APPENDIX F

SEMI-ANNUAL MONITORING REPORT

JANUARY 1 – JUNE 30, 2011

WHITE MESA MILL METEOROLOGICAL STATION

AUGUST 19, 2011

PREPARED BY

MCVEHIL-MONNETT ASSOCIATES, INC.

for Denison Mines (USA) Corporation
White Mesa Mill

P.O. Box 809
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Semi-Annual Monitoring Report
January 1 – June 30, 2011
White Mesa Mill Meteorological Station

August 19, 2011
MMA Project Number 2397-10

by McVehil-Monnett Associates, Inc.

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1.0 INTRODUCTION

In 1977, meteorological, air quality, and radiological monitoring was initiated at the White Mesa Mill. The original purpose of these monitoring programs was to document the regional atmospheric baseline and to provide adequate data to assess the potential air quality impacts resulting from the mill. After construction of the mill, the monitoring programs were modified to address compliance of mill operations.

This report describes important aspects of the meteorological monitoring operations conducted at Denison Mines White Mesa Mill site for data collected from January 1 through June 30, 2011. The remainder of this report is presented in three sections: monitoring site description (Section 2.0), analysis results (Section 3.0), and conclusions (Section 4.0). Appendices A through D contain the semi-annual performance audit report, hourly data listings, semi-annual joint frequency distributions by hours of the day, and semi-annual stability joint frequency distributions by stability class.

2.0 MONITORING PROGRAM DESCRIPTION

The meteorological parameters collected for the monitoring period were wind speed, wind direction, and standard deviation of horizontal wind direction (sigma theta), the latter being a measure of atmospheric stability. Wind speed and wind direction were directly measured while sigma theta and stability class are calculated parameters.

2.1 Site Description

The region immediately surrounding the Denison Mines (USA) Corporation's White Mesa Mill is shown in Figure 2-1. The mill is located on the White Mesa approximately five miles south of Blanding, Utah, just west of State Highway 191. The surrounding terrain slopes up towards the north and down to the south through southwest. The meteorological monitoring station, located on the northern property boundary of the mill, is situated in the southwest corner of Section 22, Township 37 South and Range 22 East at an elevation of 5,660 feet above mean sea level. This location was chosen for the purpose of compliance monitoring for operations at the mill.

2.2 Monitoring Instrumentation

The sensors, their accuracies, and the sampling heights used in the monitoring program are shown in Table 2-1. A Met One wind cup anemometer and wind vane is installed at the standard ten-meter height above ground-level. The two Met One sensors are connected to a Campbell Scientific CR-10 data logger. The logger continuously records wind speed and wind direction, calculating and storing hourly averages of these parameters. The logger also calculates and stores sigma theta. Data stored in the logger are then transferred to a solid state storage module which is downloaded on a monthly basis.

2.3 Data Collection and Processing

Data on storage modules were downloaded to a computer for further processing through several program routines. These programs reformat the data, check for anomalies, calculate stability class (See Section 3.4), and perform other statistical summary functions.

2.4 Quality Assurance

After the meteorological data were downloaded and processed, the data were checked for errors or inconsistencies flagged by the processing programs. The data were also reviewed for any anomalies not captured by the processing programs. The project manager was notified of any anomalies, and the reasons for the erroneous data along with possible solutions to the problem(s) were discussed. The Mill was then contacted and given instructions for any necessary repairs. If required, personnel from MMA were dispatched to the site to remedy the situation.

During the first six months of 2011, one semi-annual performance audit was conducted. Performance audits of the wind speed and wind direction sensors were completed on April 27. The results for both the wind speed and wind direction audits indicated that both sensors were operating within EPA-specified accuracies. The audit report is included in Appendix A.

Table 2-1 Instrument Specifications
For the Denison Mines (USA) Corporation
White Mesa Mill Station

Parameter	Instrument Reading Accuracy	Monitoring Height	Manufacturer and Model Number
Wind Speed	0.1 meters/second	10 meters	Met One 010
Wind Direction	±3.0°	10 meters	Met One 020
Sigma Theta	N/A	10 meters	Calculated
Data Logger	N/A	N/A	Campbell Scientific CR510

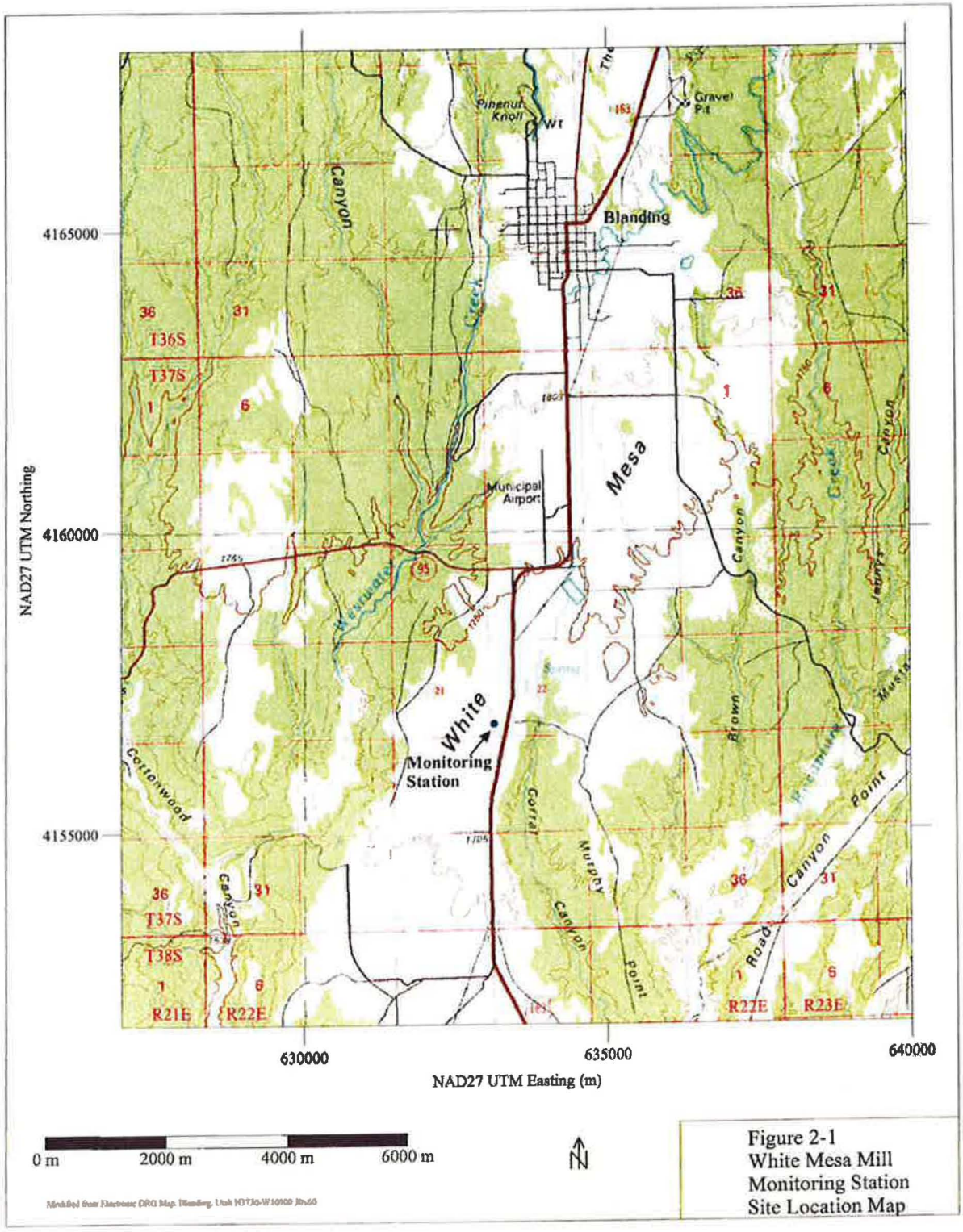


Figure 2-1
White Mesa Mill
Monitoring Station
Site Location Map

3.0 ANALYSIS RESULTS – January through June 2011

Meteorological data were collected at the White Mesa Mill and processed according to the procedures described in Section 2.0. The stability class was determined for each hour (see Section 3.4 for determination methodology) and the data set was then analyzed by time of day and stability classification.

3.1 Missing Data for the January through June 2011 Monitoring Period

Meteorological monitoring and data collection proceeded normally during the monitoring period. Two hours of data on April 27 were not available due to semi-annual performance audits and calibrations being completed.

3.2 Hourly Data Presentation

For the January through June 2011 monitoring period, hourly averaged values of wind speed, wind direction, sigma theta and stability class are presented in Appendix B in the Storage and Retrieval of Aerometric Data (SAROAD) format, including missing or invalid data. The SAROAD format also includes, when applicable, average monthly values for each hour, daily averages and monthly averages.

3.3 Wind Analysis by Hour of the Day

The standard wind frequency distribution for the reporting period is presented graphically in Figure 3-1 and in tabular form in Table 3-1. To show the diurnal patterns, additional wind frequency distributions were developed graphically in 4-hour segments throughout the day (midnight to 4:00 A.M., 4:00 A.M. to 8:00 A.M., etc.) and are presented in Figure 3-2. In addition, the diurnal frequency distribution tables are presented in Appendix C.

Table 3-1 shows the dominant flow for the period was a drainage wind out of the north-northeast occurring 12.5 percent of the time. A secondary maximum was from the south-southwest occurring 12.4 percent of the time. This dominant flow is a result of the surrounding terrain's influence on the site.

Figure 3-2 confirms the downslope wind pattern seen in Figure 3-1, depicting the diurnal pattern of this flow as well as other less predominant flows. During the nighttime hours from 2000 through 0800 Mountain Standard Time (MST), northwesterly through northeasterly winds were the most prominent. During these nighttime hours, the drainage winds occurred approximately 68.5 percent of the time. For the daylight hours from 0800 through 1600 MST, the prominent winds were from the southeast through southwest. These are upslope or return flows and occurred on average approximately 71.0 percent of the time during these daylight hours.

A tabular joint frequency distribution is presented in Table 3-1. The mean wind speed for the monitoring period was 3.9 meters per second (m/s). The direction with the highest mean wind speed was from the northwest at 5.1 m/s, while the lowest mean wind speed was from the east at 2.0 m/s.

3.4 Sigma Theta and Atmospheric Stability

Sigma theta (the standard deviation of the horizontal wind direction) is calculated using the method listed in *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA-454/R-99-005). First, sine and cosine of wind direction are calculated by a Campbell Scientific CR-10 data logger. Then, the average sine and cosine measurements for each fifteen minute period are processed using the Yamartino method to calculate hourly sigma theta values (EPA-454/R-99-005).

Since sigma theta is a gross measure of air turbulence, it can be used as an indirect measure of atmospheric stability. The method used to calculate the Pasquill-Gifford (P-G) atmospheric stability class from sigma theta for this program is in accordance with EPA-454/R-99-005. This method involves two steps. First, an initial estimate of stability for the hour is made based on sigma theta values calculated from the sine and cosine of wind direction. The second step involves modifying the initial estimate using the hourly mean wind speed and time of day of the observation. More specific information about this process can be found in this EPA reference.

The P-G information is important in determining the dispersion of plumes or puffs of airborne material. For example, greater turbulence promotes dispersion and, therefore, lowers concentrations of airborne pollutants. There are two types of turbulence; thermal turbulence which is a function of vertical thermal stratification, and mechanical turbulence which is a function of wind

speed and surface roughness. With light wind speeds, vertical thermal effects dominate the production of turbulence. During sunny conditions, the temperature drops quickly with height above ground, creating unstable conditions. Conversely, during light-wind, nighttime conditions, a surface inversion forms creating stable conditions with relatively little vertical motion. Horizontal motion during light wind speed often produces meandering in wind direction. Local terrain also plays an important part in the production of turbulence through the production of surface roughness and mechanical turbulence.

The P-G stability class describes the dispersive potential of the atmosphere, with Class A being the most dispersive and Class F being the least dispersive. As indicated above, the P-G methodology allows unstable conditions (Stability Classes A through C) to only occur during the daytime, while stable conditions (Stability Class E and F) can only occur at night. Neutral conditions (Class D) can occur at any time.

The stability class data collected for the January through June 2011 monitoring period are presented in Table 3-2 and stability roses are presented in Figure 3-3. Unstable conditions occurred 30.7 percent of the time, neutral conditions 41.6 percent of the time, and stable conditions 27.7 percent of the time. The stability class frequency distribution tables are presented in Appendix D.

3.5 Precipitation Data

Precipitation data (rain or snow) are recorded in inches. The data are not collected at the meteorological monitoring station but at a different location at the White Mesa Mill property. Data for the January through June 2011 monitoring period are shown in Table 3-3. During the monitoring period, 1.77 inches of precipitation were measured. The month with the greatest precipitation amount was April with 0.66 inches recorded. The minimum monthly amount of precipitation received was 0.00 inches, which occurred in June.

3.6 Data Recovery

Table 3-4 summarizes the data recovery for this semiannual reporting period. Data recovery was 100 percent for wind speed, stability class, wind direction and sigma theta.

Table 3-1

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0170	.0359	.0281	.0025	.0005	.0000	0.084	3.0
NNE	.0182	.0778	.0279	.0009	.0005	.0000	0.125	2.8
NE	.0170	.0357	.0032	.0016	.0002	.0000	0.058	2.3
ENE	.0126	.0092	.0016	.0007	.0000	.0000	0.024	2.1
E	.0086	.0076	.0007	.0002	.0000	.0000	0.017	2.0
ESE	.0056	.0071	.0012	.0002	.0000	.0000	0.014	2.2
SE	.0089	.0166	.0039	.0005	.0000	.0000	0.030	2.5
SSE	.0122	.0223	.0129	.0048	.0000	.0000	0.052	3.0
S	.0129	.0246	.0313	.0164	.0055	.0028	0.094	4.5
SSW	.0139	.0332	.0334	.0276	.0106	.0058	0.124	4.9
SW	.0097	.0205	.0223	.0196	.0088	.0018	0.083	4.8
WSW	.0096	.0122	.0131	.0189	.0055	.0014	0.061	4.9
W	.0061	.0122	.0104	.0101	.0021	.0005	0.041	4.3
WNW	.0084	.0085	.0120	.0035	.0007	.0005	0.034	3.6
NW	.0101	.0170	.0226	.0161	.0104	.0032	0.079	5.1
NNW	.0126	.0164	.0295	.0154	.0051	.0007	0.080	4.3
TOT:	0.184	0.357	0.254	0.139	0.050	0.017	1.000	
AVG:	1.3	2.6	4.2	6.8	9.5	12.3		3.9

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 4342
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2
TOTAL NUMBER OF CALM HOURS => 17

Table 3-2 Frequencies of Occurrence for Atmospheric Stability Class for January – June 2011

Stability Class	Time of Day Class Can Occur	Frequency of Occurrence (%)
A: Very Unstable	Daylight Hours	10.3
B: Moderately Unstable	Daylight Hours	8.0
C: Slightly Unstable	Daylight Hours	12.4
D: Neutral	Anytime	41.6
E: Slightly Stable	Nighttime Hours	17.6
F: Moderately Stable	Nighttime Hours	10.1

Table 3-3 Recorded Liquid Precipitation Collected at the White Mesa Mill January – June 2011

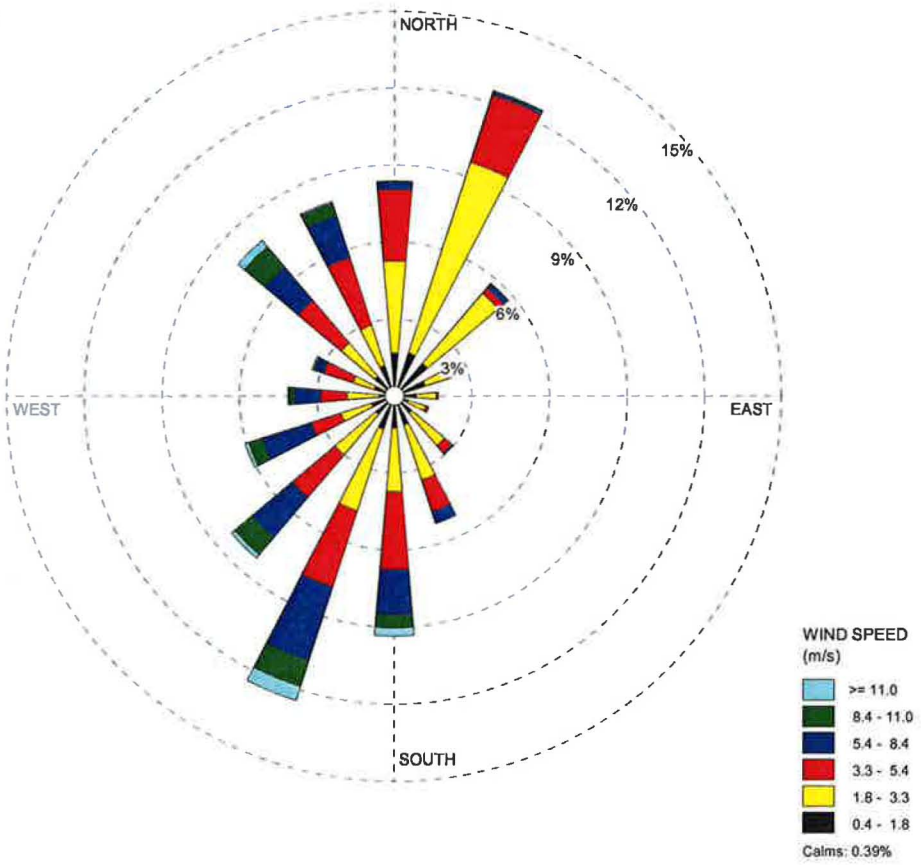
Month	Recorded Liquid Precipitation (inches)
January	0.01
February	0.08
March	0.47
April	0.66
May	0.55
June	0.00

Table 3-4 Data Recovery Rates For Parameters Collected At the White Mesa Mill Station January – June 2011

Parameter	Recovery Rate (%)
Wind Speed	100.0
Wind Direction	100.0
Sigma Theta	100.0
Stability Class	100.0

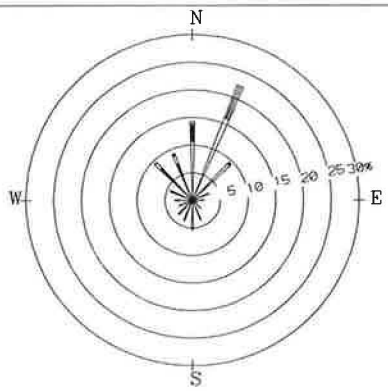
White Mesa Mill
Meteorological Data

DISPLAY:
Wind Speed
Direction (blowing from)

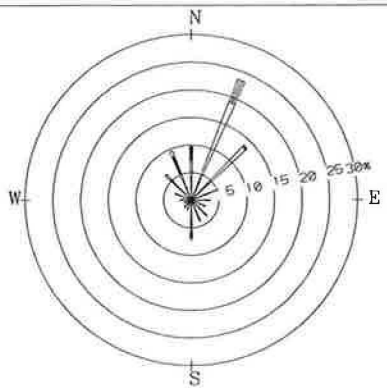


DATA PERIOD: 2011 Jan 1 - Jun 30 00:00 - 23:00	COMPANY NAME: Denison Mines (USA) Corporation	
	MODELER: McVehil-Monnett Associates	**FIGURE 3-1**
CALM WINDS: 0.39%	TOTAL COUNT: 4342 hrs.	
AVG. WIND SPEED: 3.85 m/s	DATE: 8/5/2011	PROJECT NUMBER: 2397-10

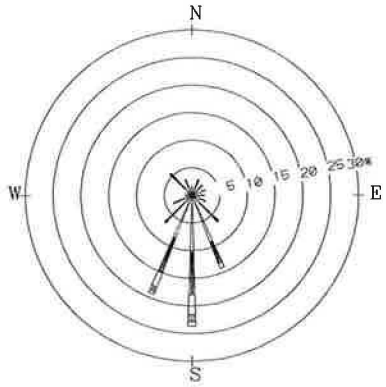
WRPLOT View - Lakes Environmental Software



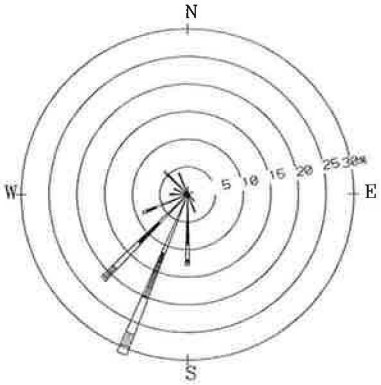
Hours 01-04



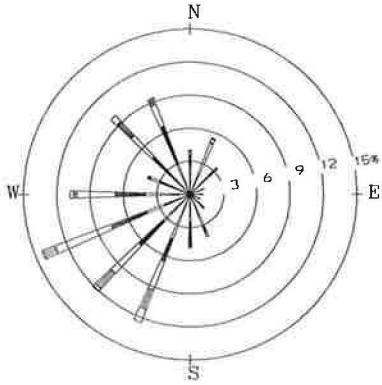
Hours 05-08



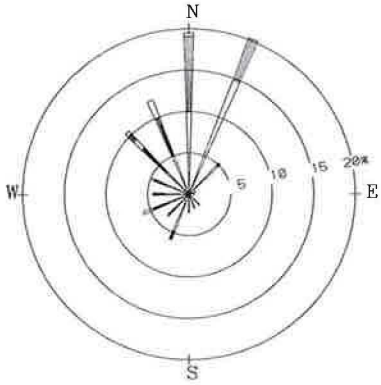
Hours 09-12



Hours 13-16

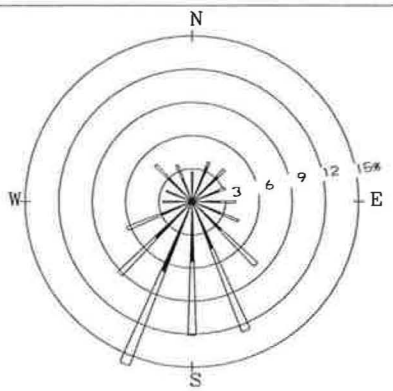


Hours 17-20

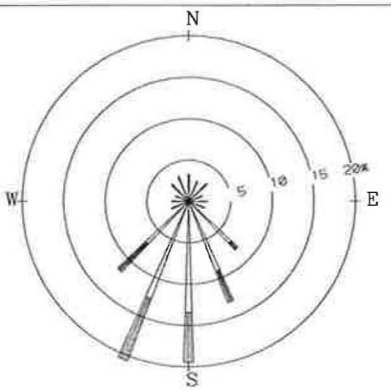


Hours 21-24

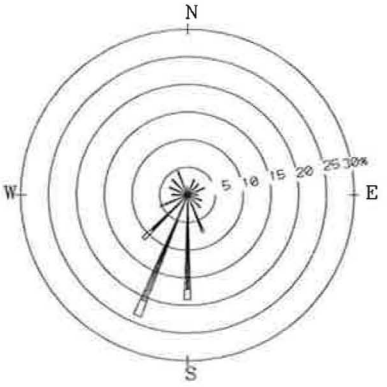
Figure 3-2 Graphical Wind Frequency Distributions by Hour of Day
January to June, 2011
Denison White Mesa Mill



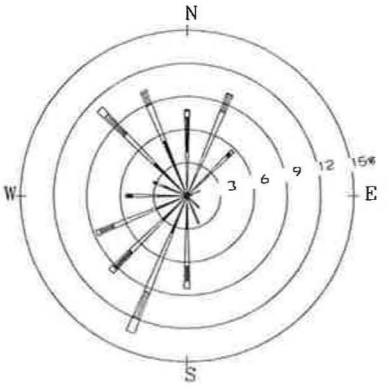
Stability Class A



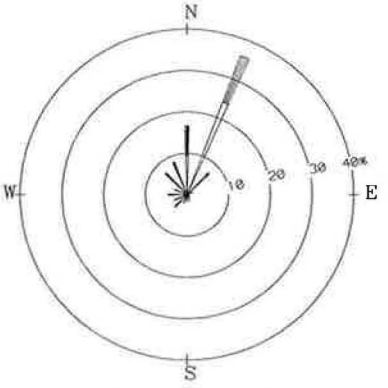
Stability Class B



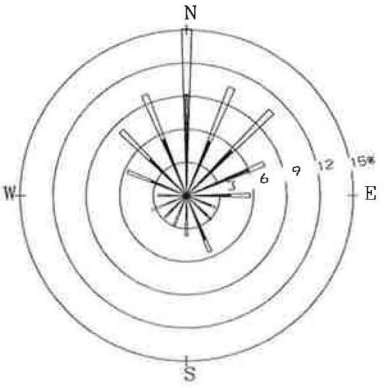
Stability Class C



Stability Class D



Stability Class E



Stability Class F

Figure 3-3 Graphical Wind Frequency Distributions by Stability Class

January to June, 2011

Denison White Mesa Mill

4.0 CONCLUSIONS

Meteorological monitoring and data collection proceeded normally during the first half of 2011 at the White Mesa Mill site. The recovery rates for each of the parameters were 100.0% at the meteorological monitoring station.

