Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	19.8	20.4	20.7	21.0	.58	.84	1.14	.27	.56
01:00	19.3	20.1	20.3	20.6	.82	1.08	1.36	.27	.55
02:00	18.6	19.4	19.9	20.4	.79	1.24	1.75	.45	.96
03:00	18.2	18.9	19.1	19.6	.68	.91	1.37	.23	.68
04:00	18.4	18.4	18.6	18.9	.01	.23	.57	.22	.56
05:00	17.6	17.9	18.4	18.7	.28	.72	1.03	.44	.75
06:00	17.4	17.9	18.2	18.4	.46	.73	.93	.28	.47
07:00	18.1	18.1	18.0	18.1	-.05	-.12	-.08	-.07	-.04
08:00	18.4	18.2	18.1	18.1	-.19	-.30	-.26	-.11	-.07
09:00	18.9	18.6	18.5	18.5	-.32	-.45	-.42	-.14	-.10
10:00	19.9	19.5	19.2	19.2	-.48	-.70	-.71	-.22	-.23
11:00	21.8	21.1	20.9	20.7	-.68	-.91	-1.09	-.23	-.41
12:00	24.2	23.2	22.9	22.7	-.99	-1.33	-1.49	-.34	-.50
13:00	26.4	25.3	25.0	24.8	-1.02	-1.39	-1.60	-.37	-.58
14:00	26.5	25.9	25.6	25.5	-.60	-.83	-.92	-.23	-.32
15:00	25.0	24.5	24.3	24.3	-.45	-.66	-.72	-.21	-.27
16:00	23.9	23.4	23.3	23.4	-.46	-.64	-.54	-.18	-.08
17:00	26.1	25.7	25.5	25.4	-.38	-.57	-.68	-.19	-.30
18:00	23.4	23.6	24.2	24.8	.17	.78	1.37	.60	1.20
19:00	21.6	21.9	23.0	23.4	.36	1.42	1.84	1.05	1.48
20:00	19.2	19.3	19.2	19.4	.04	.00	.17	-.04	.13
21:00	18.7	18.5	18.5	18.6	-.12	-.22	-.12	-.10	.00
22:00	18.6	18.4	18.4	18.5	-.13	-.19	-.09	-.06	.04
23:00	18.1	18.1	18.1	18.2	-.01	-.04	.09	-.03	.10
Avg	20.8	20.7	20.7	20.9	-.07	-.02	.12	.05	.19
Max	26.5	25.9	25.6	25.5	.82	1.42	1.84	1.05	1.48
Hr. of Max	14	14	14	14	01	19	19	19	19
Min	17.4	17.9	18.0	18.1	-1.02	-1.39	-1.60	-.37	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	18.8	19.6	19.1	25.5	95.9	97.4	16.1	16.9	0.014073
01:00	18.3	19.3	18.6	25.5	96.1	97.8	15.6	16.6	0.013634
02:00	17.7	18.8	18.0	25.4	96.3	98.1	15.1	16.1	0.013149
03:00	17.3	18.3	17.6	25.3	96.5	98.2	14.8	15.6	0.012832
04:00	17.6	17.8	17.8	25.1	97.2	98.4	15.0	15.2	0.013038
05:00	16.8	17.4	17.1	25.0	96.9	98.5	14.3	14.8	0.012424
06:00	16.6	17.4	16.9	24.9	96.8	98.7	14.1	14.8	0.012243
07:00	17.4	17.6	17.6	24.8	97.3	98.7	14.8	15.0	0.01285
08:00	17.6	17.6	17.8	24.7	97.3	98.7	15.0	15.0	0.01302
09:00	18.0	18.1	18.3	24.6	96.1	98.7	15.3	15.4	0.013331
10:00	18.1	18.2	18.7	24.5	91.1	94.3	15.4	15.5	0.01344
11:00	18.2	17.8	19.4	24.5	81.9	83.1	15.4	15.0	0.013541
