	5.2	5.8	5.1	6.3	2.7	3.2	.08
10:00	6.9	5.6	6.7	7.5	6.4	8.1	-.4	1.6	-.30
11:00	7.5	6.1	7.6	8.3	6.9	9.1	.0	-1.4	-.15
12:00	10.1	8.0	9.8	10.7	8.7	11.5	-1.3	-.7	-.46
13:00	6.4	5.6	7.1	7.7	6.3	8.5	2.2	3.8	-.10
14:00	8.2	7.0	8.6	9.7	7.6	10.6	-2.7	-1.2	-.58
15:00	10.3	8.1	10.1	11.4	8.6	12.0	-1.8	-2.6	-.60
16:00	10.0	7.7	9.6	11.0	8.3	11.6	-2.6	-3.3	-.62
17:00	8.9	6.7	8.5	9.7	7.2	10.3	-.7	-3.2	-.40
18:00	5.9	4.4	5.5	6.6	4.9	7.1	.3	.2	-.21
19:00	9.6	5.7	7.9	10.0	6.2	10.2	-2.1	-1.0	-.40
20:00	4.7	2.4	3.6	5.1	2.8	5.4	-.5	-3.4	-.09
21:00	3.8	2.1	2.9	3.9	2.4	4.1	-2.1	-.7	-.12
22:00	3.4	1.4	2.6	3.5	1.8	3.7	.1	.9	-.04
23:00	2.0	.2	.5	2.1	.6	2.4	2.9	.1	.04
Avg	.0	4.9	6.8	8.3	5.5	9.0	-.1	.3	-.21
Max	12.9	8.1	10.4	13.2	8.7	14.2	2.9	4.0	.08
Hr. of Max	01	15	01	01	12	04	23	04	09
Min	2.0	.2	.5	2.1	.6	2.4	-2.7	-3.4	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2015

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	.14	16.9	19.0	19.2	14.0	19.5	14.7	8.0
01:00	.12	19.2	24.7	26.1	23.2	27.2	15.2	8.6
02:00	-.02	22.9	29.1	32.1	24.7	31.2	15.3	10.1
03:00	.06	19.7	22.9	29.8	22.2	26.5	14.5	9.3
04:00	.96	16.9	27.7	33.0	19.8	22.6	12.7	6.0
05:00	.22	9.4	12.1	21.5	8.2	12.9	11.4	5.3
06:00	.16	6.6	9.4	13.7	8.3	11.6	14.8	7.2
07:00	.09	5.7	8.2	9.8	6.5	10.9	8.0	4.1
08:00	.29	8.7	13.5	16.7	9.8	11.9	14.0	6.4
09:00	.28	10.8	12.1	13.1	11.5	13.0	16.4	13.3
10:00	-.15	14.0	15.8	14.4	18.9	15.8	19.1	18.6
11:00	-.38	18.1	20.2	19.7	21.7	18.5	18.2	17.1
12:00	-.50	20.4	20.8	20.8	21.4	22.1	17.8	15.9
13:00	.06	19.5	18.1	19.9	19.0	21.8	24.1	23.7
14:00	-.79	18.5	21.1	23.4	18.9	23.7	21.9	21.7
15:00	-.82	20.8	23.6	24.3	23.0	28.2	18.3	15.6
16:00	-.96	22.9	24.5	24.5	24.9	25.2	17.3	14.1
17:00	-1.00	18.5	18.5	21.5	21.8	22.1	20.3	17.3
18:00	-.42	22.4	27.0	23.4	15.3	17.5	21.7	20.6
19:00	-.48	13.1	16.9	19.2	14.7	20.3	15.6	12.9
20:00	-.57	14.0	14.4	17.4	12.5	18.9	20.7	17.3
21:00	-.22	6.4	11.9	14.0	6.6	9.0	11.9	13.8
22:00	.03	4.8	5.3	8.5	4.3	7.6	7.9	6.8
23:00	.03	2.5	1.6	4.1	1.8	4.1	6.9	4.9
Avg	-.16	14.7	17.4	19.6	15.5	18.4	15.8	12.4
Max	.96	22.9	29.1	33.0	24.9	31.2	24.1	23.7
Hr. of Max	04	16	02	04	16	02	13	13
Min	-1.00	2.5	1.6	4.1	1.8	4.1	6.9	4.1
Count	24	24	24	24	24	24	24	24
Total								