As noted in the report, meteorological data continue to be influenced by the local topography. The dominant feature of the winds observed at the site during the monitoring period was a local nocturnal drainage flow from the higher elevations in the northwest through northeast and a daytime upslope or return flow from the southeast through the southwest.

Appendix A

Performance Audit Report

January – June 2011

Denison Mines (USA) Corporation
White Mesa Mill

P. O. Box 809
Blanding, UT 84511

Meteorological Performance Audit Report
Second Quarter 2011
White Mesa Mill

May 2011
MMA Project Number 2397-10

by McVehil-Monnett Associates, Inc.

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1.0 Introduction

Semi-annual performance audits for the Denison Mines Corporation White Mesa Mill meteorological monitoring station were completed by McVehil-Monnett Associates on April 27, 2011. The White Mesa Mill is located approximately seven miles south of Blanding, Utah. The meteorological air monitoring station is located northeast of the mill and approximately 1/4 mile west of Highway 191.

This report summarizes the results of the performance audit which was conducted in accordance with the following guidance documents:

- "Quality Assurance Handbook for Air Pollution Measurement Systems", Vol. IV - Meteorological Measurements, (EPA-600/R-94/038d), revised March 1995.

- " Meteorological Monitoring Guidance for Regulatory Modeling Applications", (EPA-454/R-99-005), February 2000.

The remainder of this report is divided into sections on specific auditing procedures (Section 2.0), audit results (Section 3.0) and conclusions (Section 4.0). Attachment A contains the audit documents and Attachment B contains the audit instruments' calibration certificates and documentation.

2.0 Specific Auditing Procedures

The wind direction system procedure consists of auditing the sensor for linearity and vane orientation by sighting the vane along the crossarm and comparing system output to the measured azimuth, which is measured to the nearest half degree by a precision compass. A torque watch was used to measure the starting torque of the wind direction sensor.

The wind speed system was audited using a selectable speed anemometer drive which turns the sensor anemometer shaft at five known rates of rotation. The values recorded by the wind speed measurement system were then compared to the target wind speeds for these rates of rotation. The starting torque of the wind speed sensor was measured using a torque watch.

3.0 Audit Results

Specific results for the meteorological audits are presented in Table 1. A brief discussion of the results follows.

For the wind direction audit orientations of 93.0°, 165.0°, 273.0°, and 345.0°, data logger readings of 95.5°, 165.5°, 274.0°, and 346.6°, respectively were measured. These results fall within the desired accuracy range for the wind direction measurement system which is ±5°. A ten point linearity check was completed and showed that the measurement system was linear as indicated by the error band of 3.4° (acceptance limit is ≤6°). The starting torque of the wind direction sensor was measured at 4 gram-centimeters (gm-cm) in the clockwise direction and 5 gm-cm in the counter-clockwise direction, which are below the upper acceptance limit of 6.5 gm-cm.

The wind speed audit results were excellent as data logger readouts of 0.27, 1.9, 3.5, 8.3, and 16.3 m/s corresponded exactly to their respective target wind speed values. The desired accuracy range for wind speed audits is ± (0.22 m/s). Starting torque measured less than 0.2 gm-cm, which is below the upper acceptance limit is 0.22 gm-cm.

TABLE 1

AUDIT RESULTS
DENISON MINES CORPORATION
WHITE MESA MILL
METEOROLOGICAL STATION

April 27, 2011

Wind Direction[1]	Audit Value	Digital Value
	93.0°	95.5°
	165.0°	165.5°
	273.0°	274.0°
	345.0°	346.6°

Sensor starting threshold torque: 4 gm-cm CW and 5 gm-cm CCW

Wind Speed[2]	Audit Value	Digital Value
0 rpm	0.27 m/s	0.27 m/s
60 rpm	1.9 m/s	1.9 m/s
120 rpm	3.5 m/s	3.5 m/s
300 rpm	8.3 m/s	8.3 m/s
600 rpm	16.3 m/s	16.3 m/s

Sensor starting threshold torque: <0.2 gm-cm

1) Wind direction system target accuracy: ±5°. Sensor starting threshold torque upper acceptance limit: 6.5 gm-cm.

2) Wind speed system target accuracy: ± (0.22 m/s). Sensor starting torque upper acceptance limit: 0.22 gm-cm.

4.0 Conclusions

The performance audit documented the current operating characteristics of the meteorological instrumentation. The results of the meteorological performance audit indicate that all instrumentation was operating within EPA-specified accuracies.

ATTACHMENT A

AIR QUALITY PERFORMANCE AUDIT DOCUMENTS

✓ by CD
5/3/11

WIND SPEED AUDIT FORM

	Manufacturer	Model	Serial No.
Sensor	Met One	010C	N/A
Cups/~~Propeller~~	Met One	black Lexan	N/A
Data Logger	CSI	CR510	3811
Test Device	RM Young	Anemometer Drive 18920/18331A	CA01988
Torque Watch	Waters	~~Re~~ RR 366-3M	4385

Project Denison Mines
Site White Mesa Mill ✓
Sensor Height ~10m
Date/Time 4-27-11 0825-0949 MST
Auditor Ray Roetman
Reading < 0.2 gm-cm

DYNAMIC WIND SPEED CHECK

(Using Synchronous Motors or an Anemometer Drive)

1) 0 RPM = 0.27 m/s
2) 60 RPM = 1.9 m/s ✓
3) 120 RPM = 3.5 m/s
4) 300 RPM = 8.3 m/s
5) 600 RPM = 16.3 m/s

	Test WS (m/s)	Data Logger (m/s)	Absolute Difference (m/s)
1.	0.27	0.27	0.00
2.	1.9	1.9	0.0 ✓
3.	3.5	3.5	0.0
4.	8.3	8.3	0.0
5.	16.3	16.3	0.0

✓ by CD
5/3/11

WIND DIRECTION AUDIT FORM

	Manufacturer/ Model No.	Serial No.		
Sensor	Met One / 020C-1	H10385	Project	Denison Mines
Vane	Met One / yellow foam	N/A	Site	White Mesa Mill ✓
Digital Data Acq.	CS I / CR 510	3811	Sensor Height	~ 10m
Compass	Suunto / KB-14/360	617140	Date/Time	4-27-11 0825-0948 MT
Theodolite	N/A	N/A	Auditor	Ray Roetman
Torque Watch	Waters / 366-1M	4362	Reading	5 gm-cm CCW, 4 gm-cm CW

Solar Sighting: Time N/A Azimuth N/A Inclination N/A

Magnetic Declination: ~11.0°E

Landmark #1 Along crossarm
Azimuth 334.0 °
Azimuth 345.0 ° (corrected)

Landmark #2 Power pole w/ transformer to East by Hwy
Azimuth 82.0 °
Azimuth 93.0 ° (corrected) ✓

	Landmark #1				Landmark #2				
	Target Azimuth (°)	Sensor-Data Acquisition System			Target Azimuth (°)	Sensor-Data Acquisition System			
		Azimuth (°)	Sine	Cosine		Azimuth (°)	Sine	Cosine	
~~0839~~ 0832	165.0	165.5			93.0	95.5			0830
0833	345.0	346.6			273.0	274.0			0831

✓ MT

System Linearity Audit

Degree Wheel (Degrees)	Data Ac. System Readings (Deg)	Degree Wheel (Degrees)	Data Ac. System Readings (Deg)
30-CW	33.3	330-CCW	330.4
90-CW	91.2	270-CCW	270.8 ✓
180-CW	179.9	180-CCW	180.7
270-CW	270.7	90-CCW	92.2
330-CW	330.3	30-CCW	32.9

ATTACHMENT B

DOCUMENTATION OF
AUDIT INSTRUMENTATION CERTIFICATION

McVehil – Monnett Associates Inc.

COMPASS CALIBRATION DOCUMENT

Date: 06/09/10

Technician: B. Harkwell

Calibration Location: South End of Inverness on high spot on Liberty Dr. ~50 yds west of Airport Fence

Magnetic Declination: 9° 2' E

Compass

Make: Suunto

Model: KB-14/360

Serial Number: 017140 (Audit)

Instrument(s) Used for Calibration

Type and Make: Leitz Theodolite/Transit

Model and Serial Number: BT20 / 7969

Certified: 01/06/10

TEST DATA

Range	Landmark (Describe)	Calibration Instrument (Degrees)	Compass (Degrees) Actual	Compass (Degrees) Corrected	Difference
N (~0)	East Edge of Building to North	358.5	349	358.0	0.5
NE (~45)	East edge of 1st Roof level of Hanger at Airport	44.5	35.5	44.5	0.0
E (~90)	Center of Arched Doorway - Building to East	94.0	85.0	94.0	0.0
SE (~135)	North Edge of North Most Building to SE	132.0	123.0	132.0	0.0
S (~180)	Power Pole Tower on Hill to South	183.0	174.5	183.5	0.5
SW (~225)	East Edge of HP Building	222.0	213.5	222.5	0.5
W (~270)	North Most Light Pole for C-470/I25 Interchange	261.0	252.0	261.0	0.0
NW (~315)	Center of Inverness H_2O Tower	318.5	309.0	318.0	0.5

Comments:

Technician Signature

Next Certification Due: 06/2011

Rocky Mountain Lasers
Total Positioning Instruments
Since 1974

5385 Quebec Street, Commerce City, CO 80022 303-853-0311 800-293-9765 Fax: 303-853-0211
www.rockymountainlasers.com

CERTIFICATE OF CALIBRATION

To Whom It May Concern:

I hereby certify that the below listed equipment was checked and calibrated on a Sokkia Optical Collimation Range, and that Rocky Mountain Lasers & Instruments Service Technicians did make the necessary adjustments to said instrument to meet or exceed that of the manufacturer's specifications.

MANUFACTURER	Sokkisha
MODEL	BT20 Transit
SERIAL NUMBER	7969
DATE	January 6, 2010
TECHNICIAN	Kerry Kemper
REFERENCE	Work Order 7011317 McVehil-Monnett Assoc.

Kerry Kemper

Service Manager
Rocky Mountain Lasers

Certificate of Calibration

The instrument listed below meets or exceeds published specifications and has been calibrated under controlled conditions and is traceable to the National Institute of Standards and Technology (N.I.S.T.), or to accepted intrinsic standards of measurement, or by the ratio type of self-calibration techniques. Cal-Tech Calibration conforms to the following, ISO/IEC 25/17025.

Customer: Mc Vehil-Monnett
Certificate Number: 6094
Instrument Make: Waters
Model: 366-1M
S/N: 4362
ID: n/a

Date: 02-28-11
Temp: 75 Deg f
Humidity: 46%
Rec. In Tol.
Due : 02-28-12

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Certification by: C · T JWS

Accuracy: +\- 5% of range.
Comments:
Procedure: F-1

Standards Used	Model	Certification Number	Due Date
Troemner	Weight Set	175994-1	05-13-12

gm-cm Range	As Found	After Adjust	Final Reading
3.0	2.9	none	2.9
9.0	8.9	none	8.9
15.0	14.9	none	14.9
20.0	19.9	none	19.9

Cal-Tech Calibration, Inc.
1314 FM 646 West /Ste. 15 / Dickinson, Texas 77539 /Phone 281-614-0050 / Fax 281-614-0046

Certificate of Calibration

The instrument listed below meets or exceeds published specifications and has been calibrated under controlled conditions and is traceable to the National Institute of Standards and Technology (N.I.S.T.), or to accepted intrinsic standards of measurement, or by the ratio type of self-calibration techniques. Cal-Tech Calibration conforms to the following, ISO/IEC 25/17025.

Customer: McVehil Monnett
Certificate Number: 4989
Instrument Make: Waters
Model: 366-3M
S/N: 4385
ID: n/a

Date: 8-19-10
Temp: 74 Deg f
Humidity: 49%
Rec. In Tol.
Due Date: 8-19-09

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Certification by: C-T JLS

Accuracy: +\- 5% of range.

Comments:

Standards Used	Model	Certification Number	Due Date
Acculab	VIC-300	188507	5-14-11
Troemner	Weight Set	175994-1	5-13-11

gm Range	As Found	After Adjust	Final Reading
.40	.39	none	.39
.80	.80	none	.80
1.2	1.19	none	1.19
1.6	1.59	none	1.59
1.8	1.80	none	1.80

cm Range			
.40	.38	none	.38
.80	.78	none	.78
1.2	1.19	none	1.19
1.6	1.59	none	1.59
2.0	2.00	none	2.00

Cal-Tech Calibration, Inc.
1314 FM 646 West /Ste. 15 / Dickinson, Texas 77539 /Phone 281-614-0050 / Fax 281-614-0046

CERTIFICATE OF CALIBRATION AND TESTING

MODEL: **18811** (Comprised of Models 18820A Control Unit & 18831A Motor Assembly)
SERIAL NUMBER: CA01988

R. M. Young Company certifies that the above equipment was inspected and calibrated prior to shipment in accordance with established manufacturing and testing procedures. Standards established by R.M. Young Company for calibrating the measuring and test equipment used in controlling product quality are traceable to the National Institute of Standards and Technology.

Nominal Motor Rpm	27106D Output Frequency Hz (1)	Calculated Rpm (1)	Indicated Rpm (2)
30.0	5	30.0	30.0
150.0	25	150.0	150.0
300.0	50	300.0	300.0
450.0	75	450.0	450.0
600.0	100	600.0	600.0
750.0	125	750.0	750.0
990.0	165	990.0	990.0
☒ Clockwise and Counterclockwise rotation verified			

(1) Measured frequency output of RM Young Model 27106D standard anemometer attached to motor shaft 27106D produces 10 pulses per revolution of the anemometer shaft

(2) Indicated on the Control Unit LCD display

* Indicates out of tolerance

☒ No Calibration Adjustments Required ☐ As Found ☐ As Left

Traceable frequency meter used in calibration Model: DP5740 SN: 4863

Date of inspection 3/7/11
Inspection Interval One Year

Tested By RP

Appendix B

Hourly Data in SAROAD Tables

January – June 2011

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
January 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	2.0	1.5	2.2	3.0	3.8	4.0	4.3	3.8	2.8	1.8	0.6	1.2	2.2	2.5	2.1	1.1	0.6	1.0	2.1	2.4	3.5	3.8	3.6	3.5	4.3	0.6	2.5
2	3.7	3.2	2.0	1.2	1.0	2.0	3.3	3.7	2.7	1.3	1.4	1.9	1.9	1.4	1.6	0.9	1.4	1.5	2.5	2.4	1.3	2.0	1.5	2.1	3.7	0.9	2.0
3	1.5	1.3	2.1	1.5	0.9	1.3	0.9	0.9	0.6	0.9	1.2	2.0	1.5	1.6	2.0	2.0	1.5	1.4	1.0	0.7	0.7	0.8	2.3	1.5	2.3	0.6	1.3
4	1.3	1.8	1.5	0.6	1.6	1.4	0.9	1.2	1.1	0.9	1.3	1.9	2.0	2.3	1.7	1.7	1.2	0.7	2.0	3.3	1.8	2.0	3.4	1.8	3.4	0.6	1.6
5	1.3	1.1	2.3	1.6	2.2	1.6	2.0	2.1	1.2	1.0	1.1	2.1	1.4	1.4	1.8	1.1	0.8	2.2	1.8	2.2	2.2	2.2	2.8	2.3	2.8	0.8	1.7
6	2.3	3.0	3.1	1.8	1.6	2.8	1.9	2.0	2.5	1.0	2.2	2.3	2.3	1.3	1.6	1.3	1.1	1.2	0.9	1.0	2.3	3.5	2.8	1.7	3.5	0.9	2.0
7	1.4	2.1	1.5	1.3	2.7	2.1	1.2	1.6	0.7	1.1	1.8	2.3	1.5	1.6	2.3	2.1	0.9	1.3	2.5	2.0	2.2	2.2	1.2	1.6	2.7	0.7	1.7
8	2.4	1.7	2.3	2.1	2.9	2.1	1.4	2.1	1.7	0.9	1.4	2.0	2.3	1.7	1.6	1.1	1.5	1.4	1.4	1.5	1.7	2.0	2.0	2.0	2.9	0.9	1.8
9	0.8	1.3	1.2	0.9	1.7	3.1	2.5	3.2	2.0	1.8	1.6	2.0	2.7	2.0	2.2	2.4	1.1	2.2	3.3	6.2	7.1	6.9	4.7	4.3	7.1	0.8	2.8
10	5.0	4.2	4.4	5.0	5.1	5.2	5.0	3.1	1.3	2.2	2.5	1.7	1.3	3.0	2.8	3.4	1.9	4.0	4.2	4.5	3.8	3.0	2.4	1.2	5.2	1.2	3.3
11	3.4	3.7	3.9	3.4	2.4	2.0	1.6	1.6	1.7	2.2	1.3	1.1	1.9	1.3	1.2	1.2	1.2	1.6	0.9	1.1	1.0	2.9	4.4	3.1	4.4	0.9	2.1
12	2.7	2.0	1.8	1.6	0.9	1.0	1.3	0.8	1.0	0.9	1.7	1.9	2.3	2.3	2.1	2.3	2.0	2.2	1.9	1.7	2.8	3.0	2.3	1.8	3.0	0.8	1.8
13	2.3	2.2	2.2	1.3	1.4	1.0	1.4	1.1	0.9	0.9	1.5	2.1	2.0	1.5	1.5	2.2	0.8	1.0	0.8	1.4	1.8	2.3	2.6	1.9	2.6	0.8	1.6
14	0.9	1.3	2.1	2.7	2.5	2.2	2.7	2.2	1.7	1.9	1.6	2.9	3.8	2.7	1.9	1.5	1.6	4.5	4.9	3.6	3.1	3.3	3.0	2.6	4.9	0.9	2.6
15	1.3	2.6	2.8	1.6	1.6	1.9	1.7	1.6	1.4	1.2	1.0	1.6	2.8	3.0	2.1	1.4	1.6	1.5	1.5	2.5	2.5	2.6	2.1	1.1	3.0	1.0	1.9
16	1.1	2.2	2.4	3.3	2.8	2.0	2.1	1.9	0.9	1.7	1.7	2.0	2.1	2.0	1.7	0.9	1.3	1.7	1.4	2.4	2.4	0.8	1.8	1.5	3.3	0.8	1.8
17	2.7	3.5	2.9	2.4	2.1	2.8	3.3	2.8	2.0	1.5	2.2	2.7	3.1	2.5	1.4	1.2	1.4	1.5	2.3	2.5	3.1	3.0	2.5	2.8	3.5	1.2	2.4
18	3.4	5.2	2.9	1.3	2.6	3.8	3.0	2.8	1.8	1.7	1.6	1.3	2.3	2.7	1.0	0.9	0.6	1.0	2.0	2.2	2.5	2.7	3.2	2.0	5.2	0.6	2.3
19	2.3	2.5	3.0	2.7	2.8	3.2	2.7	2.8	2.2	2.2	2.1	2.1	1.9	1.4	3.9	7.2	6.4	4.9	4.0	5.2	7.1	3.6	3.5	2.9	7.2	1.4	3.4
20	3.8	2.8	2.9	1.7	2.5	1.2	1.6	1.6	1.7	1.1	1.3	1.5	1.5	1.8	2.2	2.5	2.8	3.2	2.7	3.0	2.8	2.0	2.4	2.5	3.8	1.1	2.2
21	2.0	1.3	2.8	3.2	3.3	2.9	1.8	2.1	2.1	1.3	2.1	2.1	1.7	2.6	2.0	3.2	2.7	2.5	1.6	2.2	2.9	3.1	2.7	2.5	3.3	1.3	2.4
22	2.9	2.0	2.1	2.4	2.0	0.9	1.3	2.2	1.7	1.3	1.7	1.4	2.2	2.1	3.5	5.1	4.4	7.8	8.7	6.4	7.8	6.8	5.7	3.5	8.7	0.9	3.6
23	6.1	6.6	5.9	6.3	3.9	3.9	3.8	1.7	1.7	1.7	1.4	1.8	1.4	2.1	1.6	2.6	2.1	2.2	2.2	2.5	1.5	1.3	1.5	1.7	6.6	1.3	2.8
24	2.8	2.6	3.1	3.3	2.0	5.9	8.0	5.3	3.4	5.8	6.2	5.3	5.2	4.3	4.4	3.8	4.0	4.8	4.3	4.1	2.2	2.4	2.3	3.0	8.0	2.0	4.1
25	1.9	3.0	3.8	3.6	2.7	2.6	2.1	1.4	1.5	1.6	2.4	2.5	1.8	1.5	1.3	1.1	2.1	1.8	1.6	2.9	1.8	2.0	1.7	1.1	3.8	1.1	2.1
26	1.8	2.5	1.4	3.0	2.7	1.8	1.9	2.4	2.7	2.8	2.0	5.3	6.7	6.9	5.1	5.7	5.9	3.6	3.8	3.8	2.6	2.4	2.6	1.7	6.9	1.4	3.4
27	2.8	3.0	1.6	1.7	2.2	2.6	1.4	1.9	1.5	1.3	2.3	2.0	1.7	1.9	2.5	2.9	2.8	2.5	2.2	2.2	2.6	2.7	2.2	3.5	3.5	1.3	2.3
28	1.5	1.9	1.7	1.9	2.6	1.5	1.0	2.0	1.9	1.9	1.7	1.5	1.9	2.2	1.9	1.9	2.2	2.3	0.9	2.0	2.5	3.4	2.5	2.9	3.4	0.9	2.0
29	2.0	1.2	2.1	1.7	1.4	2.5	1.2	0.9	1.0	1.1	2.0	2.1	2.1	2.0	1.8	1.5	1.2	1.9	1.7	3.1	2.1	2.2	2.3	2.7	3.1	0.9	1.8
30	3.5	3.1	2.4	3.3	3.5	3.0	2.3	2.1	1.9	2.5	2.2	1.6	2.5	2.5	2.6	2.3	1.6	2.1	3.1	2.6	1.7	1.7	2.9	3.5	3.5	1.6	2.5
31	3.1	1.9	1.4	1.9	1.7	2.2	2.5	2.4	1.9	2.1	2.3	2.7	3.3	2.5	3.8	8.2	9.0	7.4	5.8	5.2	8.2	6.3	5.6	6.2	9.0	1.4	4.1