12:00	18.4	17.5	20.3	24.5	71.8	72.1	15.5	14.7	0.013742
13:00	18.2	17.6	20.9	24.7	62.5	63.8	15.2	14.7	0.013622
14:00	17.3	16.8	20.4	24.9	58.6	58.9	14.4	14.0	0.012877
15:00	18.5	18.2	20.7	25.1	69.3	69.7	15.6	15.3	0.013903
16:00	18.3	17.9	20.2	25.2	72.8	72.9	15.4	15.1	0.013708
17:00	16.6	15.9	19.8	25.3	57.7	56.2	13.9	13.2	0.012389
18:00	18.8	18.3	20.4	25.4	77.4	74.3	16.0	15.5	0.014202
19:00	18.5	18.3	19.5	25.4	84.6	81.6	15.7	15.5	0.013864
20:00	17.6	17.6	18.1	25.4	92.4	92.4	15.0	15.0	0.013077
21:00	17.7	17.7	18.0	25.3	95.9	96.6	15.0	15.0	0.013113
22:00	17.5	17.6	17.9	25.1	95.8	96.9	14.9	15.0	0.013021
23:00	17.2	17.4	17.5	24.9	96.1	97.2	14.6	14.8	0.012719
Avg	17.8	17.9	18.8	25.0	86.4	87.2	15.1	15.2	0.013242
Max	18.8	19.6	20.9	25.5	97.3	98.7	16.1	16.9	0.014202
Hr. of Max	18	00	13	01	08	09	00	00	18
Min	16.6	15.9	16.9	24.5	57.7	56.2	13.9	13.2	0.012243
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	0.014809	21.7	22.8	.00	29.00	982.0	-2.1	.00	263.4
01:00	0.014601	21.1	22.5	.00	28.98	981.5	-2.6	.00	274.5
02:00	0.014079	20.3	21.7	.00	28.98	981.3	-3.0	.00	292.5
03:00	0.013629	19.8	21.0	.00	28.98	981.4	-2.6	.00	233.8
04:00	0.013218	20.2	20.4	.00	28.99	981.6	-1.6	.00	234.0
05:00	0.012853	19.2	19.9	.00	28.98	981.5	-1.8	.00	256.8
06:00	0.012841	19.0	19.9	.00	28.99	981.8	-2.9	.00	234.3
07:00	0.012996	19.9	20.1	.00	29.01	982.6	10.2	.01	196.0
08:00	0.013054	20.2	20.2	.00	29.03	983.2	75.6	.11	265.0
09:00	0.013422	20.6	20.8	.00	29.05	983.8	148.5	.21	195.4
10:00	0.013508	20.8	20.9	.00	29.05	983.8	294.4	.42	173.1
11:00	0.013178	21.0	20.4	.00	29.04	983.5	467.2	.67	250.8
12:00	0.013	21.2	20.1	.00	29.02	982.9	784.7	1.12	152.7
13:00	0.013102	21.0	20.3	.00	29.00	982.0	873.3	1.25	93.7
14:00	0.012493	19.9	19.3	.00	28.98	981.3	380.5	.55	172.4
15:00	0.013616	21.4	21.0	.00	28.96	980.7	155.6	.22	242.3
16:00	0.013362	21.1	20.6	.00	28.94	980.1	288.2	.41	225.0
17:00	0.011802	19.1	18.2	.00	28.93	979.7	298.1	.43	199.6
18:00	0.013752	21.9	21.2	.00	28.93	979.6	76.6	.11	297.5
19:00	0.013669	21.4	21.1	.00	28.92	979.5	4.1	.01	288.9
20:00	0.013103	20.2	20.2	.51	28.96	980.7	-2.5	.00	227.6
21:00	0.013109	20.3	20.2	.01	28.96	980.8	-1.9	.00	238.0
