Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	-.6	-.7	-.9	-.9	-.09	-.26	-.28	-.17	-.19
01:00	-.5	-.6	-.7	-.8	-.07	-.22	-.23	-.15	-.16
02:00	-.4	-.5	-.7	-.7	-.09	-.27	-.32	-.18	-.23
03:00	-.4	-.5	-.6	-.7	-.12	-.29	-.34	-.17	-.23
04:00	-.2	-.4	-.6	-.7	-.14	-.33	-.42	-.20	-.28
05:00	-.1	-.2	-.4	-.5	-.10	-.29	-.37	-.19	-.27
06:00	-.2	-.2	-.4	-.5	-.04	-.22	-.28	-.18	-.24
07:00	-.1	-.2	-.4	-.4	-.05	-.21	-.27	-.16	-.22
08:00	.0	-.1	-.3	-.3	-.07	-.27	-.33	-.20	-.25
09:00	.4	.2	.0	-.1	-.17	-.36	-.44	-.19	-.28
10:00	1.0	.8	.6	.5	-.19	-.38	-.48	-.20	-.29
11:00	1.4	1.2	1.0	.9	-.20	-.41	-.52	-.21	-.32
12:00	1.6	1.3	1.1	1.0	-.30	-.50	-.62	-.20	-.32
13:00	1.7	1.3	1.1	1.0	-.35	-.57	-.68	-.22	-.33
14:00	2.1	1.8	1.5	1.4	-.34	-.59	-.70	-.25	-.36
15:00	2.7	2.4	2.2	2.1	-.28	-.49	-.62	-.22	-.35
16:00	2.3	2.1	1.9	1.8	-.15	-.35	-.45	-.20	-.30
17:00	1.5	1.5	1.4	1.3	-.03	-.20	-.27	-.17	-.24
18:00	1.3	1.4	1.3	1.2	.08	-.05	-.10	-.13	-.18
19:00	1.4	1.5	1.3	1.2	.03	-.13	-.21	-.15	-.24
20:00	1.3	1.3	1.1	1.0	.00	-.17	-.27	-.17	-.26
21:00	.9	.9	.7	.6	-.02	-.16	-.25	-.15	-.23
22:00	.5	.6	.5	.4	.02	-.07	-.11	-.09	-.13
23:00	.6	.7	.7	.6	.11	.03	-.04	-.09	-.15
Avg	.8	.7	.5	.4	-.11	-.28	-.36	-.18	-.25
Max	2.7	2.4	2.2	2.1	.11	.03	-.04	-.09	-.13
Hr. of Max	15	15	15	15	23	23	23	23	22
Min	-.6	-.7	-.9	-.9	-.35	-.59	-.70	-.25	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	-1.9	-2.0	-1.5	4.9	91.3	91.1	4.2	4.2	0.00338
01:00	-1.8	-2.0	-1.4	4.8	91.3	90.9	4.2	4.2	0.003399
02:00	-1.7	-1.9	-1.3	4.8	91.2	90.8	4.3	4.2	0.003428
03:00	-1.5	-1.7	-1.1	4.7	92.3	91.8	4.3	4.3	0.003483
04:00	-1.2	-1.4	-.9	4.6	93.5	93.3	4.4	4.4	0.003557
05:00	-1.1	-1.2	-.8	4.6	93.8	93.7	4.5	4.4	0.003599
06:00	-1.1	-1.1	-.8	4.5	94.2	94.3	4.5	4.5	0.0036
07:00	-1.0	-1.0	-.7	4.5	94.7	94.7	4.5	4.5	0.003625
08:00	-.9	-.9	-.6	4.4	94.6	94.5	4.6	4.5	0.003653
09:00	-.7	-.9	-.3	4.4	93.2	92.8	4.6	4.5	0.003705
10:00	-.7	-1.2	-.2	4.4	88.8	87.3	4.6	4.4	0.003679
11:00	-.9	-1.3	-.2	4.4	85.2	83.8	4.5	4.4	0.003632
12:00	-.7	-1.1	.1	4.5	85.3	84.6	4.6	4.5	0.003699
13:00	-.1	-.5	.5	4.6	88.5	88.4	4.8	4.7	0.003849