Maximum hourly value= 9.0 m/s
Minimum hourly value = 0.6 m/s
Average hourly value = 2.4 m/s

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
January 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	330	33	27	19	1	15	14	10	11	288	283	225	200	199	205	197	307	73	18	3	11	8	8	13
2	12	14	21	349	19	359	13	11	6	11	36	184	199	164	192	225	249	293	328	28	67	33	350	328
3	35	58	49	43	21	340	263	330	38	175	186	211	221	199	202	214	210	244	295	239	29	307	2	5
4	331	343	25	122	2	353	93	49	40	158	187	205	208	208	198	229	239	330	328	356	20	15	16	3
5	318	316	358	325	341	13	352	354	43	71	142	199	212	230	199	216	339	278	4	17	360	330	3	343
6	358	13	23	70	92	44	23	3	3	20	193	195	195	184	195	207	184	150	74	21	346	1	334	339
7	23	37	58	303	344	5	57	36	97	177	138	190	181	201	200	194	266	321	19	24	33	42	17	325
8	358	19	32	41	21	34	76	16	7	71	209	205	193	205	213	224	215	239	289	12	25	33	46	347
9	46	24	60	71	33	27	39	30	26	23	70	145	168	177	198	197	158	42	31	328	321	321	341	318
10	308	292	273	310	303	341	334	339	31	69	206	168	122	189	180	204	52	344	352	357	359	29	21	250
11	2	358	356	4	349	345	302	251	190	89	59	234	207	216	127	180	247	297	325	157	104	8	358	6
12	21	13	350	309	43	161	173	283	310	173	204	199	210	195	212	219	231	245	316	3	27	25	34	22
13	23	1	36	72	53	10	29	44	359	131	176	194	188	141	201	222	185	179	77	35	6	23	22	29
14	68	68	247	304	329	313	326	318	29	146	212	194	360	350	245	235	261	327	342	346	326	326	310	323
15	175	17	30	351	13	90	356	80	169	229	225	209	220	190	201	195	174	40	49	41	24	30	47	75
16	295	354	36	13	11	10	34	23	32	131	136	157	143	173	232	6	357	351	343	358	32	36	342	316
17	9	21	29	33	34	33	25	25	45	71	169	204	183	188	199	187	143	7	37	32	16	22	8	12
18	337	303	323	45	13	8	355	6	26	256	204	226	205	196	173	38	116	311	14	30	26	26	21	33
19	30	37	22	36	30	30	34	28	31	45	59	81	73	25	335	334	339	325	336	333	326	349	330	351
20	330	333	316	137	333	9	327	295	146	222	165	54	101	244	217	221	221	240	253	22	7	353	21	15
21	6	327	20	15	4	13	3	17	68	30	12	292	243	229	245	250	263	279	264	10	25	17	29	31
22	27	48	17	14	14	38	63	30	48	150	164	189	172	187	181	207	354	353	351	342	343	337	329	334
23	332	332	344	357	334	347	343	306	320	311	237	13	349	228	204	228	209	154	66	31	17	348	292	289
24	20	21	5	9	350	349	333	343	11	20	18	12	7	338	293	320	353	324	320	331	22	351	351	49
25	118	342	350	325	296	334	311	135	21	172	166	187	203	197	245	322	244	250	93	229	169	61	137	93
26	96	273	165	226	342	12	316	28	1	280	259	59	53	66	30	42	43	343	317	333	340	323	350	13
27	15	2	343	296	344	360	8	15	160	111	150	192	235	231	227	221	216	246	312	341	315	356	3	29
28	160	254	354	14	353	346	137	36	26	109	126	192	198	192	192	214	235	226	224	2	353	348	346	22
29	17	354	5	355	1	15	344	341	29	200	194	200	219	213	215	228	209	173	305	358	352	23	28	32
30	22	23	42	39	39	30	52	91	57	117	109	80	130	194	222	169	161	62	24	37	359	11	281	238
31	229	277	22	62	65	62	74	35	41	126	196	214	267	227	337	319	317	311	325	325	335	330	339	324

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
January 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	16	11	6	4	7	4	4	4	4	18	72	37	12	11	10	34	64	24	5	3	3	3	2	3	72	2	15
2	3	3	20	36	13	6	2	3	5	9	19	37	12	22	25	32	15	24	5	10	39	8	16	10	39	2	16
3	19	22	8	12	13	16	15	36	29	27	56	15	18	15	12	12	9	7	13	47	33	27	5	10	56	5	20
4	18	16	9	55	8	23	19	13	12	27	16	16	13	11	16	15	9	24	8	5	37	18	3	18	55	3	17
5	19	20	7	11	10	7	5	8	18	32	25	8	20	20	12	24	47	11	51	12	22	25	10	30	51	5	19
6	25	5	5	20	25	6	6	9	5	29	9	11	9	35	15	15	25	24	16	28	5	5	12	12	35	5	15
7	25	29	17	24	5	4	15	5	33	15	18	16	29	35	12	9	17	13	5	7	4	7	9	19	35	4	16
8	4	6	4	8	8	26	16	13	12	38	39	13	10	18	18	38	14	40	19	18	16	7	11	20	40	4	17
9	21	13	26	22	12	5	14	12	9	12	20	18	17	20	12	8	23	8	12	10	7	7	8	13	26	5	14
10	14	9	13	9	16	17	20	25	32	14	20	31	35	18	19	24	63	10	12	6	10	9	31	31	63	6	20
11	8	8	5	4	8	9	23	12	12	16	39	44	19	50	27	19	15	34	49	10	23	4	5	6	50	4	19
12	6	9	11	19	37	38	10	43	19	31	16	18	12	11	14	9	7	7	8	8	4	3	4	5	43	3	15
13	7	13	10	29	11	19	14	32	48	35	21	17	20	35	30	12	16	20	34	11	9	7	5	17	48	5	20
14	27	29	9	10	29	16	29	29	43	26	51	35	32	38	13	21	19	5	6	18	20	47	29	36	51	5	26
15	41	43	7	18	51	28	32	50	35	36	47	35	13	13	13	19	16	14	12	10	8	9	12	51	51	7	26
16	48	18	7	5	6	47	9	9	31	28	17	31	27	23	21	52	17	16	23	8	9	39	15	30	52	5	22
17	16	4	5	10	7	11	7	9	13	42	21	13	16	18	42	44	23	42	15	13	9	11	17	12	44	4	18
18	16	9	41	57	13	8	17	19	14	38	20	56	36	13	40	39	45	29	7	7	5	5	4	11	57	4	23
19	8	14	8	10	12	5	7	7	7	10	11	16	21	18	24	9	10	12	9	10	9	19	18	20	24	5	12
20	10	40	24	57	48	49	40	45	22	55	63	52	36	35	26	18	10	4	49	5	4	21	14	7	63	4	31
21	7	30	9	8	6	7	38	12	17	23	22	35	26	12	30	10	9	25	26	16	10	6	5	5	38	5	16
22	5	8	7	8	9	51	27	9	29	22	20	28	36	20	16	42	27	9	9	11	7	7	7	30	51	5	19
23	9	11	12	30	22	18	16	55	36	28	51	45	56	28	43	18	11	9	21	19	19	42	10	12	56	9	26
24	13	6	7	17	20	8	7	7	19	16	14	15	25	23	23	37	39	6	6	8	42	18	18	13	42	6	17
25	15	22	10	6	5	17	20	42	43	29	21	22	35	49	53	54	29	56	37	35	30	54	46	40	56	5	32
26	43	45	30	35	27	37	46	22	35	16	51	27	9	9	18	9	7	13	18	12	45	40	12	46	51	7	27
27	8	14	31	29	30	34	47	31	31	31	20	28	39	36	20	12	10	28	14	36	23	15	31	50	50	8	27
28	48	31	74	36	9	44	21	8	12	17	35	43	29	29	35	25	16	5	42	8	4	3	7	4	74	3	24
29	16	12	7	4	24	6	33	28	18	56	18	20	29	32	32	42	37	10	32	7	7	6	5	5	56	4	20
30	3	4	6	4	4	8	13	12	10	15	12	49	35	29	20	27	22	22	5	8	28	30	17	10	49	3	16
31	16	14	38	11	13	12	9	8	12	26	17	20	28	43	49	10	8	8	9	9	12	9	12	8	49	8	17

Maximum hourly value= 74 degrees
Minimum hourly value = 2 degrees
Average hourly value = 20 degrees

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
January 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	E	D	E	E	E	E	E	D	D	B	A	A	D	D	D	A	A	F	E	F	E	E	E	E
2	E	E	F	F	E	E	E	D	D	D	B	A	D	B	A	A	C	F	E	D	F	D	E	D
3	F	F	D	D	E	E	E	A	A	A	A	C	B	C	D	D	D	E	E	F	F	F	E	D
4	F	E	D	F	D	F	F	C	D	A	C	C	C	D	C	C	D	F	D	E	F	F	E	F
5	F	F	E	D	D	E	E	D	B	A	A	D	B	B	D	A	A	D	F	D	F	F	D	F
6	F	E	E	F	F	E	E	D	D	A	D	D	D	A	C	C	A	F	E	F	E	E	D	D
7	F	F	E	F	E	E	E	D	A	C	B	C	A	A	D	D	C	E	E	E	E	E	D	F
8	E	E	E	D	D	F	E	C	D	A	A	C	D	B	B	A	C	F	F	F	E	E	D	F
9	F	E	F	F	D	E	D	D	D	D	B	B	C	B	D	D	A	D	D	D	D	D	D	D
10	D	D	D	D	D	D	D	B	A	C	B	A	A	B	B	B	A	D	D	E	D	D	F	F
11	D	D	E	E	D	D	F	D	D	C	A	A	B	A	A	B	C	F	F	D	F	E	E	E
12	E	D	D	F	F	F	D	A	B	A	C	B	D	D	C	D	D	E	D	D	E	E	E	E
13	E	E	D	F	D	F	E	A	A	A	B	C	B	A	A	D	C	F	F	D	D	E	E	E
14	F	F	D	D	F	E	F	A	A	A	A	A	B	A	C	B	B	E	E	D	D	E	E	F
15	F	F	E	F	F	F	F	A	A	A	A	A	C	C	C	B	C	E	D	D	D	D	D	F
16	F	F	E	E	E	F	D	D	A	A	C	A	A	A	B	A	C	E	F	D	D	F	E	F
17	D	E	E	D	E	D	E	D	C	A	B	C	C	B	A	A	A	F	E	D	D	D	D	D
18	D	D	E	F	D	D	D	B	C	A	B	A	A	C	A	A	A	F	E	E	E	E	E	D
19	D	D	D	D	D	E	E	D	D	D	D	C	B	B	B	D	D	D	D	D	D	D	D	E
20	D	F	E	F	F	F	F	A	B	A	A	A	A	A	A	B	D	E	F	E	E	F	D	E
21	E	F	D	D	E	E	F	D	C	A	B	A	A	D	A	D	D	F	F	E	D	E	E	E
22	E	D	E	D	D	F	F	D	A	B	B	A	A	B	C	C	C	D	D	D	D	D	D	E
23	D	D	D	D	D	D	D	A	A	A	A	A	A	A	A	B	D	D	F	E	F	F	D	D
24	D	E	E	D	F	D	D	D	B	C	D	C	C	C	C	B	C	E	E	D	F	E	F	D
25	E	D	D	E	E	D	F	A	A	A	B	B	A	A	A	A	A	F	F	E	F	F	F	F
26	F	F	F	E	F	F	F	B	A	C	A	C	D	D	C	D	D	D	D	D	F	F	D	F
27	D	D	F	F	F	F	F	A	A	A	B	A	A	A	B	D	D	F	E	F	F	D	F	E
28	F	F	F	F	D	F	F	D	D	C	A	A	A	A	A	A	C	E	F	D	E	E	E	F
29	E	D	E	E	F	E	F	A	B	A	B	B	A	A	A	A	A	D	F	E	E	E	E	E
30	E	E	E	E	E	D	E	D	D	C	D	A	A	A	B	A	B	F	E	D	F	F	D	D
31	D	E	F	D	E	D	D	D	D	A	C	B	B	A	B	D	D	D	D	D	D	D	D	D

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
February 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	7.7	4.5	6.8	3.3	1.6	1.5	1.7	2.3	3.6	2.3	5.4	6.5	9.6	10.8	11.1	11.4	11.4	10.4	8.9	7.9	8.5	8.7	9.6	9.6	11.4	1.5	6.9
2	8.6	7.1	7.1	7.2	6.7	5.6	4.5	4.1	3.7	3.5	7.5	6.4	5.1	6.0	5.1	4.1	3.8	5.5	5.0	4.9	4.0	3.6	4.0	2.8	8.6	2.8	5.2
3	1.6	1.2	1.6	1.1	1.4	1.3	1.0	1.3	1.7	2.8	2.4	2.5	3.2	4.0	3.0	1.9	1.4	1.5	1.4	0.9	1.9	1.6	1.8	1.6	4.0	0.9	1.8
4	1.1	1.5	2.2	1.9	1.9	2.7	1.7	1.3	1.3	2.0	2.4	2.6	2.5	3.0	3.2	2.9	2.2	2.3	3.5	2.5	2.2	2.2	2.2	2.7	3.5	1.1	2.3
5	2.4	2.6	1.6	2.1	2.9	2.2	2.7	2.4	2.4	2.7	2.2	1.5	4.8	6.6	7.4	9.7	11.7	8.1	5.0	3.9	4.7	6.7	7.1	5.6	11.7	1.5	4.5
6	4.2	7.2	6.9	5.2	5.4	6.2	5.2	4.4	3.5	5.4	5.9	7.8	7.0	9.3	9.5	8.5	7.6	6.2	3.1	2.3	1.4	3.3	3.1	3.5	9.5	1.4	5.5
7	3.3	2.2	1.5	1.1	1.8	1.5	1.6	1.2	1.8	2.2	3.3	2.8	1.6	1.7	1.4	2.3	2.6	1.5	1.9	3.2	2.9	3.1	3.0	3.3	3.3	1.1	2.2
8	9.1	9.9	8.9	5.4	5.6	5.7	6.6	4.1	5.6	7.9	9.6	9.9	10.2	10.2	10.8	11.4	9.3	4.1	2.3	3.3	3.5	3.3	2.9	2.5	11.4	2.3	6.8
9	2.8	2.2	1.9	1.6	2.2	2.4	3.3	1.5	1.5	1.8	3.2	3.4	2.5	2.9	2.7	2.3	5.1	5.2	2.2	2.5	2.5	2.7	1.5	2.0	5.2	1.5	2.6
10	1.5	1.8	2.0	2.0	2.2	2.0	2.1	1.7	0.9	1.5	2.3	2.6	2.3	1.8	2.1	2.9	2.8	3.0	2.7	1.5	3.1	2.8	2.6	2.3	3.1	0.9	2.2
11	2.3	3.0	3.4	3.9	2.9	2.2	1.6	1.7	1.4	2.1	2.7	2.0	2.3	3.2	3.5	3.1	3.5	2.6	1.8	1.9	2.8	3.5	3.8	3.1	3.9	1.4	2.7
12	2.6	1.8	2.1	2.1	2.8	2.6	1.3	1.2	1.1	1.7	1.7	2.5	2.5	2.8	2.8	2.4	2.1	2.2	1.8	3.1	3.0	3.0	2.7	1.7	3.1	1.1	2.2
13	1.1	1.9	3.4	3.9	1.6	2.0	2.7	2.6	1.7	1.3	1.7	2.3	2.5	2.4	2.4	1.6	1.1	1.4	1.3	3.5	3.9	3.3	2.6	2.5	3.9	1.1	2.3
14	3.4	2.8	2.9	2.6	2.2	2.8	2.3	1.4	1.2	2.8	3.1	2.8	2.9	3.1	2.8	2.2	1.1	1.8	2.8	2.6	4.1	3.8	2.7	3.0	4.1	1.1	2.6
15	2.5	2.1	2.0	2.8	3.5	3.3	3.6	2.9	1.3	1.3	1.7	2.9	4.4	3.9	3.0	2.5	2.4	0.9	2.1	3.8	3.9	3.5	2.8	2.2	4.4	0.9	2.7
16	2.0	1.8	1.5	2.7	3.3	3.5	2.6	1.5	1.0	2.1	2.8	3.7	5.5	7.5	8.6	8.4	7.4	7.1	9.7	8.1	6.4	6.1	6.2	5.4	9.7	1.0	4.8
17	5.0	4.1	3.3	6.6	8.9	7.8	5.2	2.3	2.6	4.3	5.5	5.3	5.8	5.5	4.7	5.6	6.9	4.8	3.9	2.2	1.3	2.8	2.5	3.4	8.9	1.3	4.6
18	2.9	2.1	2.3	3.1	2.6	2.6	1.9	1.6	1.2	2.2	3.9	4.4	3.9	4.1	4.5	3.7	3.1	1.9	1.4	2.1	2.7	2.2	2.5	2.3	4.5	1.2	2.7
19	2.6	2.3	3.2	3.7	4.5	4.7	4.9	5.5	6.0	4.3	6.3	6.8	11.2	10.4	13.8	13.2	12.5	9.2	6.3	5.3	6.3	6.4	5.9	3.4	13.8	2.3	6.6
20	4.4	3.6	3.5	3.3	2.7	2.0	3.6	2.1	2.5	3.3	4.3	3.7	3.7	4.1	2.5	1.9	3.2	4.3	3.5	3.1	2.2	1.7	1.2	0.9	4.4	0.9	3.0
21	0.8	1.3	1.1	1.8	0.5	1.1	1.8	1.8	2.2	2.8	3.5	2.8	2.3	2.3	3.2	3.5	2.5	2.2	1.0	0.6	2.4	2.9	2.8	3.0	3.5	0.5	2.1
22	2.8	3.0	2.8	2.7	2.5	2.6	1.8	1.2	2.0	2.7	3.7	3.2	4.1	4.9	4.7	4.8	4.3	3.2	1.8	1.5	3.0	2.7	2.0	0.8	4.9	0.8	2.9
23	1.2	1.2	2.5	2.6	2.7	2.3	2.2	2.1	1.7	2.2	2.8	3.5	3.9	3.9	3.1	3.5	3.5	2.1	2.1	3.3	3.1	3.1	3.4	3.8	3.9	1.2	2.7
24	4.0	2.1	3.3	3.5	1.9	2.8	3.7	4.0	3.7	3.9	4.4	5.4	6.8	6.4	6.0	6.8	8.6	6.4	3.0	2.6	2.1	0.7	2.0	3.1	8.6	0.7	4.1
25	4.0	3.6	4.6	5.2	4.7	3.1	3.3	2.8	1.9	3.6	4.4	5.4	3.8	2.4	2.1	2.6	3.6	2.4	2.4	2.6	1.3	2.2	2.2	5.1	5.4	1.3	3.3
26	6.4	7.3	7.3	6.5	5.8	2.0	2.7	2.0	1.8	4.0	5.5	6.2	6.1	7.3	4.0	2.9	1.6	1.6	2.7	2.4	3.0	1.6	1.7	3.4	7.3	1.6	4.0
27	3.6	2.6	2.5	2.0	3.3	1.9	3.8	3.6	3.4	5.4	5.0	5.0	6.9	8.7	8.8	9.3	8.3	7.1	4.3	4.1	4.5	4.1	2.8	1.9	9.3	1.9	4.7
28	2.1	3.4	2.6	2.5	3.0	3.0	3.1	2.0	1.9	2.9	3.6	3.6	3.0	3.5	3.0	2.2	2.7	1.4	1.0	2.7	3.9	4.1	4.1	3.5	4.1	1.0	2.9