22:00	0.01306	20.1	20.2	.01	28.96	980.7	-2.7	.00	246.1
23:00	0.012857	19.7	19.9	.00	28.96	980.8	-2.8	.00	236.6
Avg	0.013296	20.5	20.5	.02	28.98	981.5	159.6	.23	233.0
Max	0.014809	21.9	22.8	.51	29.05	983.8	873.3	1.25	297.5
Hr. of Max	00	18	00	20	10	10	13	13	18
Min	0.011802	19.0	18.2	.00	28.92	979.5	-3.0	.00	93.7
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	114.4	162.0	261.9	157.2	42.8	23.5	38.9	.7	.2
01:00	166.7	155.4	271.6	157.2	49.6	57.1	14.2	.5	.4
02:00	57.8	304.7	284.7	304.0	32.6	44.2	33.5	.5	.4
03:00	220.9	276.0	235.1	275.7	28.1	47.7	55.6	1.3	1.0
04:00	225.1	281.7	236.7	280.3	20.4	16.2	40.7	1.5	1.9
05:00	196.0	231.0	259.0	234.9	27.3	41.4	30.6	1.0	1.5
06:00	220.6	243.7	238.1	245.8	19.2	14.7	19.4	1.4	2.1
07:00	171.5	209.4	216.1	221.5	37.5	51.9	38.7	.5	.6
08:00	281.6	266.5	265.5	270.2	51.9	68.6	62.0	.7	.7
09:00	206.7	250.1	203.1	250.9	35.2	36.0	35.1	1.5	1.3
10:00	169.4	170.8	179.8	168.6	28.5	24.9	35.3	1.6	1.6
11:00	14.5	355.8	251.1	3.7	66.1	69.2	66.3	.4	.2
12:00	133.8	124.4	150.8	120.4	49.8	48.2	52.2	1.1	1.2
13:00	102.8	99.7	95.8	96.1	55.6	44.4	47.9	2.1	2.6
14:00	162.3	164.1	180.0	162.0	36.7	34.8	38.0	2.0	2.3
15:00	245.0	242.0	244.8	243.1	27.8	26.2	23.0	2.8	3.8
16:00	214.5	209.7	228.2	210.3	40.7	39.1	26.2	1.8	2.5
17:00	194.5	221.9	203.4	220.5	54.2	52.6	45.4	.9	.8
18:00	208.2	212.0	296.7	209.1	21.0	40.9	28.1	.7	.4
19:00	44.0	47.4	285.8	47.8	33.9	38.3	48.3	1.0	.6
20:00	228.4	226.7	232.0	229.2	45.3	36.3	21.0	3.7	5.9
21:00	203.0	203.3	242.2	204.6	51.0	44.6	37.9	.5	.8
22:00	258.4	260.8	246.9	262.3	20.4	13.2	9.5	1.7	3.1
23:00	229.7	225.7	240.5	227.9	17.8	10.3	8.7	2.1	3.9
Avg	195.0	221.0	236.0	223.0	37.2	38.5	35.7	.0	.0
Max	281.6	355.8	296.7	304.0	66.1	69.2	66.3	3.7	5.9
Hr. of Max	08	11	18	02	11	11	11	20	20
Min	14.5	47.4	95.8	3.7	17.8	10.3	8.7	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	.8	.9	.3	1.2	1.2	1.5	.7	1.3	.01
01:00	1.0	.7	.6	1.1	1.1	1.4	.9	3.5	.00
02:00	1.0	.7	.5	1.2	1.1	1.6	2.3	.3	.04
03:00	.8	1.4	1.3	1.1	1.8	1.4	1.3	.2	.02
04:00	1.3	1.6	2.0	1.6	1.9	1.8	-.5	-1.6	-.04
05:00	1.5	1.2	1.8	1.8	1.5	2.1	-1.7	1.5	-.06
06:00	2.3	1.5	2.3	2.5	1.9	2.8	2.2	-.5	.04
07:00	.5	.8	.8	.8	1.2	1.2	-.1	-6.6	.00