14:00	.0	-.3	.7	4.8	86.8	86.5	4.8	4.7	0.003897
15:00	-.9	-1.5	.3	5.0	77.6	76.0	4.5	4.3	0.003634
16:00	-1.7	-2.1	-.4	5.2	75.5	74.1	4.3	4.1	0.003424
17:00	-1.4	-1.8	-.4	5.3	81.1	79.0	4.3	4.2	0.003488
18:00	-1.5	-2.0	-.5	5.3	82.4	78.7	4.3	4.2	0.003479
19:00	-2.3	-2.7	-1.1	5.3	76.5	74.3	4.1	4.0	0.003264
20:00	-2.3	-2.7	-1.1	5.2	77.8	75.7	4.1	4.0	0.003269
21:00	-1.7	-2.2	-.8	5.1	83.5	80.3	4.3	4.1	0.003415
22:00	-1.7	-2.3	-.9	5.0	85.4	81.9	4.3	4.1	0.003408
23:00	-2.5	-3.5	-1.5	4.9	79.8	73.6	4.0	3.7	0.003201
Avg	-1.3	-1.6	-.6	4.8	86.8	85.5	4.4	4.3	0.003532
Max	.0	-.3	.7	5.3	94.7	94.7	4.8	4.7	0.003897
Hr. of Max	14	14	14	19	07	07	14	14	14
Min	-2.5	-3.5	-1.5	4.4	75.5	73.6	4.0	3.7	0.003201
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	0.00335	5.3	5.3	.00	29.03	983.0	-1.6	.00	238.1
01:00	0.003368	5.3	5.3	.00	29.00	982.3	-2.9	.00	240.4
02:00	0.003393	5.4	5.3	.00	28.99	981.8	-1.4	.00	235.0
03:00	0.003435	5.5	5.4	.00	28.98	981.5	-2.4	.00	240.1
04:00	0.003514	5.6	5.5	.00	28.97	981.2	-3.2	.00	243.6
05:00	0.003569	5.6	5.6	.00	28.97	981.2	-2.3	.00	219.5
06:00	0.003592	5.6	5.6	.00	28.98	981.6	-2.2	.00	222.5
07:00	0.003611	5.7	5.7	.00	29.01	982.3	-1.3	.00	213.9
08:00	0.003633	5.7	5.7	.00	29.03	983.0	10.9	.02	221.1
09:00	0.003642	5.8	5.7	.00	29.04	983.6	49.3	.07	139.4
10:00	0.003568	5.8	5.6	.01	29.08	984.7	57.2	.08	27.0
11:00	0.00352	5.7	5.5	.02	29.09	985.3	105.6	.15	27.2
12:00	0.003587	5.8	5.6	.00	29.10	985.5	163.5	.23	261.4
13:00	0.00375	6.1	5.9	.01	29.10	985.5	203.1	.29	277.4
14:00	0.003793	6.1	6.0	.01	29.10	985.5	287.5	.41	299.7
15:00	0.003492	5.7	5.5	.00	29.11	986.0	165.7	.24	281.8
16:00	0.003325	5.4	5.2	.00	29.14	986.8	67.5	.10	273.6
17:00	0.003391	5.5	5.4	.00	29.16	987.6	8.4	.01	244.2
18:00	0.003346	5.5	5.3	.00	29.19	988.4	-2.0	.00	229.3
19:00	0.003175	5.2	5.0	.00	29.21	989.3	-2.2	.00	261.3
20:00	0.00318	5.2	5.0	.00	29.23	989.8	-1.9	.00	274.9
21:00	0.00328	5.4	5.2	.00	29.25	990.4	-1.3	.00	324.0
22:00	0.003272	5.4	5.2	.00	29.26	990.8	-2.1	.00	350.1
23:00	0.00298	5.1	4.7	.00	29.27	991.4	-3.8	-.01	22.8
Avg	0.003449	5.6	5.4	.00	29.10	985.4	45.3	.07	260.0