Maximum hourly value= 13.8 m/s
Minimum hourly value = 0.5 m/s
Average hourly value = 3.6 m/s

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
February 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	327	346	331	317	40	177	357	345	7	336	335	320	318	322	323	322	324	323	322	325	325	317	322	321
2	319	318	318	321	314	317	308	310	311	315	52	62	72	85	90	224	305	320	318	320	337	312	325	310
3	316	338	350	196	30	5	351	52	160	195	164	177	208	190	182	201	210	214	236	110	25	37	64	357
4	62	100	49	38	18	25	46	22	126	151	172	197	210	195	214	244	253	161	340	340	13	240	353	19
5	39	38	38	36	29	62	41	47	59	77	101	127	332	351	342	332	330	342	5	346	352	351	358	1
6	345	346	351	355	349	334	327	329	360	48	334	326	334	339	330	337	336	324	28	66	39	19	21	4
7	360	314	214	42	39	27	31	102	146	196	217	207	180	123	10	168	175	169	358	12	25	26	22	28
8	334	333	334	306	293	312	327	16	332	326	324	325	327	330	326	326	336	327	284	256	237	262	268	258
9	252	130	13	89	22	79	266	2	249	189	107	92	204	205	217	194	318	316	333	333	311	303	351	48
10	32	60	38	83	317	23	37	34	87	213	151	189	230	239	275	228	203	187	200	21	23	17	25	30
11	37	24	14	15	13	24	358	341	275	187	168	213	245	223	221	215	222	228	238	2	12	23	17	12
12	19	337	320	316	323	329	22	43	63	199	163	187	212	196	194	200	199	226	262	337	359	21	33	23
13	23	46	21	19	332	30	26	360	12	169	170	160	181	181	204	206	156	160	94	3	353	351	10	32
14	21	21	25	29	38	344	309	298	178	235	234	167	167	177	180	200	14	22	32	21	344	320	323	318
15	314	34	72	28	27	28	25	25	83	310	181	169	198	187	192	200	213	169	28	12	2	1	13	32
16	56	82	59	44	36	20	34	51	100	164	193	195	189	189	203	212	205	214	212	214	206	206	204	194
17	182	173	193	226	229	229	229	186	188	234	215	227	206	186	189	216	237	247	268	256	340	19	37	18
18	22	42	36	18	19	29	80	96	102	152	153	156	182	196	207	183	152	126	93	35	31	62	157	135
19	139	149	166	162	158	150	153	142	146	138	147	163	192	203	198	194	202	242	218	178	193	201	243	247
20	268	268	245	228	111	162	194	227	214	199	183	200	192	204	225	224	200	186	197	210	206	264	194	181
21	343	152	163	211	275	327	272	328	119	143	172	179	164	165	196	234	213	200	180	249	2	5	1	359
22	5	7	9	10	28	29	38	35	96	153	167	174	198	201	208	202	205	210	225	221	271	263	336	328
23	245	61	38	35	18	27	31	31	58	150	164	167	185	185	173	204	210	253	278	272	278	263	227	227
24	231	230	249	228	215	227	238	223	211	183	194	222	227	227	234	233	241	243	245	255	255	182	212	173
25	200	178	185	189	182	181	186	198	224	193	197	196	208	187	160	135	96	74	45	30	79	176	171	199
26	204	202	206	204	238	199	173	145	165	172	178	191	207	201	285	323	317	18	61	38	42	129	48	27
27	19	42	46	53	31	102	195	204	195	196	222	230	241	255	261	259	245	256	248	249	261	278	309	24
28	34	22	32	38	30	21	28	51	172	203	202	175	177	194	195	203	200	205	74	21	11	5	2	3

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
February 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	7	14	9	13	34	27	29	20	11	43	30	9	8	9	9	8	8	8	8	8	8	8	8	8	43	7	14
2	7	9	9	8	8	8	7	8	9	27	10	11	12	14	17	17	24	8	8	7	10	8	7	7	27	7	11
3	29	44	42	79	44	51	42	45	41	17	25	27	25	20	28	44	38	20	35	30	16	23	22	33	79	16	34
4	61	27	46	44	37	13	19	28	30	18	18	22	28	18	14	22	47	23	22	25	40	40	41	8	61	8	29
5	11	19	56	22	13	24	16	20	25	14	28	40	50	11	14	12	9	10	12	20	12	11	10	11	56	9	20
6	22	8	7	6	7	7	7	7	18	10	16	11	15	10	11	12	10	7	29	8	16	9	7	4	29	4	11
7	7	15	37	8	8	7	11	31	14	12	12	13	36	39	44	28	20	9	14	5	8	6	5	53	53	5	18
8	9	10	10	13	10	10	11	12	10	10	10	10	11	11	10	10	11	21	56	30	12	13	9	18	56	9	14
9	14	30	37	60	24	18	19	39	38	62	45	43	39	43	54	51	25	8	29	13	17	13	36	19	62	8	32
10	17	11	27	19	18	9	21	13	38	41	28	23	36	50	39	21	17	8	14	50	5	4	9	9	50	4	22
11	10	6	4	4	6	6	47	20	21	28	22	35	29	23	15	17	11	9	36	11	5	4	4	4	47	4	16
12	6	12	5	7	6	22	17	28	28	30	35	29	28	24	23	19	21	8	9	6	11	5	6	13	35	5	17
13	11	6	5	3	20	7	8	5	31	42	34	29	22	22	24	30	43	14	37	4	4	3	6	9	43	3	17
14	3	5	3	6	7	7	33	33	34	15	25	23	26	25	23	21	47	11	5	7	8	10	10	13	47	3	17
15	17	41	16	7	4	4	3	5	38	51	47	30	15	17	24	22	18	34	7	7	5	8	6	6	51	3	18
16	14	20	16	7	4	6	8	11	23	15	16	12	11	10	10	9	8	8	8	7	8	7	7	7	23	4	11
17	7	8	9	10	8	8	8	13	17	13	12	15	13	18	17	20	11	9	6	13	19	9	11	4	20	4	12
18	5	6	7	5	5	9	19	17	45	16	11	12	12	15	13	12	14	7	19	5	4	15	7	12	45	4	12
19	10	11	9	8	9	9	9	10	9	12	10	10	10	9	8	8	8	13	9	7	8	7	12	7	13	7	9
20	10	10	13	8	45	27	9	9	14	13	14	20	14	19	29	23	14	8	11	9	12	23	28	37	45	8	17
21	47	22	20	13	42	31	11	8	24	20	15	31	70	33	39	30	20	13	15	17	16	6	4	4	70	4	23
22	4	3	3	4	5	6	8	22	23	19	18	31	19	16	17	15	15	9	34	14	4	8	17	28	34	3	14
23	38	23	7	7	6	10	8	7	18	27	35	24	26	24	32	26	14	12	6	5	6	7	6	5	38	5	16
24	3	33	17	6	52	10	9	6	11	15	21	12	13	16	17	16	11	10	7	9	11	41	13	8	52	3	15
25	5	7	7	7	7	7	8	8	11	13	10	9	11	21	28	16	10	11	8	9	28	17	18	7	28	5	12
26	7	7	7	8	12	29	9	11	24	13	12	12	17	14	17	19	14	18	5	6	18	27	9	6	29	5	13
27	8	8	8	12	9	17	24	14	13	10	12	14	10	9	9	8	9	8	8	7	6	5	27	16	27	5	11
28	7	4	4	4	5	4	6	9	23	20	23	22	30	25	29	38	29	21	20	4	4	4	5	5	38	4	14

Maximum hourly value= 79 degrees
Minimum hourly value = 3 degrees
Average hourly value = 17 degrees

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
February 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	D	D	D	D	F	F	F	B	D	A	C	D	D	D	D	D	D	D	D	D	D	D	D	D
2	D	D	D	D	D	D	E	D	D	B	D	D	D	D	C	C	B	D	D	E	D	D	E	E
3	F	F	F	F	F	F	F	A	A	C	A	A	B	C	B	A	A	F	F	F	E	F	F	F
4	F	F	F	F	F	D	F	A	A	B	B	B	A	B	C	B	A	F	D	F	F	F	F	D
5	D	E	F	F	D	F	D	B	A	C	A	A	C	D	D	D	D	D	D	D	D	D	D	D
6	D	D	D	D	D	D	D	D	B	D	C	D	D	D	D	D	D	D	E	D	E	D	E	E
7	E	E	F	D	D	E	D	A	C	D	D	C	A	A	A	A	B	D	E	E	D	E	E	E
8	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	F	E	D	D	D	E
9	D	F	F	F	F	E	D	A	A	A	B	B	A	A	A	A	C	D	F	D	D	D	F	F
10	E	D	F	F	F	D	F	C	A	A	A	A	A	A	A	B	C	D	D	F	E	E	D	D
11	D	E	E	E	E	E	F	B	B	A	B	A	A	B	C	C	D	D	F	D	E	E	E	E
12	E	D	E	E	E	E	E	A	A	A	A	A	A	A	A	B	B	D	D	E	D	E	E	E
13	D	E	E	E	F	E	D	D	A	A	A	A	B	B	A	A	A	E	F	E	E	E	E	D
14	E	E	F	E	E	E	F	A	A	C	B	A	A	B	A	B	A	D	E	E	D	D	D	D
15	D	F	E	E	E	E	E	D	A	A	A	A	C	C	B	B	B	F	E	E	E	D	E	E
16	E	F	E	E	E	E	D	D	A	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D
17	D	D	D	D	D	D	D	C	C	C	D	C	C	C	C	C	D	D	E	E	F	D	D	E
18	E	E	E	E	E	D	F	C	A	C	D	D	D	C	C	D	C	E	F	E	E	E	E	D
19	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
20	D	D	D	D	F	F	D	D	C	C	C	B	C	C	A	A	C	D	D	D	D	F	F	F
21	F	F	F	E	F	F	D	D	A	B	C	A	A	A	B	B	B	E	E	E	D	E	F	E
22	F	E	F	F	E	E	D	B	A	B	B	B	C	C	C	C	C	D	F	E	E	D	E	F
23	F	F	E	E	E	D	D	D	B	A	A	B	B	B	B	B	C	D	E	E	E	E	E	E
24	E	F	D	E	F	D	D	D	D	C	C	D	D	D	D	D	D	D	E	D	D	F	E	D
25	E	E	E	D	E	E	D	D	D	C	D	D	D	B	A	C	D	D	D	D	F	E	F	D
26	D	D	D	D	D	F	D	D	A	C	D	D	D	D	C	B	C	B	E	E	D	F	D	E
27	D	D	D	D	D	E	B	C	C	D	D	C	D	D	D	D	D	D	D	E	E	E	F	E
28	E	E	E	E	E	E	D	D	A	B	B	B	B	B	B	A	A	B	F	F	E	E	E	E

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
March 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	3.3	2.9	2.9	2.6	3.1	2.4	2.2	2.4	1.9	1.8	2.8	3.2	2.7	3.3	3.5	2.9	2.4	1.5	1.7	2.9	3.0	3.4	3.6	3.6	3.6	1.5	2.8
2	3.8	3.0	1.7	1.3	1.9	1.8	2.6	2.0	2.3	2.0	2.3	2.0	2.1	3.0	3.8	3.0	2.6	2.1	2.6	1.7	1.9	2.9	2.8	2.9	3.8	1.3	2.4
3	2.6	2.4	2.4	2.7	2.4	2.4	2.3	2.5	2.1	2.9	2.9	4.8	5.3	7.4	7.8	8.9	7.8	6.8	5.2	6.5	6.7	4.4	3.8	4.4	8.9	2.1	4.5
4	2.7	2.2	3.2	2.6	3.8	3.9	4.7	5.8	6.5	8.7	9.6	9.8	9.1	10.3	9.1	7.6	6.9	5.4	2.3	2.2	3.4	4.0	4.4	4.2	10.3	2.2	5.5
5	3.3	3.5	2.5	2.4	1.6	2.6	1.5	1.5	2.4	3.2	3.5	3.1	2.2	2.4	2.6	2.8	3.2	1.6	0.9	2.0	3.3	3.2	3.3	3.9	3.9	0.9	2.6
6	3.4	2.5	2.6	2.3	2.6	1.7	1.2	2.1	2.0	1.3	2.3	2.0	2.8	1.8	1.8	1.4	1.7	2.9	1.7	1.7	1.4	2.1	2.3	2.3	3.4	1.2	2.1
7	2.0	3.1	3.7	3.5	3.7	2.5	2.0	2.2	2.5	3.4	2.7	2.1	3.3	2.7	2.8	6.3	3.2	2.1	3.1	3.0	2.6	3.1	4.2	4.2	6.3	2.0	3.1
8	3.6	2.8	4.3	4.8	5.8	7.5	5.6	6.6	9.3	9.0	9.6	9.3	8.2	8.5	8.8	7.9	6.1	5.1	3.9	4.3	4.4	3.8	4.1	3.3	9.6	2.8	6.1
9	3.5	3.1	3.5	4.1	3.7	2.2	2.5	2.1	1.1	2.1	2.0	2.5	2.8	3.6	3.3	3.3	2.7	2.1	1.8	1.7	3.0	4.0	3.4	3.4	4.1	1.1	2.8
10	3.6	2.4	2.4	2.3	1.1	1.2	2.4	1.1	2.1	2.6	3.0	2.9	2.8	2.3	2.6	2.9	2.3	1.8	1.4	2.8	3.8	3.8	3.9	2.8	3.9	1.1	2.5
11	2.5	1.9	2.8	3.3	3.3	3.1	3.2	2.6	3.1	2.4	2.6	2.8	3.2	3.6	4.2	3.5	4.5	3.7	2.9	1.8	4.0	4.0	2.3	2.5	4.5	1.8	3.1
12	1.7	1.0	1.8	2.2	2.1	3.3	2.8	2.0	2.3	4.5	5.1	5.2	4.2	5.1	4.8	5.6	8.0	5.6	4.3	3.4	2.5	4.1	5.1	5.3	8.0	1.0	3.8
13	7.1	4.9	3.7	3.4	3.7	5.1	5.2	3.9	4.1	4.6	3.2	2.1	2.2	3.4	3.1	2.8	2.3	1.9	2.0	3.4	2.9	2.4	2.4	1.5	7.1	1.5	3.4
14	2.4	3.1	2.9	2.2	2.4	2.5	2.1	1.7	2.6	2.1	2.6	2.1	2.0	2.9	3.0	4.2	4.3	5.0	4.6	2.8	4.0	2.3	2.2	4.0	5.0	1.7	2.9
15	5.2	2.6	1.8	1.1	1.0	1.7	1.5	2.9	1.5	1.7	2.5	3.3	3.4	3.8	4.4	5.2	4.2	4.2	3.3	2.2	1.7	2.9	2.7	2.8	5.2	1.0	2.8
16	2.5	2.5	2.5	3.0	2.5	2.8	2.5	1.8	2.4	3.4	3.1	3.8	5.0	5.5	5.0	4.9	4.0	2.8	1.5	1.5	2.8	1.1	1.9	2.5	5.5	1.1	3.0
17	2.4	1.5	1.4	2.9	2.4	2.4	2.0	1.8	2.1	5.3	6.5	6.3	5.3	5.7	6.7	6.6	5.5	5.7	4.9	3.8	4.4	3.7	5.2	4.3	6.7	1.4	4.1
18	1.9	2.2	1.9	2.0	4.1	4.3	3.6	2.3	1.8	2.8	4.3	4.8	4.9	4.9	5.8	5.2	4.2	1.7	1.3	3.2	4.0	3.6	3.1	2.1	5.8	1.3	3.3
19	2.4	2.4	1.4	1.1	1.5	1.6	1.9	2.5	5.5	5.2	9.4	10.5	10.5	11.8	10.0	10.5	10.9	9.4	8.1	8.7	8.4	6.8	7.1	8.0	11.8	1.1	6.5
20	7.0	4.7	4.1	2.0	2.3	2.2	2.6	2.5	2.3	4.0	7.0	6.9	6.6	7.4	7.0	6.5	9.1	4.6	1.8	2.9	2.4	2.2	2.1	2.5	9.1	1.8	4.3
21	3.5	3.7	4.7	4.4	3.3	3.4	4.5	5.2	7.1	9.9	12.4	11.4	13.0	12.4	11.5	8.4	6.9	7.2	7.0	5.6	4.6	3.5	2.6	1.5	13.0	1.5	6.6
22	2.4	4.0	3.9	2.9	3.0	1.8	4.0	3.6	4.4	4.7	7.4	6.9	6.1	6.3	5.8	6.5	6.5	6.0	4.4	3.1	1.7	2.8	2.1	2.9	7.4	1.7	4.3
23	2.1	1.9	2.3	3.4	3.4	4.2	3.6	1.9	2.0	2.5	3.0	2.9	3.0	2.8	3.4	3.3	2.6	2.3	1.9	3.1	4.1	4.0	3.8	2.5	4.2	1.9	2.9
24	2.7	2.1	1.8	2.1	2.8	3.7	5.1	7.4	8.9	10.1	11.3	10.6	10.3	9.8	9.3	9.0	7.6	6.3	3.3	1.9	1.7	0.9	1.8	2.2	11.3	0.9	5.5
25	1.7	2.8	3.0	2.3	1.8	2.8	2.5	1.7	3.0	3.4	2.3	5.1	7.1	6.7	7.4	8.9	9.5	8.8	6.2	6.4	4.0	5.1	2.9	2.3	9.5	1.7	4.5
26	4.2	5.3	3.5	3.3	3.8	3.5	2.4	1.1	1.2	1.8	3.2	4.3	3.8	3.5	3.7	3.5	1.7	1.8	2.3	2.6	1.6	0.9	1.4	3.1	5.3	0.9	2.8
27	2.0	2.2	1.9	2.2	1.1	1.3	1.1	1.5	4.1	4.3	4.1	4.8	5.0	6.2	6.2	6.2	6.4	4.1	2.5	1.9	2.8	2.7	2.6	1.9	6.4	1.1	3.3
28	2.1	2.1	2.1	2.9	4.1	4.1	3.0	1.7	2.0	4.0	4.9	5.9	7.3	7.6	7.4	7.1	7.2	5.7	4.3	5.7	6.5	7.7	8.5	7.7	8.5	1.7	5.1
29	3.8	2.1	1.6	2.7	2.7	3.3	3.2	1.6	1.7	1.9	2.7	2.0	2.6	2.7	3.5	4.3	4.5	4.8	3.5	1.6	1.7	3.7	3.3	2.8	4.8	1.6	2.8
30	2.3	2.9	3.2	3.8	4.1	5.4	6.3	3.6	6.3	8.1	7.8	7.9	8.2	7.6	8.6	8.4	8.9	8.0	6.1	4.9	4.5	4.6	2.5	3.3	8.9	2.3	5.7
31	4.3	3.9	3.4	2.7	3.5	5.3	5.5	5.1	2.8	7.0	8.5	8.8	10.7	10.1	8.5	9.3	10.2	9.0	5.1	3.6	4.8	5.1	5.4	5.5	10.7	2.7	6.2

Maximum hourly value= 13.0 m/s
Minimum hourly value = 0.9 m/s
Average hourly value = 3.9 m/s