08:00	.8	1.1	1.0	1.0	1.4	1.4	-5.2	-4.0	-.14
09:00	1.2	1.7	1.8	2.0	2.1	2.4	5.1	.6	.17
10:00	1.5	1.8	1.8	1.7	2.2	2.2	-3.4	-7.7	-.13
11:00	.2	1.5	1.4	1.3	2.2	2.1	-5.4	-13.4	-.12
12:00	1.3	2.0	1.7	1.7	2.6	2.5	-9.4	-21.6	-.41
13:00	2.8	3.2	3.5	3.5	3.8	4.3	4.1	2.2	.24
14:00	2.3	2.7	3.2	3.4	3.3	3.7	.8	2.3	.00
15:00	4.6	3.2	4.3	5.0	3.6	5.4	1.1	-.8	-.06
16:00	3.4	2.2	2.9	3.6	2.7	4.0	.1	-1.0	-.03
17:00	1.1	1.6	1.7	1.8	2.0	2.2	2.9	2.0	.08
18:00	.6	1.1	1.7	1.6	1.4	1.8	2.2	-.3	-.02
19:00	1.0	1.2	1.6	1.3	1.4	1.6	1.1	3.3	.01
20:00	7.6	4.3	6.5	8.2	4.9	8.7	-.7	-.1	-.15
21:00	1.1	1.6	1.7	1.9	1.9	2.1	-.1	.7	-.02
22:00	4.5	1.9	3.2	4.6	2.2	4.8	.0	1.4	-.03
23:00	5.1	2.3	4.1	5.2	2.7	5.5	-1.0	.0	-.10
Avg	.0	1.8	2.2	2.5	2.2	2.9	-.1	-1.6	-.03
Max	7.6	4.3	6.5	8.2	4.9	8.7	5.1	3.5	.24
Hr. of Max	20	20	20	20	20	20	09	01	13
Min	.2	.7	.3	.8	1.1	1.2	-9.4	-21.6	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2015

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	.04	2.5	2.1	2.7	2.2	3.2	8.2	10.3
01:00	.08	2.5	2.5	2.3	2.7	2.9	8.9	11.1
02:00	.04	2.3	3.0	4.6	2.7	4.8	8.8	10.4
03:00	.02	3.7	4.1	6.6	4.0	3.7	8.1	14.3
04:00	-.07	5.7	5.3	4.1	3.7	4.6	10.2	14.1
05:00	.06	3.7	3.4	6.9	3.5	6.1	10.1	12.6
06:00	-.03	3.2	3.9	4.8	3.9	5.6	10.4	9.9
07:00	-.15	3.4	6.0	4.6	3.1	3.4	14.8	22.1
08:00	-.16	2.7	2.7	3.0	3.6	4.0	21.3	26.8
09:00	-.06	4.6	4.8	4.6	4.7	5.0	22.9	23.9
10:00	-.23	4.4	4.4	4.4	5.2	5.5	22.3	27.2
11:00	-.50	6.4	5.0	5.7	7.8	6.1	30.4	35.6
12:00	-1.25	6.0	6.2	6.2	6.7	8.5	27.8	31.6
13:00	.37	10.5	12.4	11.2	11.0	13.2	24.9	29.3
14:00	.04	12.6	13.3	9.8	11.0	10.8	19.8	22.1
15:00	-.10	8.9	9.2	10.3	9.0	11.2	17.2	10.3
16:00	-.08	12.4	9.8	12.6	8.1	10.3	22.0	15.5
17:00	.10	4.6	4.6	5.3	5.1	5.3	26.7	27.2
18:00	-.01	4.4	4.6	4.4	4.8	4.6	12.9	7.2
19:00	.10	4.4	5.0	5.7	3.4	3.6	10.6	11.2
20:00	.02	22.0	27.0	30.0	26.0	71.5	17.9	8.7
21:00	-.01	3.7	3.7	4.1	3.9	3.7	12.1	11.6
22:00	.11	6.0	9.2	9.2	6.6	9.5	12.0	5.0
23:00	.00	4.6	8.0	9.2	6.1	9.6	11.4	3.7
Avg	-.07	6.1	6.7	7.2	6.2	9.0	16.3	16.7
Max	.37	22.0	27.0	30.0	26.0	71.5	30.4	35.6
Hr. of Max	13	20	20	20	20	20	11	11
Min	-1.25	2.3	2.1	2.3	2.2	2.9	8.1	3.7
Count	24	24	24	24	24	24	24	24
Total								