Max	0.003793	6.1	6.0	.02	29.27	991.4	287.5	.41	350.1
Hr. of Max	14	14	14	11	23	23	14	14	22
Min	0.00298	5.1	4.7	.00	28.97	981.2	-3.8	-.01	22.8
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	232.5	222.3	243.5	225.1	18.5	9.7	5.0	1.8	3.1
01:00	227.2	212.4	245.5	214.9	12.9	8.1	5.4	1.9	3.3
02:00	231.0	219.1	241.8	222.0	15.1	7.7	5.0	1.9	3.4
03:00	231.1	217.9	243.9	220.2	14.6	9.0	6.2	.9	1.7
04:00	238.3	227.8	246.5	232.3	22.0	17.7	10.5	.8	1.4
05:00	229.6	227.9	224.8	238.3	17.3	14.3	10.4	1.5	2.3
06:00	229.9	230.5	227.7	238.3	14.3	9.3	4.9	1.9	3.2
07:00	227.9	231.6	217.8	238.3	18.5	14.0	10.7	1.2	1.9
08:00	234.4	236.7	229.0	238.3	39.2	22.9	15.0	1.3	2.2
09:00	246.2	250.4	32.6	238.3	42.1	40.7	39.0	.1	.3
10:00	30.1	38.2	30.5	31.5	43.4	30.5	17.5	.6	1.5
11:00	40.5	41.9	27.1	38.9	45.6	40.0	29.4	.8	1.4
12:00	283.4	301.3	264.7	297.9	47.1	48.1	44.0	1.4	1.8
13:00	296.7	306.7	277.3	304.6	34.5	33.1	33.2	1.6	2.2
14:00	316.5	315.3	299.5	313.5	45.0	34.0	31.2	1.6	2.1
15:00	288.6	291.8	284.4	290.6	42.4	31.4	34.7	2.8	3.8
16:00	288.0	292.7	274.5	292.2	48.6	41.6	37.3	2.1	2.6
17:00	280.6	289.1	252.5	289.8	49.6	37.5	37.4	1.6	2.5
18:00	245.4	264.6	236.2	263.0	37.6	34.3	47.1	2.2	3.1
19:00	273.9	278.0	267.3	279.1	19.8	16.3	12.7	4.3	5.9
20:00	288.7	294.1	278.5	293.8	23.1	20.9	17.6	2.2	3.3
21:00	7.3	6.8	321.6	3.2	51.2	40.4	31.8	.7	1.7
22:00	4.4	9.8	350.8	5.6	27.7	17.1	17.1	.9	2.2
23:00	36.1	35.2	23.9	31.0	39.1	15.3	11.6	1.1	3.5
Avg	272.0	274.0	271.0	276.0	32.1	24.7	21.4	.0	.0
Max	316.5	315.3	350.8	313.5	51.2	48.1	47.1	4.3	5.9
Hr. of Max	14	14	22	14	21	12	18	19	19
Min	4.4	6.8	23.9	3.2	12.9	7.7	4.9	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	4.0	1.9	3.2	4.1	2.4	4.5	.2	.5	-.04
01:00	4.1	2.0	3.3	4.1	2.6	4.5	-1.6	-.5	-.10
02:00	4.2	2.0	3.4	4.2	2.5	4.6	-.3	-.4	-.07
03:00	2.6	1.0	1.8	2.6	1.5	3.0	-.5	-1.4	-.04
04:00	2.1	.9	1.4	2.1	1.5	2.6	-.9	-.9	-.04
05:00	3.0	1.5	2.3	3.1	2.2	4.1	.9	-3.3	-.03
06:00	3.9	2.0	3.2	3.9	2.5	4.1	1.8	-3.3	.01
07:00	2.8	1.3	2.0	2.9	1.9	4.1	3.0	-3.3	.05
08:00	2.9	1.5	2.3	3.0	2.0	4.1	3.1	-3.3	.04
09:00	.7	.7	1.6	2.3	1.4	4.1	2.6	-3.3	.08