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
March 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	9	14	24	33	48	62	41	39	118	162	162	169	194	225	212	215	207	210	20	32	34	18	7	359
2	352	4	4	54	55	50	43	50	86	104	176	163	188	190	198	212	192	201	220	147	32	22	19	22
3	21	19	37	29	35	30	36	29	90	148	193	216	212	228	243	256	255	256	259	332	324	336	356	339
4	349	352	308	319	301	330	332	318	320	327	325	318	337	335	332	331	327	332	2	347	5	358	355	353
5	7	6	12	26	341	349	8	74	98	126	138	149	175	126	195	198	158	199	102	24	9	6	8	3
6	2	353	7	33	35	63	65	96	131	79	135	119	130	145	120	130	46	80	149	305	353	345	354	304
7	33	28	34	32	27	33	45	76	123	131	83	92	30	116	206	159	164	128	184	232	225	214	234	247
8	221	235	305	301	288	317	336	331	333	324	320	309	302	312	315	322	313	322	330	333	320	311	329	334
9	291	314	303	345	14	33	30	12	162	216	177	188	209	207	218	223	209	167	145	107	31	10	5	7
10	4	333	329	9	69	358	360	313	173	172	176	172	162	166	163	187	163	176	43	26	11	8	3	22
11	19	355	17	29	25	23	31	51	70	133	133	166	178	183	185	188	210	200	215	179	8	354	347	14
12	4	328	55	23	43	33	43	54	125	187	185	183	193	182	215	219	252	237	239	225	247	275	287	298
13	321	333	309	311	325	343	349	319	321	323	348	304	334	299	313	307	313	29	46	34	11	335	355	358
14	16	6	352	353	35	343	47	20	117	156	169	167	193	177	201	232	233	250	269	306	347	330	315	338
15	332	339	12	168	196	272	333	310	340	79	174	185	189	204	209	211	212	241	233	262	303	16	6	333
16	3	26	37	39	26	25	39	89	106	118	157	190	192	196	194	217	238	264	295	25	6	20	209	220
17	282	56	192	253	306	326	47	40	160	207	201	226	247	244	244	270	304	300	348	326	326	352	324	340
18	81	207	198	52	16	13	360	7	51	134	150	166	183	196	207	209	209	241	330	32	23	23	38	51
19	137	42	106	94	77	120	143	156	180	204	196	191	205	216	222	218	227	226	214	221	216	207	198	191
20	189	193	181	186	55	52	32	43	124	162	159	160	160	149	179	156	180	177	135	139	138	145	54	73
21	117	133	159	169	166	140	153	156	164	174	190	207	206	216	207	223	253	253	256	236	223	216	186	135
22	219	223	219	219	210	142	202	173	198	213	233	231	219	229	233	233	235	253	259	268	275	256	296	6
23	327	342	33	26	28	22	18	40	159	175	173	175	187	151	153	141	150	139	99	23	13	18	45	84
24	132	95	111	168	172	190	196	193	201	210	224	231	233	246	256	257	251	252	261	347	338	354	34	33
25	94	143	140	125	125	146	172	175	208	181	149	182	200	224	248	251	254	262	265	276	254	255	315	352
26	333	335	2	351	18	19	348	108	2	84	171	187	198	222	241	227	56	44	328	37	34	153	208	199
27	185	258	185	213	78	83	59	153	213	194	202	210	203	229	228	233	246	236	210	73	46	24	338	54
28	17	265	190	204	225	231	228	121	158	197	205	214	243	243	248	245	249	267	296	333	329	322	315	315
29	346	67	279	321	342	360	11	283	246	246	251	291	220	254	225	217	201	227	229	151	27	28	19	16
30	304	295	307	315	332	341	308	292	323	319	318	321	332	330	331	335	321	327	341	320	310	302	266	226
31	299	326	322	22	341	306	307	315	51	310	317	316	317	325	343	343	337	328	307	298	294	300	317	331

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
March 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	3	3	4	5	9	18	10	9	17	30	26	28	32	30	22	27	25	18	14	7	10	4	4	6	32	3	15
2	5	4	19	12	9	36	7	9	11	19	31	36	37	26	19	17	17	11	11	23	13	6	7	4	37	4	16
3	6	8	7	7	9	5	8	10	16	13	16	14	16	16	13	13	11	10	9	8	8	9	10	15	16	5	11
4	17	21	17	46	14	12	9	10	9	9	9	9	13	15	13	17	11	13	13	16	11	13	8	12	46	8	14
5	9	8	8	12	17	5	32	13	14	19	19	27	42	60	46	32	24	14	41	6	4	4	5	4	60	4	19
6	4	9	7	4	5	11	16	14	14	53	23	23	17	36	32	44	19	19	42	10	46	19	19	21	53	4	21
7	13	7	5	5	4	6	8	14	16	14	11	30	38	25	26	11	13	30	41	11	10	43	6	9	43	4	17
8	9	9	7	8	6	7	9	10	8	9	10	10	10	11	10	13	11	10	6	5	5	12	5	11	13	5	9
9	5	11	5	8	6	9	16	11	56	25	43	43	42	25	20	32	30	14	8	38	11	6	8	13	56	5	20
10	5	31	16	8	27	54	6	35	17	16	16	24	27	43	31	25	18	13	21	5	4	7	8	15	54	4	20
11	19	39	7	8	6	6	7	10	14	22	25	27	23	26	21	19	11	9	5	20	7	6	24	8	39	5	15
12	20	59	9	7	11	7	13	15	19	14	12	13	21	24	25	18	12	9	6	8	8	5	7	7	59	5	15
13	7	9	8	6	3	4	5	6	14	21	39	43	65	52	37	53	45	26	14	4	13	15	11	18	65	3	22
14	6	10	12	26	28	17	7	31	31	32	30	43	40	26	22	21	17	10	6	9	10	19	31	9	43	6	21
15	5	33	37	48	68	36	23	11	45	54	35	31	26	32	19	17	17	8	3	12	14	6	10	6	68	3	25
16	9	7	6	5	7	6	6	20	18	15	25	26	15	15	14	12	10	7	9	25	24	44	24	8	44	5	15
17	44	21	22	12	12	5	20	13	23	9	11	12	14	16	19	16	22	13	22	12	9	11	11	13	44	5	16
18	48	24	10	34	5	5	5	9	30	21	17	21	21	21	16	13	11	13	28	5	5	5	8	17	48	5	16
19	16	20	33	39	29	19	9	10	13	11	8	11	11	11	11	9	9	8	8	7	7	7	7	7	39	7	13
20	6	6	12	23	35	11	6	8	22	14	11	14	13	11	15	9	8	8	16	7	7	9	13	10	35	6	12
21	11	9	9	10	10	11	8	9	9	10	10	9	9	8	8	11	9	12	8	8	7	9	16	29	29	7	10
22	18	15	11	11	12	26	11	12	11	15	12	15	13	15	18	16	13	10	9	5	14	8	45	5	45	5	14
23	17	11	8	7	4	3	3	10	22	25	27	35	51	49	33	29	42	22	12	8	4	4	8	14	51	3	19
24	15	19	16	11	9	5	5	8	9	10	10	12	12	12	11	11	14	11	10	13	7	21	5	7	21	5	11
25	15	7	7	11	15	8	9	13	10	13	26	16	13	18	15	13	10	9	11	10	7	7	26	17	26	7	13
26	8	6	15	12	6	10	26	38	38	39	37	23	28	26	34	28	40	21	18	21	23	17	22	9	40	6	23
27	35	32	22	14	38	44	23	30	9	12	13	16	23	15	17	18	11	12	25	18	18	7	19	31	44	7	21
28	10	24	14	12	10	6	29	31	29	22	21	16	18	14	18	18	11	10	9	7	8	7	7	8	31	6	15
29	24	51	44	51	19	15	12	34	56	64	39	61	46	53	29	23	17	10	6	26	51	4	6	6	64	4	31
30	21	4	2	4	5	6	9	12	13	11	13	13	14	13	10	10	10	8	7	5	7	8	24	22	24	2	10
31	9	15	10	22	26	5	7	21	43	15	11	10	9	11	16	17	12	10	10	12	7	6	4	8	43	4	13

Maximum hourly value= 68 degrees
Minimum hourly value = 2 degrees
Average hourly value = 17 degrees

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
March 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	E	F	E	E	D	E	D	D	C	A	A	B	A	B	B	A	A	B	E	E	D	E	E	E
2	E	E	F	D	D	F	D	D	D	B	A	A	A	B	B	C	C	D	D	F	E	E	E	E
3	E	D	E	E	D	E	D	D	C	C	C	C	C	D	D	D	D	D	D	D	D	D	D	D
4	D	F	D	F	D	D	D	D	D	D	D	D	D	D	D	D	D	C	E	E	D	D	D	D
5	D	D	D	D	E	E	A	C	C	B	B	B	A	A	A	A	B	C	F	E	E	E	E	E
6	E	D	E	E	E	D	C	C	C	A	A	A	C	A	A	A	B	B	F	D	F	F	F	F
7	E	E	E	E	E	E	D	C	C	C	D	A	B	A	A	D	C	A	E	D	D	E	E	D
8	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	D	E	D
9	E	D	E	D	E	D	C	D	A	A	A	A	A	B	B	B	A	C	D	F	D	E	D	D
10	E	F	D	D	F	F	D	A	C	C	C	A	A	A	A	A	B	C	F	E	E	E	D	D
11	E	F	E	D	E	E	D	D	C	B	A	A	B	B	C	B	D	D	E	F	E	E	F	D
12	F	F	D	E	D	E	C	C	B	C	D	C	C	C	C	C	D	D	E	D	D	E	D	D
13	D	D	D	E	E	D	D	D	C	C	B	A	A	B	B	A	A	A	E	E	D	D	D	F
14	E	D	D	F	F	D	D	A	A	A	A	A	A	A	B	C	C	D	E	D	D	F	F	D
15	D	F	F	F	F	F	A	D	A	A	A	B	B	B	C	C	C	D	E	D	E	E	D	E
16	D	E	E	E	E	E	D	B	B	C	B	B	C	C	C	D	D	D	D	F	F	F	F	D
17	F	F	F	D	D	E	B	C	A	D	D	D	C	C	D	D	C	C	D	D	D	D	D	D
18	F	F	D	F	E	E	D	D	A	B	C	C	C	C	C	C	D	C	F	E	E	E	D	E
19	D	E	F	F	F	F	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
20	D	E	D	F	F	D	D	D	B	C	D	D	D	D	D	D	D	D	E	E	E	D	E	D
21	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	F
22	E	D	D	D	D	F	D	D	D	C	D	D	D	D	C	D	D	D	D	E	E	D	F	E
23	E	D	D	E	E	E	D	D	B	A	B	A	B	A	B	B	A	B	D	D	E	E	D	D
24	D	F	E	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	F	E	E
25	E	E	E	D	E	D	D	C	D	C	A	C	D	D	D	D	D	D	D	D	E	D	E	E
26	D	D	D	D	E	D	A	A	A	A	B	C	B	B	B	B	A	B	F	E	F	E	F	D
27	F	F	F	E	F	F	A	A	D	D	C	C	C	D	D	D	D	D	F	F	E	E	E	F
28	D	F	E	D	D	E	B	A	A	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D
29	D	F	F	F	E	D	D	A	A	A	A	A	A	A	B	C	C	D	E	F	F	E	E	E
30	F	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	D	F	D
31	D	D	D	E	E	D	D	C	A	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
April 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	5.2	4.6	2.3	5.4	4.5	2.0	1.7	1.7	1.9	3.3	4.3	4.1	4.6	4.9	4.0	4.2	3.2	4.2	3.3	2.9	3.4	4.1	4.2	4.0	5.4	1.7	3.7
2	2.8	3.7	3.3	3.2	2.5	2.9	1.3	1.8	3.5	3.0	2.8	4.3	6.6	6.7	6.0	7.1	8.6	8.9	8.5	7.0	6.7	6.2	7.4	6.4	8.9	1.3	5.1
3	6.1	5.8	4.8	5.4	5.3	6.5	4.7	7.8	10.2	10.8	9.4	10.2	7.2	8.7	10.0	9.4	11.6	10.6	12.4	12.6	8.8	7.0	6.7	5.8	12.6	4.7	8.2
4	3.2	5.2	4.7	3.5	2.2	2.9	3.1	1.7	2.3	2.5	2.7	3.0	4.2	4.0	4.2	5.1	5.0	4.0	3.5	1.7	2.3	3.2	3.5	2.3	5.2	1.7	3.3
5	1.0	2.3	3.0	3.0	3.1	3.2	1.9	2.0	2.5	2.5	2.6	3.0	3.2	3.7	3.3	3.6	3.4	3.4	3.2	2.0	1.2	1.3	2.4	3.6	3.7	1.0	2.7
6	2.7	2.8	2.3	2.5	1.5	1.9	2.6	2.3	3.1	3.9	4.4	3.2	4.3	5.8	6.4	7.0	8.1	10.3	8.9	5.0	6.3	2.2	3.7	2.8	10.3	1.5	4.3
7	2.8	2.3	1.9	2.0	1.9	1.5	1.6	3.2	4.1	4.7	5.1	6.5	7.9	7.8	8.9	9.8	8.9	10.1	9.8	5.8	2.6	8.2	8.9	8.8	10.1	1.5	5.6
8	7.1	5.7	5.5	6.1	6.0	5.3	5.7	6.4	8.7	10.1	11.4	10.7	11.4	10.6	10.8	10.4	10.6	9.7	7.9	6.2	5.9	4.9	5.1	5.4	11.4	4.9	7.8
9	3.5	2.2	1.6	6.1	9.4	8.8	9.6	11.3	11.5	12.4	8.5	8.1	8.2	8.8	9.6	10.3	10.3	8.7	6.5	4.8	4.4	2.9	1.5	1.5	12.4	1.5	7.1
10	4.5	3.9	4.7	2.6	1.5	1.2	2.1	1.4	2.2	3.2	2.9	3.6	3.7	4.4	4.8	6.1	5.5	5.7	5.0	2.8	1.6	3.0	4.7	4.1	6.1	1.2	3.6
11	4.6	3.4	2.6	2.8	1.5	1.6	2.3	1.9	2.1	1.8	2.0	2.7	3.0	3.8	3.1	2.7	3.0	2.6	2.3	1.2	2.9	4.3	4.3	3.6	4.6	1.2	2.8
12	3.5	3.8	3.6	2.5	2.6	2.4	1.1	1.6	2.9	4.0	4.3	5.4	5.7	5.8	5.4	4.2	5.6	6.7	4.4	3.2	3.8	4.2	4.0	4.4	6.7	1.1	4.0
13	3.8	3.9	1.5	2.9	3.8	3.0	2.5	1.6	2.6	4.2	4.6	6.2	6.9	7.4	7.1	6.9	7.0	7.1	7.0	9.9	11.3	10.7	11.4	9.1	11.4	1.5	5.9
14	8.9	8.0	7.9	7.5	5.2	3.8	4.8	10.9	12.7	11.4	9.0	7.7	6.2	7.7	8.1	7.6	7.6	7.9	6.1	3.2	3.1	3.3	5.2	4.7	12.7	3.1	7.0
15	3.7	4.2	5.2	5.5	5.0	4.8	2.1	2.3	2.8	4.0	3.9	2.4	3.8	4.6	3.8	2.8	4.1	3.7	2.9	3.1	3.2	2.3	2.5	3.0	5.5	2.1	3.6
16	2.1	2.2	1.3	1.6	2.4	2.7	2.1	1.6	2.1	2.6	3.7	4.4	4.7	5.3	5.2	5.1	6.4	5.9	4.5	4.4	4.7	3.6	4.6	3.6	6.4	1.3	3.6
17	3.3	2.0	1.6	2.2	2.5	2.4	1.3	1.5	3.0	3.6	4.6	5.6	8.3	9.0	8.8	8.7	7.6	7.4	7.0	5.6	6.6	6.3	5.7	4.1	9.0	1.3	4.9
18	4.6	2.9	1.7	1.7	1.8	2.4	2.2	2.1	2.9	6.3	5.9	7.2	8.3	8.9	9.7	8.9	4.7	5.1	6.1	4.2	4.5	8.4	7.6	7.6	9.7	1.7	5.2
19	6.1	8.4	4.1	2.8	1.7	1.9	2.0	1.5	1.8	2.6	3.0	4.8	6.5	7.1	8.1	6.5	6.6	6.8	3.4	3.5	4.1	3.8	4.3	4.0	8.4	1.5	4.4
20	2.8	3.7	4.7	4.4	3.5	2.3	1.4	1.8	2.2	3.2	4.5	4.4	6.2	6.3	6.4	6.3	6.9	7.3	5.4	3.5	3.6	2.6	1.9	3.4	7.3	1.4	4.1
21	4.8	3.2	3.4	3.3	4.1	2.9	3.5	3.3	3.1	4.6	5.7	6.9	7.6	10.1	11.1	11.3	10.4	9.7	7.8	8.9	9.9	8.3	5.6	2.4	11.3	2.4	6.3
22	1.7	1.4	1.7	2.1	2.6	2.4	2.3	2.3	2.0	2.3	3.3	3.3	4.1	4.6	6.7	5.5	4.8	4.5	2.6	3.8	4.6	3.7	4.8	4.8	6.7	1.4	3.4
23	3.6	3.5	3.7	2.3	2.6	3.4	4.0	3.3	3.3	2.6	2.2	3.2	4.9	5.0	4.6	4.1	3.4	3.9	5.6	2.3	2.3	1.7	2.9	1.6	5.6	1.6	3.3
24	2.3	3.6	1.8	2.5	1.8	1.9	1.2	2.1	3.5	5.2	5.5	6.7	7.8	5.8	2.7	6.8	7.8	3.1	4.0	1.3	2.7	2.4	2.7	4.6	7.8	1.2	3.7
25	3.5	1.9	2.2	2.3	1.2	1.1	1.2	2.0	1.6	1.8	3.1	3.3	4.0	6.0	6.3	5.8	7.8	5.9	3.7	10.1	7.2	5.3	2.7	2.6	10.1	1.1	3.9
26	5.6	3.2	2.5	3.1	2.0	6.0	4.9	5.1	7.4	8.1	9.6	11.1	10.4	11.7	12.0	11.1	11.0	10.3	10.0	9.5	8.2	7.1	5.5	4.8	12.0	2.0	7.5
27	5.6	6.6	5.2	3.4	2.6	5.9	6.2	5.0	AUD	CAL	2.6	2.3	3.7	3.5	4.0	3.7	4.1	4.0	5.9	4.3	4.6	3.5	3.7	3.0	6.6	2.3	4.2
28	3.0	3.2	3.7	3.7	3.1	2.1	1.3	1.9	3.1	3.0	3.2	3.7	3.6	4.3	4.7	4.1	3.7	4.1	3.4	2.3	3.1	3.6	2.8	2.3	4.7	1.3	3.2
29	1.3	2.1	1.2	1.9	3.4	2.0	1.4	1.1	2.8	7.5	9.8	12.3	11.6	12.2	12.1	12.7	12.9	10.7	10.2	11.8	12.3	13.1	11.7	6.7	13.1	1.1	7.7
30	3.3	3.3	4.0	4.8	6.2	4.6	3.0	3.2	5.2	5.4	3.5	3.6	5.0	5.1	4.1	3.0	4.0	5.1	7.3	5.8	5.1	5.0	4.9	4.7	7.3	3.0	4.6

Maximum hourly value= 13.1 m/s
Minimum hourly value = 1.0 m/s
Average hourly value = 4.8 m/s

AUD = Audit
CAL = Calibration

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
April 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	326	326	27	344	2	225	325	248	213	188	174	190	208	206	206	170	278	303	282	328	21	18	24	20
2	18	24	27	26	42	32	185	291	148	153	154	185	199	205	211	221	227	226	220	207	206	196	203	202
3	202	204	200	193	185	179	181	209	230	267	319	325	324	320	322	317	326	323	321	314	322	319	303	302
4	326	314	312	322	353	4	16	144	162	181	223	210	210	205	216	191	179	192	223	213	28	3	358	19
5	52	30	21	17	24	24	26	89	127	138	139	179	167	202	221	209	197	215	205	222	3	27	260	274
6	293	318	233	165	112	37	34	79	144	157	177	185	239	265	265	298	313	311	316	282	159	171	136	144
7	133	106	84	61	73	62	80	150	170	194	184	178	184	185	191	193	203	197	210	234	186	195	198	190
8	187	174	172	172	177	168	169	162	169	183	190	194	187	206	216	222	220	221	217	216	213	215	205	216
9	216	206	194	182	184	177	177	182	186	199	202	238	216	222	208	200	206	238	236	220	220	210	146	184
10	241	237	236	212	74	18	31	67	218	202	197	201	216	220	301	318	298	314	296	306	264	323	328	328
11	327	346	20	8	330	316	281	261	249	267	265	226	204	204	181	202	174	183	187	41	18	2	360	1
12	12	15	14	39	7	327	329	268	162	144	145	169	199	190	209	218	205	251	266	291	325	329	330	304
13	294	308	96	19	20	26	27	90	196	187	179	189	207	190	184	190	204	215	218	220	223	218	231	265
14	255	261	260	275	300	301	283	325	334	343	329	338	323	326	326	318	306	309	306	299	311	323	321	326
15	311	315	336	330	345	344	9	354	148	228	356	73	360	300	299	302	170	167	149	28	4	11	33	37
16	11	358	64	359	4	359	344	248	197	182	197	199	182	211	212	230	269	295	294	310	344	349	343	348
17	338	104	10	11	318	330	15	171	160	167	182	207	232	249	244	252	246	244	239	235	251	256	256	264
18	285	278	224	258	61	42	40	53	131	189	204	218	225	236	261	272	264	252	264	257	255	309	335	332
19	329	358	340	195	144	36	19	89	161	197	186	196	218	242	267	286	267	281	307	341	27	9	14	9
20	16	14	21	21	16	355	353	95	136	168	180	200	195	208	183	209	235	232	210	218	224	231	198	209
21	214	212	215	216	353	30	46	73	146	163	186	194	204	221	233	243	245	255	268	319	318	323	338	100
22	158	147	49	35	17	21	12	7	321	239	210	209	218	233	276	263	287	286	275	45	37	11	356	339
23	326	322	327	356	308	280	302	324	324	322	145	181	225	247	279	285	262	254	221	163	160	284	269	69
24	284	312	32	32	353	149	100	113	159	171	201	216	216	277	291	267	311	356	328	360	47	56	151	360
25	5	11	323	267	343	237	323	76	114	176	205	211	227	236	230	240	250	287	318	339	347	346	38	244
26	330	341	353	70	24	329	301	320	322	319	311	310	310	307	302	308	303	310	315	319	329	329	330	316
27	307	322	334	22	27	325	320	329	AUD	CAL	245	336	230	215	215	184	184	341	331	340	347	13	12	8
28	351	13	17	25	12	315	348	101	146	162	146	158	161	174	176	183	162	161	135	81	21	18	21	336
29	222	151	87	132	166	174	158	75	235	256	251	254	253	250	254	246	261	290	323	320	319	323	325	331
30	330	301	319	328	330	333	324	320	3	23	347	309	70	74	72	28	305	329	354	17	16	351	344	339

AUD = Audit
CAL = Calibration

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
April 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	4	15	24	11	8	39	31	21	19	19	15	16	16	16	36	24	45	10	6	10	10	4	5	5	45	4	17
2	6	4	6	7	7	7	29	29	17	22	27	18	14	15	13	13	10	10	7	6	7	8	7	6	29	4	12
3	7	8	7	7	7	7	7	9	10	14	8	8	13	9	10	11	10	11	8	8	8	8	9	9	14	7	9
4	19	6	5	17	11	8	18	21	28	43	35	51	24	25	21	18	16	11	12	48	10	11	9	12	51	5	20
5	30	6	5	4	5	3	7	15	20	39	38	32	31	27	23	23	17	12	5	14	36	27	10	6	39	3	18
6	17	15	10	31	19	8	9	14	17	13	16	17	18	22	16	11	9	9	7	19	20	21	9	11	31	7	15
7	12	12	12	9	9	11	13	10	12	10	14	13	14	15	12	9	9	9	10	9	12	8	7	7	15	7	11
8	7	7	8	8	8	8	8	9	9	11	10	11	12	10	9	9	9	9	8	9	7	8	7	7	12	7	9
9	6	8	14	9	8	8	8	8	8	9	9	13	11	13	11	9	8	11	8	7	7	7	31	31	31	6	11
10	6	7	7	29	36	19	13	38	43	24	44	28	51	27	35	24	22	12	8	5	17	5	3	10	51	3	21
11	3	21	19	8	18	16	23	17	32	67	48	60	51	23	31	28	26	22	19	45	9	5	4	5	67	3	25
12	4	4	4	14	5	15	57	42	32	20	15	19	17	14	16	27	17	15	8	4	4	5	4	6	57	4	15
13	8	18	30	6	4	4	6	28	22	17	16	21	15	14	15	15	15	9	8	7	8	7	9	10	30	4	13
14	9	8	9	10	7	15	16	8	9	10	12	19	22	19	18	20	15	11	8	6	8	9	6	5	22	5	12
15	5	22	8	10	14	25	32	32	26	38	49	73	43	20	28	51	51	14	11	22	19	14	4	3	73	3	26
16	10	36	42	24	15	7	14	21	24	26	18	15	22	20	25	21	20	11	6	6	2	13	13	5	42	2	17
17	6	37	21	8	11	23	35	24	18	19	17	20	17	12	16	13	12	9	8	8	8	7	8	10	37	6	15
18	5	15	14	11	38	7	9	10	16	13	15	15	13	10	11	12	11	10	9	8	9	12	7	10	38	5	12
19	8	9	25	14	36	10	9	40	36	27	32	21	17	18	15	16	14	10	7	8	7	7	7	7	40	7	17
20	11	6	5	5	4	17	20	19	27	32	16	21	22	19	17	18	12	11	8	8	7	13	35	48	48	4	17
21	6	7	8	43	10	10	9	17	20	19	17	17	19	13	13	12	10	10	9	15	7	8	20	23	43	6	14
22	18	33	41	18	8	14	13	19	57	45	43	55	45	28	18	21	17	15	13	10	7	9	6	5	57	5	23
23	5	5	5	9	14	10	9	11	17	27	53	42	20	21	21	13	14	14	17	16	20	25	45	10	53	5	18
24	36	12	49	8	38	11	21	17	15	13	12	11	11	11	15	12	10	32	32	55	9	24	23	22	55	8	21
25	21	17	10	40	33	28	71	23	36	35	30	54	30	14	16	16	11	8	9	8	8	13	23	38	71	8	25
26	12	19	29	10	11	8	10	10	10	12	11	10	12	11	13	12	10	10	10	11	8	8	8	6	29	6	11
27	7	7	10	14	13	7	7	12	AUD	CAL	45	62	37	51	36	26	21	47	7	5	10	5	9	13	62	5	21
28	8	17	5	5	4	27	20	24	23	24	30	30	35	26	26	29	23	15	10	13	8	8	22	23	35	4	19
29	13	15	39	10	9	12	13	30	46	16	13	11	13	11	13	11	10	18	8	8	8	8	8	8	46	8	15
30	15	8	8	7	7	17	17	38	31	42	63	68	22	27	19	44	49	13	11	7	6	7	7	5	68	5	22

Maximum hourly value= 73 degrees
Minimum hourly value = 2 degrees
Average hourly value = 17 degrees

AUD = Audit
CAL = Calibration

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
April 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	D	D	F	D	D	F	A	B	B	B	C	C	C	C	C	C	B	D	E	D	D	E	E	E
2	E	E	E	E	E	E	A	A	C	B	A	C	D	D	D	D	D	D	D	D	D	D	D	D
3	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
4	D	D	E	D	D	D	B	B	A	A	A	B	C	C	C	C	C	D	D	F	D	D	D	D
5	F	E	E	E	E	E	D	C	B	A	A	B	B	B	B	B	C	D	E	E	F	F	D	E
6	D	D	D	F	F	D	D	C	C	C	C	C	C	C	D	D	D	D	D	D	D	F	D	D
7	D	D	D	D	D	D	C	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D
8	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
9	E	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	F	F
10	E	E	E	F	F	B	C	A	A	B	A	B	B	C	C	D	C	D	D	E	E	E	E	D
11	E	D	E	D	F	C	A	C	A	A	A	A	B	B	B	A	B	B	F	F	D	E	E	E
12	E	E	E	D	E	C	A	A	A	C	C	C	C	C	C	C	C	D	D	E	E	E	E	E
13	D	D	F	E	E	D	D	A	B	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D
14	D	D	D	D	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	E
15	E	D	D	D	D	C	A	A	A	C	B	A	B	C	B	A	C	C	D	D	D	E	E	E
16	D	F	F	F	D	D	C	B	A	A	B	C	C	C	C	C	D	D	E	E	E	D	D	E
17	E	F	F	D	D	A	A	A	B	B	C	C	D	D	D	D	D	D	D	D	D	D	D	D
18	E	D	E	D	F	D	D	D	C	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D
19	D	D	D	D	F	D	D	A	A	A	B	C	D	D	D	D	D	D	E	D	E	E	E	E
20	D	E	E	E	E	C	B	B	A	B	C	C	D	D	D	D	D	D	D	D	E	D	F	E
21	E	E	D	E	D	D	D	C	B	C	C	D	D	D	D	D	D	D	D	D	D	D	D	F
22	F	F	F	F	D	C	C	B	A	A	B	B	C	C	D	C	C	C	D	D	E	D	E	E
23	E	E	E	D	D	D	D	D	C	A	A	B	C	C	C	C	C	C	D	E	F	F	E	D
24	F	D	F	D	F	D	B	C	C	C	D	D	D	D	C	D	D	B	D	F	D	F	F	D
25	D	E	D	F	F	A	A	A	A	A	B	B	C	D	D	C	D	D	D	D	D	D	F	F
26	D	D	F	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
27	D	D	D	D	D	D	D	D	AUD	CAL	A	A	B	B	C	B	C	C	D	E	D	E	D	D
28	D	D	E	E	E	A	B	A	B	B	B	B	B	C	C	C	B	C	D	E	D	D	E	F
29	E	E	F	D	D	D	C	A	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
30	D	D	D	E	D	C	C	B	C	C	B	B	C	C	C	B	C	C	D	D	D	D	E	E

AUD = Aduit
CAL = Calibration

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
May 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	4.7	4.8	7.0	6.3	4.8	3.3	4.8	5.2	5.1	4.6	5.1	4.7	7.3	5.8	8.8	9.2	8.7	8.4	9.5	7.8	4.7	3.1	2.5	4.3	9.5	2.5	5.9
2	4.8	4.3	4.7	4.3	2.5	2.4	1.5	1.3	2.1	2.9	3.0	2.3	3.3	4.5	4.4	4.7	4.6	3.7	4.0	4.0	2.9	3.6	2.2	1.6	4.8	1.3	3.3
3	1.1	1.3	2.0	2.0	2.6	2.3	2.3	3.1	3.2	3.1	3.8	3.7	4.0	4.6	4.2	4.7	5.2	4.1	3.3	1.6	1.8	3.1	3.5	3.8	5.2	1.1	3.1
4	3.2	2.9	3.4	3.6	4.1	3.6	1.2	1.5	2.6	3.0	3.3	3.6	3.0	5.0	5.5	7.3	7.1	5.6	5.3	4.3	5.2	4.3	1.9	4.2	7.3	1.2	3.9
5	2.6	1.5	2.1	1.7	3.7	4.0	2.7	1.8	1.7	1.8	2.1	2.8	3.6	4.2	4.5	4.4	5.1	5.1	4.8	2.8	2.1	4.2	2.8	2.8	5.1	1.5	3.1
6	2.9	1.7	2.6	2.8	3.3	2.9	1.5	2.4	2.6	3.0	3.3	4.2	5.4	7.0	6.5	7.2	7.2	5.9	5.0	2.6	1.0	1.7	1.8	2.5	7.2	1.0	3.6
7	1.6	1.8	1.9	1.4	2.7	3.7	2.2	2.2	4.7	4.7	5.2	5.3	6.8	5.9	7.4	6.7	5.4	5.9	6.5	4.7	3.7	3.6	1.6	1.6	7.4	1.4	4.1
8	2.1	1.3	2.1	2.5	1.9	1.9	2.0	4.6	7.3	8.2	8.3	8.4	7.8	9.7	9.8	9.8	11.2	10.3	10.8	8.7	9.1	7.3	8.0	7.3	11.2	1.3	6.7
9	6.2	7.5	7.7	7.9	8.3	8.9	10.0	11.6	7.9	7.0	8.5	9.6	10.0	10.7	9.5	9.7	8.1	8.1	6.5	5.9	3.9	3.2	3.1	3.3	11.6	3.1	7.6
10	4.4	2.5	1.9	2.6	2.4	2.5	1.9	3.5	3.6	4.7	4.6	4.9	5.0	5.4	6.6	7.6	4.6	3.5	2.6	3.4	4.4	4.9	4.4	2.1	7.6	1.9	3.9
11	3.5	2.8	2.9	3.3	3.9	2.7	2.6	2.0	1.8	2.7	3.9	4.6	3.7	4.6	4.0	5.9	5.8	7.1	7.2	6.0	3.5	6.1	3.0	3.7	7.2	1.8	4.1
12	3.3	4.3	2.0	1.4	1.1	1.2	1.1	2.0	2.5	4.4	5.0	6.2	5.3	6.9	7.1	7.8	7.0	7.4	5.9	3.6	3.4	4.7	3.7	4.3	7.8	1.1	4.2
13	4.7	4.4	4.2	4.2	3.3	4.0	3.9	5.1	5.8	7.0	5.8	5.1	4.8	4.2	3.1	3.4	3.5	3.9	3.3	2.7	1.4	4.5	5.4	4.6	7.0	1.4	4.3
14	3.8	3.5	2.6	2.9	4.5	3.9	3.2	3.0	5.1	3.0	2.9	2.9	3.4	3.5	5.7	5.6	2.8	2.8	2.1	3.7	3.1	5.4	5.1	3.4	5.7	2.1	3.7
15	3.2	2.4	2.2	1.9	2.4	2.2	2.3	4.7	5.0	4.8	6.4	6.7	7.7	7.9	8.2	9.4	8.5	10.0	9.0	7.9	8.3	7.5	6.8	4.9	10.0	1.9	5.8
16	4.9	3.4	3.1	2.8	3.2	5.0	5.4	6.9	7.9	7.3	7.5	8.6	9.6	9.3	9.6	9.1	8.7	8.9	5.2	4.1	4.2	8.2	8.7	6.9	9.6	2.8	6.6
17	6.4	5.3	5.8	7.0	7.6	6.9	6.3	5.0	4.5	3.0	3.8	4.3	3.7	4.8	7.3	6.2	6.6	5.2	4.9	4.1	2.8	1.2	2.3	2.3	7.6	1.2	4.9
18	2.2	3.7	5.2	7.4	7.6	7.8	9.0	10.0	10.7	11.0	11.0	5.2	4.8	6.7	5.6	5.3	6.9	6.6	5.4	6.0	3.7	2.9	2.1	4.0	11.0	2.1	6.3
19	2.7	3.4	3.2	3.1	3.3	4.0	3.8	4.5	4.6	3.3	2.8	1.8	3.5	2.0	2.4	4.0	3.0	5.1	2.4	1.8	2.5	2.4	1.6	2.4	5.1	1.6	3.1
20	2.3	1.8	1.2	1.2	0.7	1.1	1.1	1.9	3.4	3.7	3.9	4.6	5.4	7.5	7.4	9.5	8.0	7.2	3.4	1.8	1.2	1.6	1.9	1.3	9.5	0.7	3.5
21	1.4	2.9	2.4	2.0	2.4	2.0	1.3	1.4	3.3	3.8	4.3	4.6	4.8	3.5	4.1	4.4	4.4	4.2	4.2	3.1	2.7	3.7	2.7	2.9	4.8	1.3	3.2
22	3.3	1.8	1.4	3.4	2.3	2.5	1.4	2.4	2.5	3.5	3.4	3.2	4.2	3.9	5.6	5.9	2.9	3.7	3.1	4.3	3.9	4.0	2.8	3.8	5.9	1.4	3.3
23	4.1	3.2	3.1	3.0	3.1	2.1	3.6	5.4	5.4	4.4	6.4	8.1	7.3	8.4	8.3	8.2	8.3	8.3	7.2	4.9	3.9	4.4	3.4	3.2	8.4	2.1	5.3
24	2.1	2.6	4.1	5.4	5.0	3.3	3.3	1.9	2.9	4.6	6.6	4.0	3.5	7.5	8.4	5.3	4.0	7.3	5.7	2.8	3.0	4.0	4.2	4.0	8.4	1.9	4.4
25	3.6	4.4	4.0	1.8	2.0	3.1	1.6	1.4	2.7	2.4	2.7	3.2	3.5	3.7	3.2	3.9	3.5	4.3	4.4	2.6	1.7	3.0	3.6	3.9	4.4	1.4	3.1
26	2.7	3.4	2.7	1.2	2.2	1.7	2.2	2.0	3.7	5.3	6.2	6.2	5.9	8.3	8.0	8.5	8.3	7.8	6.8	6.2	5.3	5.2	5.7	4.8	8.5	1.2	5.0
27	4.5	5.1	3.9	2.3	1.8	1.7	1.2	3.6	4.6	5.0	6.8	6.9	8.6	9.5	9.4	9.8	9.4	8.0	6.7	4.1	3.5	3.2	4.3	4.4	9.8	1.2	5.3
28	4.2	3.8	3.2	1.7	2.1	1.4	1.7	3.0	5.6	6.2	7.2	6.7	7.8	8.6	10.0	9.4	10.8	11.9	11.7	11.5	10.9	11.3	9.4	8.9	11.9	1.4	7.0
29	7.4	8.1	8.9	8.1	6.3	6.5	9.3	11.4	13.1	14.1	14.3	13.1	14.0	15.0	15.1	15.0	14.8	13.9	12.3	12.2	10.8	8.0	7.5	5.6	15.1	5.6	11.0
30	5.8	5.3	5.9	5.4	6.3	5.2	5.5	6.1	4.9	5.3	5.0	5.2	5.8	6.2	8.3	8.2	7.2	6.6	6.0	4.6	2.8	2.3	4.0	3.7	8.3	2.3	5.5
31	3.7	3.4	4.1	3.7	4.0	2.8	2.0	1.9	3.4	4.7	5.8	4.9	5.0	4.5	4.4	3.7	2.8	2.4	1.3	2.3	4.6	3.7	2.6	2.1	5.8	1.3	3.5

Maximum hourly value= 15.1 m/s
Minimum hourly value = 0.7 m/s
Average hourly value = 4.8 m/s

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
May 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	332	322	332	331	329	336	328	334	339	338	343	4	321	356	15	6	17	49	38	32	341	12	17	341
2	341	355	348	357	323	309	327	140	128	185	217	148	205	215	233	220	223	232	324	338	2	18	3	55
3	347	324	1	332	18	23	49	127	141	150	161	170	182	203	199	190	190	184	189	98	56	16	19	12
4	18	46	28	20	18	4	266	162	196	184	201	215	223	235	306	329	320	314	317	341	351	333	282	329
5	29	118	124	10	9	3	352	332	305	286	248	222	208	224	231	203	231	221	251	269	316	355	358	22
6	3	352	23	38	21	30	64	120	139	164	190	181	191	223	245	252	239	246	245	231	312	343	30	42
7	43	47	58	71	44	24	38	115	176	163	180	195	213	193	222	223	219	237	212	217	241	247	162	273
8	278	221	97	146	42	48	45	182	186	186	186	196	211	215	201	200	223	209	197	198	193	194	190	180
9	165	167	175	176	180	180	190	190	216	196	192	230	219	221	209	230	232	255	267	267	255	266	231	255
10	244	226	24	26	39	19	57	157	190	191	191	191	190	202	224	271	285	259	274	260	312	319	303	2
11	296	294	272	260	319	17	14	21	243	256	293	201	267	301	301	327	330	302	308	307	344	340	343	293
12	305	306	298	4	188	133	67	157	139	280	291	305	327	303	327	328	346	328	337	2	21	7	21	359
13	6	2	6	7	12	11	23	54	60	52	42	46	76	75	98	124	172	161	178	184	296	355	345	2
14	10	5	26	49	22	10	27	117	156	171	129	146	162	216	241	229	201	196	274	326	308	44	32	360
15	21	264	351	55	43	44	140	171	181	176	185	184	188	197	199	197	193	194	204	202	201	200	194	193
16	182	168	178	158	160	169	182	186	190	185	181	175	191	198	200	204	213	236	242	238	225	210	211	210
17	206	228	257	256	264	269	262	261	263	230	210	205	219	209	232	241	238	249	246	265	270	236	250	230
18	197	190	189	182	183	190	190	189	185	185	190	200	200	212	241	172	181	169	145	146	157	141	148	172
19	160	171	154	166	167	183	180	187	182	165	256	16	264	170	214	253	207	272	270	225	214	148	127	146
20	144	135	96	61	146	140	183	211	208	198	200	207	240	267	267	274	285	275	214	264	40	42	40	347
21	315	358	26	21	30	359	291	185	188	203	195	208	223	235	235	236	267	261	269	280	332	5	359	5
22	357	348	52	17	21	27	48	137	154	179	175	185	191	200	198	225	327	176	80	37	27	15	14	11
23	50	32	24	34	28	60	164	178	184	186	185	197	199	196	174	202	212	231	221	242	315	323	7	1
24	8	288	329	315	318	296	292	298	248	238	252	288	346	306	322	318	294	265	279	314	314	325	328	318
25	317	321	322	350	57	11	40	136	123	117	200	191	219	189	228	189	182	182	171	151	85	26	25	24
26	25	38	37	27	101	68	58	114	157	179	195	199	208	222	220	245	260	261	261	268	253	267	257	250
27	262	263	272	31	11	32	31	240	209	208	235	243	238	236	245	256	262	253	268	273	277	245	251	261
28	263	232	231	125	238	36	58	131	178	194	191	197	208	225	231	229	230	215	206	205	207	208	193	193
29	191	183	187	182	174	168	178	189	191	186	188	194	194	205	203	201	205	201	198	196	200	243	258	258
30	240	225	241	249	259	250	247	226	243	232	226	209	206	237	243	256	243	254	245	249	241	350	10	10
31	18	26	19	14	18	14	48	134	135	137	149	151	163	167	153	129	143	112	209	33	18	11	7	35

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
May 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	6	6	7	6	7	12	8	16	27	48	39	27	20	24	12	14	14	9	8	8	9	19	27	6	48	6	16
2	5	7	6	11	14	17	41	56	45	32	50	59	51	35	28	26	19	22	23	13	18	6	30	24	59	5	27
3	46	27	11	13	6	4	13	13	20	21	22	28	29	23	29	21	17	18	13	17	11	6	7	6	46	4	18
4	5	10	6	10	6	8	39	34	26	29	40	40	54	35	36	18	13	22	9	7	5	50	19	17	54	5	22
5	29	51	50	29	9	6	19	23	39	50	59	40	39	24	23	30	21	14	9	5	10	7	12	10	59	5	25
6	6	16	7	8	7	7	17	17	20	23	21	21	20	16	21	19	13	12	8	4	24	12	7	9	24	4	14
7	18	19	14	18	8	4	12	16	13	14	15	20	15	25	23	17	19	15	8	6	5	14	23	38	38	4	16
8	14	33	26	11	27	23	16	48	10	12	13	18	15	16	14	11	10	9	8	7	7	7	7	8	48	7	15
9	8	8	8	9	8	8	8	13	11	9	14	11	11	12	11	12	15	12	10	8	12	14	11	7	15	7	10
10	8	15	15	6	8	6	20	14	20	21	25	26	29	19	22	13	21	21	29	8	7	8	9	43	43	6	17
11	9	19	7	9	10	12	5	13	40	46	35	16	22	24	38	13	11	12	9	6	17	10	11	5	46	5	17
12	4	5	43	66	52	51	38	24	42	36	20	20	28	16	20	14	16	14	10	10	14	15	6	6	66	4	24
13	5	5	5	5	12	5	7	9	12	15	18	26	26	33	59	35	22	22	9	9	38	6	1	6	59	1	16
14	4	5	31	28	5	6	14	26	17	25	41	54	35	44	28	20	31	23	48	13	25	9	6	17	54	4	23
15	16	22	25	8	5	8	20	10	15	16	14	16	15	19	13	12	12	9	8	7	7	7	7	6	25	5	12
16	6	8	8	18	7	7	9	10	12	13	13	16	13	11	12	14	10	12	10	7	9	7	7	8	18	6	10
17	7	8	8	9	10	8	10	10	15	37	20	28	25	28	16	17	15	19	9	8	5	22	13	13	37	5	15
18	11	8	8	7	7	7	8	8	9	10	10	19	15	18	16	17	12	12	9	9	10	9	13	9	19	7	11
19	8	10	7	8	9	8	8	11	12	34	15	34	13	28	42	18	25	12	15	25	38	20	13	8	42	7	18
20	10	12	11	19	37	17	18	16	13	12	14	13	14	13	11	10	13	12	17	11	32	35	17	17	37	10	16
21	23	28	11	24	15	20	14	40	17	15	16	22	18	29	31	22	31	20	11	5	7	5	10	6	40	5	18
22	6	27	36	5	9	5	22	20	26	21	27	36	33	45	22	20	50	18	21	10	16	50	21	12	50	5	23
23	7	7	5	8	6	10	11	10	12	18	15	13	14	14	21	14	14	11	8	12	15	19	21	13	21	5	12
24	16	24	12	9	9	7	12	20	23	22	21	25	32	23	10	14	22	10	11	6	6	4	6	5	32	4	15
25	9	5	13	27	52	6	17	42	25	57	59	37	40	35	55	34	29	16	9	8	19	7	5	4	59	4	25
26	4	6	19	42	19	20	8	15	16	20	16	17	22	15	16	17	13	10	11	7	7	8	8	7	42	4	14
27	7	6	20	15	16	8	27	23	14	20	20	16	14	13	15	12	11	12	10	6	4	8	6	8	27	4	13
28	9	10	29	33	30	22	17	16	13	16	17	16	17	16	14	14	13	8	8	8	7	9	7	7	33	7	15
29	7	8	7	7	7	9	8	10	9	10	10	11	11	9	9	9	8	9	8	7	8	11	8	9	11	7	9
30	10	8	9	10	8	9	14	12	19	22	22	29	25	23	19	15	19	19	12	9	9	16	6	6	29	6	15
31	5	8	4	4	3	6	11	44	20	20	17	24	24	32	31	22	32	36	47	11	4	4	19	7	47	3	18