10:00	1.9	.8	1.6	2.0	1.3	2.7	2.2	.5	.02
11:00	1.7	1.1	1.5	1.8	1.6	2.4	.2	-1.8	-.03
12:00	1.9	1.9	2.3	2.3	2.6	2.8	.9	5.7	-.04
13:00	2.5	1.9	2.5	2.8	2.6	3.3	1.4	-.4	.03
14:00	2.7	2.0	2.5	3.0	2.5	3.6	-2.0	-.7	-.21
15:00	4.7	3.2	4.1	5.0	3.7	5.5	-4.5	.1	-.39
16:00	3.1	2.6	3.2	3.7	3.1	4.3	-5.8	-4.6	-.34
17:00	3.4	2.8	3.7	4.3	3.2	4.9	-2.4	-4.1	-.22
18:00	4.1	2.7	3.7	4.7	3.3	5.2	.9	-.2	-.12
19:00	7.6	4.5	6.2	7.8	5.1	8.1	-1.5	-.9	-.30
20:00	4.2	2.4	3.6	4.4	2.9	4.7	-2.6	-1.8	-.25
21:00	2.8	1.1	2.2	3.1	1.5	3.7	3.0	1.9	.05
22:00	3.0	1.3	2.8	3.6	1.7	4.0	.4	-1.9	-.05
23:00	4.7	1.3	3.6	4.8	1.9	5.3	.7	-.2	-.08
Avg	.0	1.9	2.8	3.6	2.4	4.2	.0	-1.2	-.09
Max	7.6	4.5	6.2	7.8	5.1	8.1	3.1	5.7	.08
Hr. of Max	19	19	19	19	19	19	08	12	09
Min	.7	.7	1.4	1.8	1.3	2.4	-5.8	-4.6	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/27/2015

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	.05	4.6	5.0	10.1	5.1	6.5	12.1	3.2
01:00	-.04	4.1	6.4	7.3	4.6	6.3	9.7	3.7
02:00	-.04	5.3	5.7	6.9	5.9	6.8	12.3	3.6
03:00	-.08	2.1	3.7	5.5	2.7	4.1	12.5	4.5
04:00	-.08	3.4	4.6	6.4	3.8	4.1	16.4	8.3
05:00	-.24	4.1	4.8	5.7	4.7	4.1	14.8	.0
06:00	-.24	5.0	5.0	6.4	5.2	4.1	12.6	.0
07:00	-.24	3.0	3.9	6.9	3.8	4.1	13.8	.0
08:00	-.24	4.6	5.0	6.2	5.3	4.1	15.3	.0
09:00	-.24	3.7	6.4	6.9	6.9	4.1	22.0	.0
10:00	-.01	3.0	4.1	4.8	4.1	5.8	25.6	13.1
11:00	-.17	3.4	4.4	4.4	4.6	5.5	26.7	19.6
12:00	.19	7.6	6.9	6.4	8.2	6.9	23.4	25.6
13:00	-.17	6.4	7.3	8.7	7.0	9.2	23.2	23.3
14:00	-.27	8.5	7.6	7.8	8.0	8.6	25.5	24.0
15:00	-.35	10.1	11.4	12.6	11.7	13.7	22.7	19.6
16:00	-.56	11.4	11.0	14.2	14.4	15.7	21.7	21.2
17:00	-.37	10.3	11.7	11.4	10.1	11.6	19.9	19.6
18:00	-.18	10.5	11.9	14.2	12.3	15.3	16.3	19.1
19:00	-.24	10.1	13.7	14.2	12.0	15.9	15.2	9.7
20:00	-.26	8.0	9.2	10.8	8.7	11.3	15.9	12.6
21:00	.06	4.1	6.0	7.6	4.6	8.5	22.6	14.5
22:00	-.18	4.8	6.4	8.5	5.8	8.7	16.3	7.7
23:00	-.07	6.4	8.7	9.4	6.5	10.4	22.5	9.4
Avg	-.17	6.0	7.1	8.5	6.9	8.1	18.3	10.9
Max	.19	11.4	13.7	14.2	14.4	15.9	26.7	25.6
Hr. of Max	12	16	19	19	16	19	11	12
Min	-.56	2.1	3.7	4.4	2.7	4.1	9.7	.0
Count	24	24	24	24	24	24	24	24
Total								