Maximum hourly value= 66 degrees
Minimum hourly value = 1 degrees
Average hourly value = 17 degrees

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
May 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	E	E	D	D	E	D	D	C	C	C	C	C	D	C	D	D	D	D	D	D	D	D	F	E
2	E	E	E	D	D	C	A	A	A	A	B	A	B	C	C	C	C	B	C	D	E	E	F	F
3	F	F	D	E	E	D	C	C	B	B	B	B	C	C	C	C	C	C	C	E	D	E	E	E
4	E	D	E	D	E	D	A	A	A	B	B	B	B	C	C	D	D	C	D	E	D	D	F	D
5	F	F	F	F	D	D	B	A	A	A	A	A	B	C	C	C	C	C	D	E	D	E	D	D
6	E	E	E	D	E	D	C	C	B	B	B	C	C	D	D	D	D	D	D	E	F	D	E	D
7	F	F	E	F	D	D	D	C	C	C	C	C	D	C	D	D	C	C	D	E	E	D	F	F
8	E	F	F	D	F	A	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
9	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E
10	D	D	E	E	D	D	B	C	B	C	C	C	C	C	D	D	C	B	A	D	E	D	D	F
11	D	E	E	D	D	D	D	C	A	A	B	C	B	C	C	C	D	D	D	D	D	D	D	E
12	E	E	F	F	F	A	A	A	A	C	C	D	C	D	D	D	D	D	D	D	D	D	E	E
13	E	E	E	E	D	D	D	D	D	D	C	C	C	C	B	B	B	B	D	D	F	E	D	E
14	E	E	F	E	E	D	C	B	C	B	A	A	B	B	C	C	A	A	A	D	E	D	D	D
15	D	E	F	D	E	D	B	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	E
16	E	D	D	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	D
17	D	D	D	D	D	D	D	D	C	B	B	C	B	C	D	D	D	C	D	D	E	F	E	E
18	D	D	D	D	D	D	D	D	D	D	D	C	C	D	C	C	D	D	D	D	D	D	E	D
19	D	D	E	D	D	D	D	D	D	B	C	A	C	A	A	C	B	D	C	F	F	E	E	D
20	D	D	D	F	F	C	B	C	C	D	C	C	C	D	D	D	D	D	C	D	F	F	E	E
21	F	E	D	F	D	B	C	A	C	C	C	C	C	B	C	C	C	C	D	E	E	E	D	E
22	E	F	F	E	D	D	B	B	A	B	B	B	C	B	C	C	A	B	B	D	D	D	E	D
23	E	E	E	D	E	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D
24	E	F	D	D	D	D	D	B	A	C	D	C	B	D	D	C	C	D	D	E	E	E	E	E
25	D	E	D	F	F	D	C	A	A	A	A	B	B	B	B	B	B	C	D	D	F	E	E	E
26	E	E	E	F	F	B	D	C	C	C	D	D	C	D	D	D	D	D	D	D	D	D	D	E
27	E	D	D	E	E	D	A	B	C	C	D	D	D	D	D	D	D	D	D	E	E	D	E	D
28	D	D	E	F	F	B	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
29	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
30	D	D	D	D	D	D	C	D	C	C	C	C	C	D	D	D	D	D	D	D	D	E	E	E
31	E	D	E	E	E	D	D	A	B	C	C	C	C	C	C	B	A	A	A	D	E	E	E	E

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
June 2011

10-Meter Level Hourly Wind Speed (m/s)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	1.9	2.6	2.5	2.2	1.5	2.4	1.7	3.5	5.4	4.9	5.5	5.6	8.2	9.0	9.3	8.4	6.5	8.9	9.1	7.1	5.8	6.1	5.6	5.2	9.3	1.5	5.4
2	5.1	3.8	2.9	4.1	3.5	2.6	5.3	7.3	8.6	7.7	8.3	7.8	7.0	8.1	7.8	8.7	10.6	8.9	7.2	5.1	2.6	3.9	4.1	2.0	10.6	2.0	6.0
3	2.6	3.0	2.2	2.4	3.2	3.1	2.8	2.5	3.7	2.8	4.3	5.5	6.2	5.7	6.2	5.1	4.5	3.8	1.0	1.4	2.8	3.6	4.1	3.9	6.2	1.0	3.6
4	3.7	1.7	3.5	3.1	3.5	4.4	2.6	2.6	3.0	3.3	4.4	6.1	5.1	7.5	8.1	8.1	7.1	7.2	6.0	4.7	3.8	2.6	2.8	2.7	8.1	1.7	4.5
5	1.9	3.0	3.8	3.4	4.4	3.6	2.2	3.8	4.2	3.9	3.9	5.0	4.7	4.8	4.6	3.7	6.1	6.3	6.0	3.0	0.9	2.7	3.0	2.5	6.3	0.9	3.8
6	3.2	2.2	1.4	2.6	2.5	2.4	1.9	2.6	5.3	7.0	9.5	13.5	13.8	13.8	13.3	13.1	12.7	13.0	9.8	8.5	6.9	5.4	3.1	2.3	13.8	1.4	7.1
7	2.3	2.9	3.2	2.8	1.3	2.2	1.4	1.9	3.0	3.6	4.1	3.6	3.6	4.1	4.1	4.2	3.9	3.4	2.3	1.2	2.8	3.9	3.3	3.6	4.2	1.2	3.0
8	3.0	3.7	3.5	3.7	3.2	3.0	2.1	2.8	4.5	5.8	5.0	5.3	5.3	6.3	7.0	8.3	8.1	7.6	6.2	4.4	4.0	2.0	3.4	3.1	8.3	2.0	4.6
9	3.6	1.3	1.7	2.7	3.6	2.9	2.7	2.6	3.1	3.2	3.3	4.4	5.2	6.1	6.3	6.1	6.2	6.1	5.0	4.1	2.9	4.2	4.0	3.2	6.3	1.3	3.9
10	2.8	2.9	4.0	3.4	1.4	1.9	2.6	1.5	1.8	1.9	2.5	2.5	3.4	3.5	4.3	3.5	4.4	2.3	2.3	1.3	2.6	3.9	4.6	4.4	4.6	1.3	2.9
11	3.9	4.2	3.7	2.0	3.4	3.1	2.1	2.7	4.0	4.8	4.4	4.9	6.4	6.5	7.6	7.7	7.3	5.5	5.4	4.2	2.6	1.8	1.0	1.2	7.7	1.0	4.2
12	2.0	2.1	1.5	3.3	2.8	3.1	2.7	2.3	3.1	4.1	5.0	5.3	6.3	3.5	5.7	8.6	6.7	5.4	4.5	2.8	1.2	1.6	2.5	2.8	8.6	1.2	3.7
13	3.4	3.8	3.5	3.3	3.2	3.1	2.8	3.1	4.2	5.2	5.8	5.2	6.6	5.7	6.1	6.5	6.4	6.3	6.9	5.0	3.5	3.8	4.4	4.0	6.9	2.8	4.7
14	6.2	6.5	5.6	4.9	5.4	4.2	4.4	3.7	5.4	5.8	5.3	4.7	4.6	5.1	5.1	4.6	5.2	3.6	2.9	2.5	3.2	2.1	2.0	3.7	6.5	2.0	4.4
15	2.0	2.8	3.0	2.1	1.9	0.8	1.2	1.8	1.9	2.9	3.7	4.3	4.4	3.6	3.6	3.8	4.6	3.7	4.2	3.3	1.9	1.7	3.4	3.1	4.6	0.8	2.9
16	2.5	3.1	2.8	1.8	2.0	2.3	2.0	5.2	5.3	6.7	6.0	7.0	10.0	9.7	9.7	9.3	8.7	8.6	8.3	7.9	7.6	4.0	5.0	3.5	10.0	1.8	5.8
17	3.3	3.1	2.9	3.1	2.5	1.5	1.3	1.4	2.5	1.0	0.6	0.5	0.5	0.6	0.7	0.7	0.6	0.5	0.5	0.4	1.7	3.7	3.3	2.5	3.7	0.4	1.6
18	1.7	3.0	4.0	3.6	4.7	3.9	3.1	2.3	3.2	1.1	1.7	4.1	1.0	2.6	0.6	0.6	0.6	0.6	0.5	0.4	*	*	*	0.5	4.7	0.4	1.8
19	*	*	0.4	0.4	0.4	1.3	1.7	4.3	5.9	6.2	7.4	7.8	7.8	7.5	10.4	11.6	11.1	8.7	8.0	6.9	4.4	3.1	2.1	2.7	11.6	0.4	5.0
20	0.9	0.4	0.4	0.6	0.5	1.1	5.3	5.7	1.6	1.8	2.3	4.3	4.3	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	1.7	3.0	5.7	0.4	1.6
21	3.1	3.6	4.0	3.6	4.3	1.0	0.4	0.4	0.6	0.8	1.0	3.2	1.5	1.1	1.4	2.4	2.3	0.9	0.6	0.5	0.4	0.4	2.7	4.4	4.4	0.4	1.9
22	2.6	1.3	2.6	3.6	4.4	4.3	2.5	2.7	1.9	1.5	2.1	1.8	0.7	3.1	1.0	2.6	0.7	0.5	0.6	0.4	*	0.5	2.4	4.1	4.4	0.4	2.0
23	4.3	4.8	4.4	0.4	1.3	2.7	1.7	2.7	3.4	2.0	0.8	0.5	0.7	2.7	5.4	5.8	5.6	6.2	6.3	4.4	3.7	3.6	3.6	3.7	6.3	0.4	3.4
24	3.0	2.0	2.8	2.1	2.6	2.7	2.0	3.0	5.0	5.1	4.5	1.8	1.8	6.2	6.5	7.9	8.2	7.2	7.6	5.3	3.9	4.3	3.0	3.6	8.2	1.8	4.3
25	0.9	*	0.5	*	0.5	0.4	1.6	1.3	1.4	2.5	2.7	0.6	1.6	6.3	6.0	2.4	6.2	5.4	4.9	3.8	2.2	1.6	0.7	1.1	6.3	0.4	2.3
26	0.5	*	*	*	0.4	0.5	0.4	1.2	2.4	3.2	0.5	4.5	5.8	6.6	7.4	7.7	8.1	8.0	6.9	5.6	3.0	1.2	*	*	8.1	0.4	3.1
27	0.4	2.8	2.8	2.8	3.1	4.2	2.7	2.4	1.6	1.9	1.2	3.0	3.9	5.6	5.8	1.9	0.6	0.6	0.5	*	*	0.4	0.4	0.4	5.8	0.4	2.0
28	0.4	0.4	0.5	0.4	*	*	1.1	2.9	3.9	3.5	0.8	1.2	5.1	6.5	7.5	5.7	4.8	5.8	6.2	4.6	2.4	6.3	4.3	5.0	7.5	0.4	3.3
29	4.3	3.7	0.6	0.9	1.3	1.7	3.3	0.8	2.8	5.1	4.7	5.8	6.0	7.4	8.1	8.6	8.2	5.7	4.9	1.7	2.4	2.3	2.2	0.9	8.6	0.6	3.9
30	0.7	0.4	1.4	2.2	1.9	2.4	1.1	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.4	0.5	0.5	0.5	2.4	0.4	0.9

Maximum hourly value= 13.8 m/s
Minimum hourly value = 0.4 m/s
Average hourly value = 3.6 m/s

* = Calm

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
June 2011

10-Meter Hourly Wind Direction (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	20	38	24	66	97	29	160	170	169	165	178	183	183	191	194	206	200	204	210	204	201	198	187	185
2	176	178	156	173	186	193	187	182	180	193	196	188	190	210	224	229	228	246	261	266	286	321	295	27
3	16	356	349	295	15	30	53	108	159	177	182	187	209	197	197	198	188	231	277	19	12	3	359	18
4	22	321	24	30	28	14	19	113	131	143	182	179	194	183	197	196	201	199	197	199	221	248	291	293
5	28	21	26	27	20	12	43	117	119	152	166	180	183	187	156	188	197	204	216	204	155	268	277	48
6	29	49	167	180	43	37	25	120	155	183	189	186	182	189	204	204	201	213	228	243	236	246	274	275
7	39	34	19	15	23	21	50	137	159	194	196	203	180	192	210	198	195	181	166	141	336	4	11	15
8	39	28	31	28	28	27	64	160	184	187	192	181	193	193	195	199	208	231	263	280	270	282	247	249
9	259	284	262	1	25	23	42	134	180	159	195	188	186	193	222	241	247	245	257	261	289	342	353	342
10	29	359	332	335	58	62	26	360	250	247	210	244	213	207	211	209	232	231	261	118	7	9	6	16
11	20	322	2	24	33	19	40	142	161	172	190	217	195	186	193	201	225	227	214	224	238	230	359	348
12	9	50	61	28	19	24	34	127	195	183	188	186	196	256	225	215	230	254	267	269	258	335	32	17
13	21	21	19	18	21	28	47	115	156	161	190	199	185	194	193	226	243	264	272	282	326	333	337	320
14	322	324	322	327	334	352	333	343	340	341	322	327	307	312	325	312	336	332	312	349	14	15	25	5
15	309	356	11	33	54	18	301	286	182	163	172	186	193	215	211	225	255	209	232	253	252	298	8	350
16	284	298	314	83	31	36	91	211	190	204	209	205	188	193	200	218	229	240	241	234	257	306	326	335
17	341	24	358	2	350	35	75	47	56	339	207	221	247	310	282	275	272	208	240	285	37	9	36	2
18	43	13	355	25	24	20	35	83	162	188	201	206	200	202	209	219	239	236	239	274	*	*	*	346
19	*	*	212	184	163	114	53	178	205	201	231	238	254	272	290	292	278	304	317	311	304	281	301	299
20	297	290	289	304	317	51	324	327	47	148	274	315	328	306	319	326	341	344	343	10	16	12	360	358
21	8	15	10	12	1	310	218	165	197	202	200	179	192	226	169	223	148	340	336	360	28	342	11	2
22	1	8	347	338	9	350	6	125	163	171	204	230	216	213	215	210	208	216	245	256	*	356	15	25
23	17	12	13	319	315	14	44	102	160	180	170	190	201	222	208	226	215	236	264	267	287	303	309	316
24	298	281	246	286	34	34	62	144	185	184	218	221	213	219	223	232	259	255	249	269	277	284	316	288
25	292	*	4	*	27	29	37	130	155	175	184	197	195	204	221	217	209	243	251	270	253	298	301	321
26	284	*	*	*	25	20	36	82	175	186	188	213	218	226	254	258	246	262	269	283	302	312	*	*
27	310	33	11	31	29	22	29	92	146	153	184	198	194	208	214	233	262	253	251	*	*	344	5	344
28	6	22	14	10	*	*	41	133	154	147	167	183	192	188	200	209	203	201	210	222	247	120	137	145
29	159	149	187	179	359	17	25	160	151	146	164	165	164	173	206	209	232	166	105	125	39	38	22	149
30	154	174	353	40	43	24	113	170	172	180	213	217	243	250	241	254	256	270	278	322	334	353	359	9

* = Calm

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
June 2011

Hourly Sigma Theta (degrees)

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	Min	Mean
1	6	8	7	12	17	8	34	15	10	14	17	17	17	16	13	12	11	9	8	7	7	7	7	7	34	6	12
2	8	7	7	7	11	11	7	9	10	13	14	16	22	18	16	17	11	14	8	8	12	7	10	33	33	7	12
3	12	9	15	7	20	6	9	16	19	34	21	17	20	19	17	22	22	21	58	5	4	17	8	4	58	4	17
4	5	46	4	6	5	5	10	19	21	24	21	16	25	21	17	14	14	12	9	6	7	10	7	10	46	4	14
5	15	5	6	6	3	4	11	13	15	17	21	21	22	24	35	34	13	15	10	6	43	18	6	47	47	3	17
6	6	39	43	24	12	6	11	27	14	13	13	10	11	12	10	11	11	9	13	9	8	11	6	14	43	6	14
7	15	6	5	5	13	5	19	22	21	23	24	31	34	25	27	33	26	23	22	26	20	4	8	5	34	4	18
8	50	7	6	5	7	6	14	19	13	13	18	21	22	22	20	12	15	12	11	10	7	22	8	7	50	5	14
9	5	19	8	20	5	7	15	22	21	31	38	32	27	27	19	19	18	15	12	7	4	6	8	22	38	4	17
10	9	22	9	17	42	19	14	45	65	60	54	63	53	51	42	37	24	52	31	18	9	5	6	4	65	4	31
11	28	11	10	42	5	6	14	20	13	18	23	27	23	20	20	16	15	14	16	7	5	29	66	43	66	5	20
12	18	11	21	8	8	6	11	24	21	20	21	25	20	45	30	11	11	11	9	9	44	19	8	5	45	5	17
13	7	4	6	6	6	6	13	14	17	16	23	26	18	24	23	22	24	18	10	7	5	3	3	9	26	3	13
14	7	7	7	6	5	9	8	13	21	21	26	35	38	44	23	31	26	21	29	22	10	27	14	7	44	5	19
15	20	10	23	12	34	16	21	26	41	25	22	24	32	45	41	46	32	54	12	8	8	13	9	26	54	8	25
16	61	9	50	29	13	10	38	10	15	11	22	18	14	14	12	14	13	12	11	15	14	12	9	16	61	9	18
17	24	22	14	14	22	23	53	45	34	53	35	23	29	18	10	10	18	15	14	7	20	10	7	19	53	7	22
18	19	9	6	11	4	4	9	25	19	22	17	27	27	28	30	19	23	12	14	8	*	*	*	19	30	4	15
19	*	*	7	6	7	30	23	20	11	15	14	14	16	16	15	11	10	10	10	9	8	6	10	7	30	6	11
20	23	10	7	6	53	65	9	12	40	34	46	33	27	22	37	37	19	17	17	7	5	4	13	13	65	4	23
21	8	12	10	15	7	28	25	16	34	48	64	47	39	41	76	48	31	33	9	10	9	7	19	9	76	7	27
22	20	26	12	9	7	6	11	27	17	27	38	57	35	36	35	25	28	16	11	7	*	17	11	5	57	5	20
23	6	5	6	33	39	7	13	13	20	21	20	25	24	32	20	19	23	13	11	8	5	4	4	5	39	4	16
24	8	9	7	51	7	8	16	16	10	13	20	32	19	20	21	16	13	13	11	8	5	11	6	6	51	5	14
25	25	*	29	*	8	4	11	35	19	22	32	27	23	17	21	21	13	17	12	6	5	33	45	22	45	4	19
26	46	*	*	*	8	12	9	27	16	15	23	30	20	23	17	14	13	12	10	8	10	18	*	*	46	8	14
27	50	8	11	8	6	4	8	19	20	27	24	34	32	22	27	22	21	19	17	*	*	4	4	6	50	4	16
28	7	4	3	4	*	*	9	16	15	18	25	20	23	19	16	13	26	15	10	9	31	9	15	13	31	3	13
29	13	12	11	23	52	23	16	29	18	15	24	20	18	17	14	11	10	23	29	35	30	18	21	20	52	10	21
30	16	7	37	17	8	13	19	11	11	12	10	11	15	11	15	15	13	13	14	7	7	9	6	6	37	6	13

Maximum hourly value= 76 degrees
Minimum hourly value = 3 degrees
Average hourly value = 18 degrees

* = Calm

DENISON MINES (USA) CORPORATION
White Mesa Mill (Blanding, UT) Meteorological Site
June 2011

Hourly Stability Class

DAY/HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	E	D	E	D	E	D	A	C	D	C	C	C	D	D	D	D	D	D	D	D	D	D	D	D
2	D	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	F
3	D	D	E	E	D	D	D	C	B	A	C	C	D	C	D	C	C	B	A	E	E	D	D	E
4	E	F	E	E	E	D	D	B	B	B	C	D	C	D	D	D	D	D	D	E	E	D	E	D
5	E	E	E	E	E	D	D	C	C	C	B	C	C	C	C	B	D	D	D	E	F	E	E	F
6	E	F	F	F	D	D	D	A	C	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E
7	E	E	E	E	E	D	B	B	B	B	C	B	B	C	C	C	B	B	B	F	E	E	D	E
8	E	E	E	E	E	D	C	B	C	C	C	C	C	D	D	D	D	D	D	D	E	F	D	E
9	E	F	D	E	E	D	C	B	B	B	B	C	C	D	D	D	D	D	D	E	E	E	D	D
10	D	E	D	D	F	B	C	A	A	A	A	A	B	B	C	B	C	A	A	F	D	E	E	E
11	D	D	D	F	E	D	C	B	C	C	C	C	D	D	D	D	D	C	C	E	E	F	F	F
12	F	D	F	D	D	D	D	A	B	C	C	C	D	B	C	D	D	D	D	D	F	F	D	E
13	E	E	E	E	E	D	C	C	C	C	C	C	D	C	D	D	D	D	D	D	E	E	E	D
14	D	D	D	E	D	D	D	C	C	C	C	C	C	C	C	C	C	B	A	E	D	F	E	E
15	F	D	E	D	F	C	B	A	A	A	B	C	C	B	B	B	C	B	D	D	D	E	D	E
16	F	D	F	F	E	D	A	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
17	E	D	D	D	E	A	A	A	A	A	A	A	A	B	D	D	B	C	C	E	F	D	E	E
18	F	D	E	D	E	D	D	A	B	B	C	C	A	A	A	B	A	D	C	D	*	*	*	F
19	*	*	E	E	E	A	A	C	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	E
20	F	D	E	E	F	A	D	D	A	A	A	C	C	B	A	A	B	C	C	E	E	F	E	D
21	D	D	D	D	E	A	A	C	A	A	A	B	A	A	A	A	A	A	D	D	D	E	E	D
22	E	F	D	D	E	D	D	A	C	A	A	A	A	B	A	A	A	C	D	E	*	E	D	E
23	E	E	E	F	F	D	C	C	B	B	B	A	A	A	C	C	C	D	D	D	E	E	E	E
24	D	D	E	F	E	D	C	C	D	C	C	A	B	D	D	D	D	D	D	D	E	D	E	E
25	F	*	F	*	D	D	D	A	B	B	A	A	A	D	D	B	D	C	D	E	E	F	F	F
26	F	*	*	*	D	D	D	A	C	C	A	C	C	D	D	D	D	D	D	D	D	F	*	*
27	F	D	D	D	E	D	D	B	B	A	A	B	B	C	C	B	B	B	C	*	*	E	E	E
28	E	F	F	E	*	*	D	C	C	B	A	B	C	D	D	C	C	C	D	D	F	D	D	D
29	D	D	D	F	F	A	C	A	B	C	C	C	D	D	D	D	D	C	C	F	F	F	F	F
30	E	E	F	E	D	C	B	D	D	D	D	D	C	D	C	C	C	C	C	E	E	D	E	E

* = Calm

Appendix C

Joint Frequency Distribution
Of Wind Speed by Wind Direction
By Hour of Day

January – June 2011

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 00-04

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0047	.0129	.0053	.0007	.0000	.0000	0.024	2.8
NNE	.0032	.0233	.0106	.0000	.0000	.0000	0.037	2.9
NE	.0036	.0115	.0007	.0000	.0000	.0000	0.016	2.2
ENE	.0037	.0016	.0000	.0000	.0000	.0000	0.005	1.6
E	.0023	.0012	.0000	.0000	.0000	.0000	0.003	1.7
ESE	.0009	.0007	.0002	.0000	.0000	.0000	0.002	1.9
SE	.0007	.0025	.0002	.0000	.0000	.0000	0.003	2.4
SSE	.0021	.0025	.0012	.0005	.0000	.0000	0.006	2.8
S	.0012	.0014	.0032	.0028	.0002	.0000	0.009	4.5
SSW	.0014	.0023	.0012	.0016	.0000	.0000	0.006	3.7
SW	.0007	.0025	.0025	.0002	.0000	.0000	0.006	3.3
WSW	.0005	.0016	.0012	.0009	.0002	.0000	0.004	4.0
W	.0005	.0023	.0018	.0007	.0000	.0000	0.005	3.7
WNW	.0021	.0030	.0021	.0000	.0000	.0000	0.007	2.6
NW	.0026	.0046	.0062	.0021	.0002	.0000	0.016	3.7
NNW	.0023	.0032	.0064	.0025	.0007	.0000	0.015	4.1
TOT:	0.033	0.077	0.043	0.012	0.001	0.000	0.166	
*****	*****							
AVG:	1.3	2.6	4.1	6.7	9.1	0.0		3.1

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 724
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 04-08

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0047	.0074	.0039	.0002	.0000	.0000	0.016	2.6
NNE	.0058	.0260	.0074	.0000	.0000	.0000	0.039	2.7
NE	.0068	.0154	.0007	.0000	.0000	.0000	0.023	2.1
ENE	.0051	.0035	.0000	.0000	.0000	.0000	0.009	1.7
E	.0030	.0028	.0000	.0000	.0000	.0000	0.006	1.8
ESE	.0016	.0028	.0002	.0000	.0000	.0000	0.005	2.2
SE	.0028	.0035	.0002	.0002	.0000	.0000	0.007	2.2
SSE	.0019	.0021	.0021	.0007	.0000	.0000	0.007	3.1
S	.0021	.0016	.0039	.0018	.0018	.0007	0.012	5.2
SSW	.0002	.0012	.0014	.0005	.0000	.0000	0.003	3.8
SW	.0002	.0012	.0009	.0005	.0002	.0000	0.003	4.0
WSW	.0009	.0002	.0007	.0005	.0000	.0000	0.002	3.2
W	.0014	.0007	.0005	.0009	.0000	.0000	0.003	3.4
WNW	.0021	.0009	.0018	.0005	.0000	.0000	0.005	3.1
NW	.0019	.0044	.0023	.0021	.0002	.0000	0.011	3.6
NNW	.0042	.0046	.0055	.0018	.0000	.0000	0.016	3.4
TOT:	0.045	0.078	0.032	0.010	0.002	0.001	0.167	
*****	*****							
AVG:	1.3	2.5	4.3	6.5	9.5	11.4		2.9

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 724
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 08-12

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0007	.0007	.0014	.0000	.0000	.0000	0.003	3.0
NNE	.0030	.0012	.0005	.0005	.0000	.0000	0.005	2.4
NE	.0019	.0012	.0005	.0007	.0000	.0000	0.004	2.9
ENE	.0019	.0018	.0002	.0005	.0000	.0000	0.004	2.5
E	.0016	.0021	.0002	.0000	.0000	.0000	0.004	1.9
ESE	.0007	.0032	.0005	.0000	.0000	.0000	0.004	2.3
SE	.0024	.0067	.0018	.0002	.0000	.0000	0.011	2.7
SSE	.0040	.0111	.0069	.0016	.0000	.0000	0.024	3.1
S	.0057	.0115	.0129	.0060	.0021	.0014	0.040	4.4
SSW	.0038	.0101	.0113	.0044	.0016	.0009	0.032	4.3
SW	.0023	.0032	.0028	.0023	.0007	.0002	0.012	4.3
WSW	.0014	.0025	.0005	.0012	.0002	.0002	0.006	4.0
W	.0005	.0009	.0005	.0000	.0002	.0000	0.002	3.6
WNW	.0007	.0005	.0007	.0000	.0000	.0000	0.002	2.7
NW	.0012	.0009	.0016	.0025	.0028	.0002	0.009	6.3
NNW	.0005	.0007	.0016	.0012	.0007	.0005	0.005	5.8
TOT:	0.032	0.058	0.044	0.021	0.008	0.003	0.167	
AVG:	1.3	2.6	4.4	6.7	9.6	12.4		3.9

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 722
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 12-16

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0007	.0002	.0007	.0005	.0002	.0000	0.002	4.1
NNE	.0002	.0005	.0002	.0000	.0002	.0000	0.001	4.3
NE	.0002	.0000	.0000	.0005	.0000	.0000	0.001	4.4
ENE	.0000	.0002	.0014	.0002	.0000	.0000	0.002	4.6
E	.0000	.0002	.0002	.0002	.0000	.0000	0.001	4.7
ESE	.0009	.0002	.0000	.0000	.0000	.0000	0.001	1.8
SE	.0009	.0014	.0005	.0000	.0000	.0000	0.003	2.4
SSE	.0005	.0025	.0016	.0012	.0000	.0000	0.006	3.7
S	.0014	.0064	.0074	.0046	.0009	.0007	0.021	4.7
SSW	.0057	.0134	.0147	.0117	.0041	.0025	0.052	5.0
SW	.0038	.0083	.0085	.0104	.0044	.0007	0.036	5.0
WSW	.0021	.0014	.0016	.0053	.0030	.0012	0.015	6.2
W	.0002	.0005	.0007	.0028	.0012	.0000	0.005	6.3
WNW	.0002	.0005	.0021	.0009	.0002	.0005	0.004	5.6
NW	.0012	.0007	.0014	.0028	.0025	.0012	0.010	7.0
NNW	.0000	.0002	.0016	.0025	.0028	.0000	0.007	7.3
TOT:	0.018	0.037	0.043	0.044	0.020	0.007	0.167	
*****	*****							
AVG:	1.3	2.6	4.3	6.9	9.5	12.5		5.2

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 724
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 16-20

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0- 1.8	1.8- 3.3	3.3- 5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0019	.0025	.0016	.0005	.0002	.0000	0.007	3.1
NNE	.0021	.0062	.0002	.0005	.0002	.0000	0.009	2.7
NE	.0019	.0023	.0007	.0005	.0002	.0000	0.006	2.9
ENE	.0009	.0014	.0000	.0000	.0000	.0000	0.002	1.7
E	.0009	.0009	.0002	.0000	.0000	.0000	0.002	2.2
ESE	.0012	.0002	.0002	.0000	.0000	.0000	0.002	1.8
SE	.0012	.0012	.0005	.0000	.0000	.0000	0.003	2.4
SSE	.0023	.0030	.0009	.0007	.0000	.0000	0.007	2.7
S	.0019	.0023	.0035	.0002	.0002	.0000	0.008	3.4
SSW	.0024	.0048	.0037	.0046	.0032	.0021	0.021	5.8
SW	.0021	.0035	.0051	.0058	.0032	.0005	0.020	5.4
WSW	.0042	.0028	.0058	.0090	.0021	.0000	0.024	5.1
W	.0026	.0041	.0046	.0058	.0005	.0005	0.018	4.6
WNW	.0014	.0009	.0025	.0016	.0005	.0000	0.007	4.5
NW	.0019	.0016	.0044	.0044	.0030	.0012	0.016	6.0
NNW	.0021	.0028	.0062	.0035	.0009	.0002	0.016	4.4
TOT:	0.031	0.041	0.040	0.037	0.014	0.004	0.167	
*****	*****							
AVG:	1.2	2.6	4.3	6.8	9.5	12.3		4.5

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 724
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
HOUR OF THE DAY 20-24

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0043	.0122	.0152	.0007	.0000	.0000	0.032	3.2
NNE	.0039	.0207	.0090	.0000	.0000	.0000	0.034	2.8
NE	.0026	.0053	.0007	.0000	.0000	.0000	0.009	2.4
ENE	.0009	.0007	.0000	.0000	.0000	.0000	0.002	1.8
E	.0007	.0005	.0000	.0000	.0000	.0000	0.001	1.8
ESE	.0002	.0000	.0000	.0002	.0000	.0000	0.000	3.7
SE	.0009	.0014	.0007	.0000	.0000	.0000	0.003	2.6
SSE	.0014	.0012	.0002	.0002	.0000	.0000	0.003	2.3
S	.0007	.0014	.0005	.0009	.0002	.0000	0.004	4.1
SSW	.0005	.0014	.0012	.0048	.0016	.0002	0.010	6.2
SW	.0005	.0018	.0025	.0005	.0002	.0005	0.006	4.6
WSW	.0005	.0037	.0035	.0021	.0000	.0000	0.010	3.9
W	.0010	.0037	.0023	.0000	.0002	.0000	0.007	3.3
WNW	.0019	.0028	.0028	.0005	.0000	.0000	0.008	3.2
NW	.0014	.0048	.0067	.0023	.0016	.0007	0.018	4.8
NNW	.0035	.0048	.0081	.0039	.0000	.0000	0.020	3.8
TOT:	0.025	0.066	0.053	0.016	0.004	0.001	0.166	
*****	*****							
AVG:	1.3	2.6	4.1	6.8	9.3	11.8		3.6

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 724
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

Appendix D

Joint Frequency Distribution
Of Wind Speed by Wind Direction
By Stability Class

January – June 2011

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS A

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0019	.0009	.0000	.0000	.0000	.0000	0.003	1.7
NNE	.0035	.0005	.0000	.0000	.0000	.0000	0.004	1.5
NE	.0033	.0009	.0000	.0000	.0000	.0000	0.004	1.6
ENE	.0026	.0007	.0000	.0000	.0000	.0000	0.003	1.4
E	.0026	.0014	.0000	.0000	.0000	.0000	0.004	1.6
ESE	.0028	.0018	.0000	.0000	.0000	.0000	0.005	1.8
SE	.0037	.0046	.0000	.0000	.0000	.0000	0.008	1.9
SSE	.0047	.0083	.0000	.0000	.0000	.0000	0.013	2.1
S	.0056	.0069	.0000	.0000	.0000	.0000	0.013	1.9
SSW	.0070	.0094	.0000	.0000	.0000	.0000	0.016	2.0
SW	.0047	.0048	.0000	.0000	.0000	.0000	0.010	1.8
WSW	.0030	.0035	.0000	.0000	.0000	.0000	0.006	1.9
W	.0009	.0018	.0000	.0000	.0000	.0000	0.003	1.9
WNW	.0019	.0007	.0000	.0000	.0000	.0000	0.003	1.7
NW	.0030	.0018	.0000	.0000	.0000	.0000	0.005	1.7
NNW	.0023	.0014	.0000	.0000	.0000	.0000	0.004	1.6
TOT:	0.053	0.050	0.000	0.000	0.000	0.000	0.103	
AVG:	1.3	2.4	0.0	0.0	0.0	0.0		1.8

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 444
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS B

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0002	.0012	.0012	.0000	.0000	.0000	0.003	3.0
NNE	.0009	.0012	.0000	.0000	.0000	.0000	0.002	2.1
NE	.0019	.0005	.0000	.0000	.0000	.0000	0.002	1.6
ENE	.0007	.0007	.0000	.0000	.0000	.0000	0.001	1.8
E	.0007	.0009	.0002	.0000	.0000	.0000	0.002	2.5
ESE	.0002	.0014	.0000	.0000	.0000	.0000	0.002	2.4
SE	.0007	.0048	.0009	.0000	.0000	.0000	0.006	2.7
SSE	.0014	.0058	.0032	.0000	.0000	.0000	0.010	2.9
S	.0015	.0092	.0048	.0000	.0000	.0000	0.016	2.9
SSW	.0019	.0081	.0064	.0000	.0000	.0000	0.016	3.0
SW	.0012	.0044	.0037	.0000	.0000	.0000	0.009	3.0
WSW	.0007	.0002	.0009	.0000	.0000	.0000	0.002	2.6
W	.0009	.0005	.0002	.0000	.0000	.0000	0.002	2.1
WNW	.0005	.0002	.0007	.0000	.0000	.0000	0.001	2.7
NW	.0007	.0007	.0009	.0000	.0000	.0000	0.002	2.6
NNW	.0007	.0007	.0012	.0000	.0000	.0000	0.003	2.8
TOT:	0.015	0.040	0.024	0.000	0.000	0.000	0.080	
AVG:	1.3	2.8	3.6	0.0	0.0	0.0		2.8

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 344
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS C

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0002	.0002	.0012	.0002	.0000	.0000	0.002	4.1
NNE	.0005	.0023	.0007	.0002	.0000	.0000	0.004	3.1
NE	.0012	.0018	.0002	.0002	.0000	.0000	0.003	2.5
ENE	.0009	.0018	.0014	.0000	.0000	.0000	0.004	3.0
E	.0005	.0016	.0002	.0000	.0000	.0000	0.002	2.3
ESE	.0000	.0025	.0009	.0000	.0000	.0000	0.003	2.8
SE	.0007	.0021	.0012	.0000	.0000	.0000	0.004	3.0
SSE	.0005	.0018	.0060	.0007	.0000	.0000	0.009	3.9
S	.0014	.0030	.0168	.0023	.0000	.0000	0.024	4.2
SSW	.0019	.0046	.0191	.0037	.0000	.0000	0.029	4.2
SW	.0007	.0014	.0090	.0028	.0000	.0000	0.014	4.4
WSW	.0023	.0005	.0025	.0014	.0000	.0000	0.007	3.5
W	.0007	.0007	.0016	.0005	.0000	.0000	0.003	3.3
WNW	.0002	.0002	.0035	.0005	.0000	.0000	0.004	4.3
NW	.0005	.0007	.0030	.0007	.0000	.0000	0.005	4.3
NNW	.0005	.0005	.0041	.0007	.0000	.0000	0.006	4.4
TOT:	0.013	0.026	0.071	0.014	0.000	0.000	0.124	
AVG:	1.2	2.5	4.6	5.7	0.0	0.0		3.9

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 537
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS D

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0022	.0143	.0131	.0023	.0005	.0000	0.032	3.5
NNE	.0037	.0306	.0060	.0007	.0005	.0000	0.041	2.8
NE	.0041	.0168	.0016	.0014	.0002	.0000	0.024	2.7
ENE	.0010	.0032	.0002	.0007	.0000	.0000	0.005	2.8
E	.0002	.0014	.0002	.0002	.0000	.0000	0.002	2.7
ESE	.0000	.0005	.0002	.0002	.0000	.0000	0.001	3.6
SE	.0005	.0035	.0018	.0005	.0000	.0000	0.006	3.1
SSE	.0003	.0032	.0037	.0041	.0000	.0000	0.011	4.6
S	.0016	.0030	.0081	.0140	.0055	.0028	0.035	6.7
SSW	.0008	.0081	.0062	.0240	.0106	.0058	0.055	7.1
SW	.0005	.0062	.0060	.0168	.0088	.0018	0.040	6.6
WSW	.0012	.0035	.0074	.0175	.0055	.0014	0.036	6.4
W	.0014	.0039	.0053	.0097	.0021	.0005	0.023	5.6
WNW	.0012	.0025	.0058	.0030	.0007	.0005	0.014	4.9
NW	.0005	.0053	.0113	.0154	.0104	.0032	0.046	6.7
NNW	.0012	.0046	.0166	.0147	.0051	.0007	0.043	5.6
TOT:	0.020	0.111	0.094	0.125	0.050	0.017	0.416	
AVG:	1.3	2.6	4.3	6.9	9.5	12.3		5.4

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 1807
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS E

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0031	.0134	.0127	.0000	.0000	.0000	0.029	3.1
NNE	.0042	.0380	.0212	.0000	.0000	.0000	0.063	3.0
NE	.0008	.0106	.0014	.0000	.0000	.0000	0.013	2.6
ENE	.0014	.0012	.0000	.0000	.0000	.0000	0.003	1.8
E	.0007	.0005	.0000	.0000	.0000	.0000	0.001	1.9
ESE	.0002	.0005	.0000	.0000	.0000	.0000	0.001	1.9
SE	.0007	.0012	.0000	.0000	.0000	.0000	0.002	2.3
SSE	.0009	.0021	.0000	.0000	.0000	.0000	0.003	2.1
S	.0007	.0009	.0016	.0000	.0000	.0000	0.003	3.0
SSW	.0007	.0016	.0016	.0000	.0000	.0000	0.004	3.2
SW	.0007	.0028	.0037	.0000	.0000	.0000	0.007	3.3
WSW	.0007	.0028	.0023	.0000	.0000	.0000	0.006	3.0
W	.0007	.0041	.0032	.0000	.0000	.0000	0.008	3.1
WNW	.0012	.0025	.0021	.0000	.0000	.0000	0.006	2.9
NW	.0007	.0048	.0074	.0000	.0000	.0000	0.013	3.5
NNW	.0024	.0048	.0076	.0000	.0000	.0000	0.015	3.2
TOT:	0.020	0.092	0.065	0.000	0.000	0.000	0.176	
AVG:	1.2	2.7	4.0	0.0	0.0	0.0		3.0

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 768
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2

10 METER WIND DATA ANALYSIS

FROM 1/ 1/2011 THROUGH 6/30/2011

WHITE MESA MILL METEOROLOGICAL STATION

FREQUENCY OF OCCURRENCE OF WIND SPEED BY DIRECTION
STABILITY CLASS F

	+----------WIND SPEED CLASSES (M/S)----------+							
DIR	0.0-1.8	1.8-3.3	3.3-5.4	5.4 8.4	8.4 11.0	> 11.0	TOTAL	AVERAGE WIND SPEED
N	.0093	.0060	.0000	.0000	.0000	.0000	0.015	1.8
NNE	.0054	.0053	.0000	.0000	.0000	.0000	0.011	1.8
NE	.0058	.0051	.0000	.0000	.0000	.0000	0.011	1.8
ENE	.0060	.0016	.0000	.0000	.0000	.0000	0.008	1.4
E	.0040	.0018	.0000	.0000	.0000	.0000	0.006	1.6
ESE	.0023	.0005	.0000	.0000	.0000	.0000	0.003	1.4
SE	.0026	.0005	.0000	.0000	.0000	.0000	0.003	1.6
SSE	.0044	.0012	.0000	.0000	.0000	.0000	0.006	1.6
S	.0021	.0016	.0000	.0000	.0000	.0000	0.004	1.6
SSW	.0016	.0014	.0000	.0000	.0000	.0000	0.003	1.7
SW	.0019	.0009	.0000	.0000	.0000	.0000	0.003	1.7
WSW	.0016	.0018	.0000	.0000	.0000	.0000	0.003	1.9
W	.0014	.0012	.0000	.0000	.0000	.0000	0.003	1.9
WNW	.0035	.0023	.0000	.0000	.0000	.0000	0.006	1.7
NW	.0047	.0037	.0000	.0000	.0000	.0000	0.008	1.7
NNW	.0056	.0044	.0000	.0000	.0000	.0000	0.010	1.7
TOT:	0.062	0.039	0.000	0.000	0.000	0.000	0.101	
AVG:	1.3	2.3	0.0	0.0	0.0	0.0		1.7

TOTAL NUMBER OF VALID READINGS FOR THIS TABLE => 442
OUT OF 4342 TOTAL VALID HOURS
TOTAL NUMBER OF MISSING HOURS => 2