



September 8, 2008

Mr. Shawn Thurber
Lafarge Canada Inc.
10511, 15th St. S.E.
Calgary, Alberta
T2H 2H5

Re: **Noise Monitoring for Lafarge – Stoney Trail #1**

Dear Mr. Thurber;

Attached are results of the monitoring for the period August 1 - 31, 2008 for noise and TSP and PM2.5 particulate. A B&K model 2236 meter was used for noise, and the Aerometrics Minivol model for particulate. Winds were measured with a R.M. Young Model 5103 anemometer. Precipitation was recorded with a Texas Instruments model TE25M rain gauge.

Data collection was 100% for all parameters during the monitoring period.

There was one exceedance of the city of Calgary noise bylaw.

There were no exceedances of the Alberta Air Quality Objectives for TSP or PM2.5 particulate.

Please call if there are any questions regarding the results.

Yours truly,

PROMET ENVIRONMENTAL GROUP LTD.

A handwritten signature in black ink, appearing to read "Bill Murray". The signature is fluid and cursive, with a long horizontal stroke at the end.

Dr. William (Bill) Murray
President

WM/kt
Enc.

PROMET

MONTHLY REPORT SUMMARY

Stoney Trail #1

Lafarge Canada Inc.

Name/Location

Company

August 2008

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Bylaw Limit for Industrial Area
Sound	100%	44	59 dB A	1
PM2.5	100%	7	9	0
TSP	100%	28	48	0
Wind	100%	12 km/h	34 km/h	-
Precipitation	100%	-	6	-
Trailer Temperature	100%	17	34	-

Sound level is analyzed only for wind speed less than 11 km/h and precipitation less than 3 mm/hour

COMMENTS:

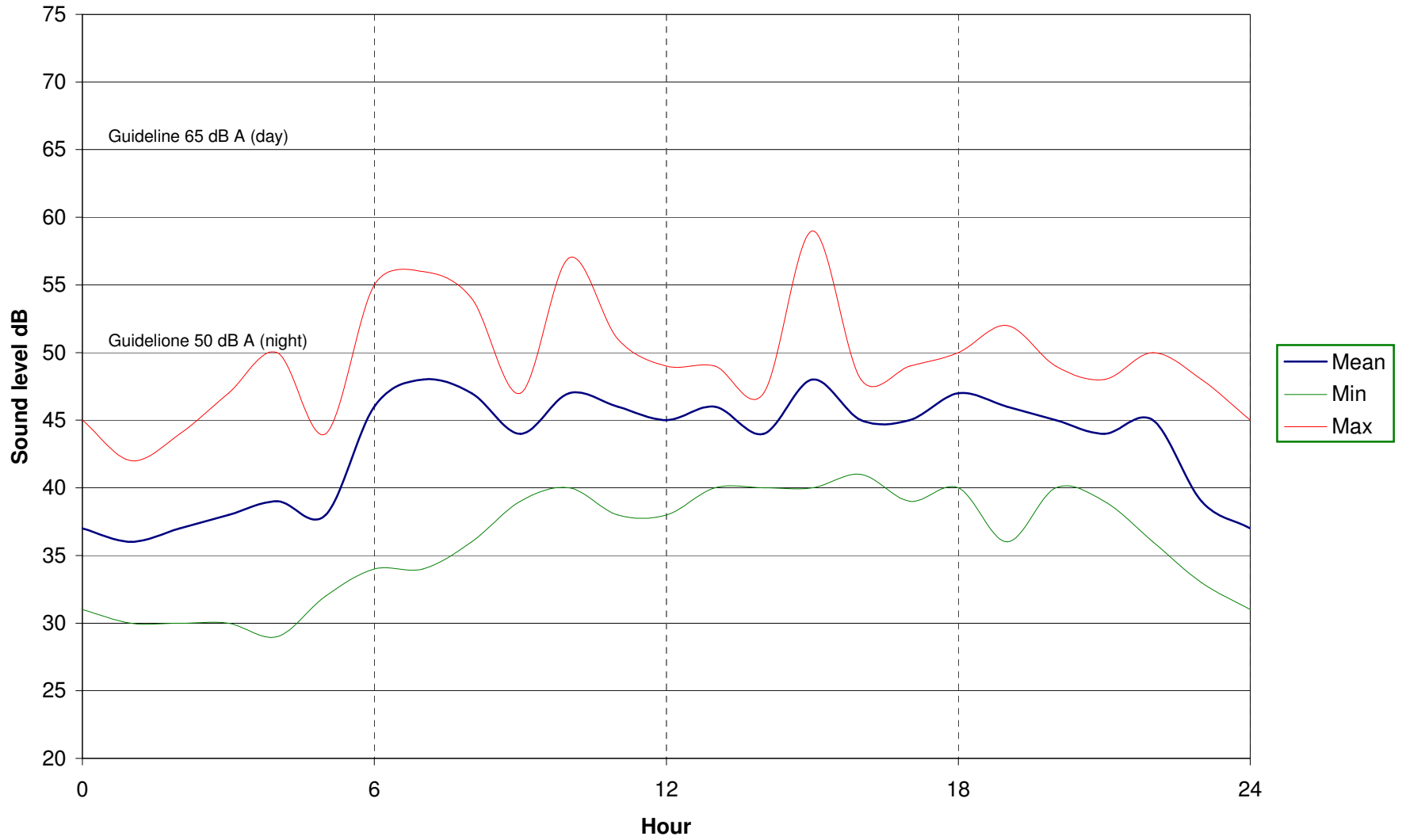
The regulation for residential areas is 65 dB A for day time or 50 dB A for night-time. Sound Level must exceed 5 dB A Leq over the Ambient Sound Level before it becomes an offence.

The PM2.5 Standard is 30 $\mu\text{g}/\text{m}^3$ for the day.

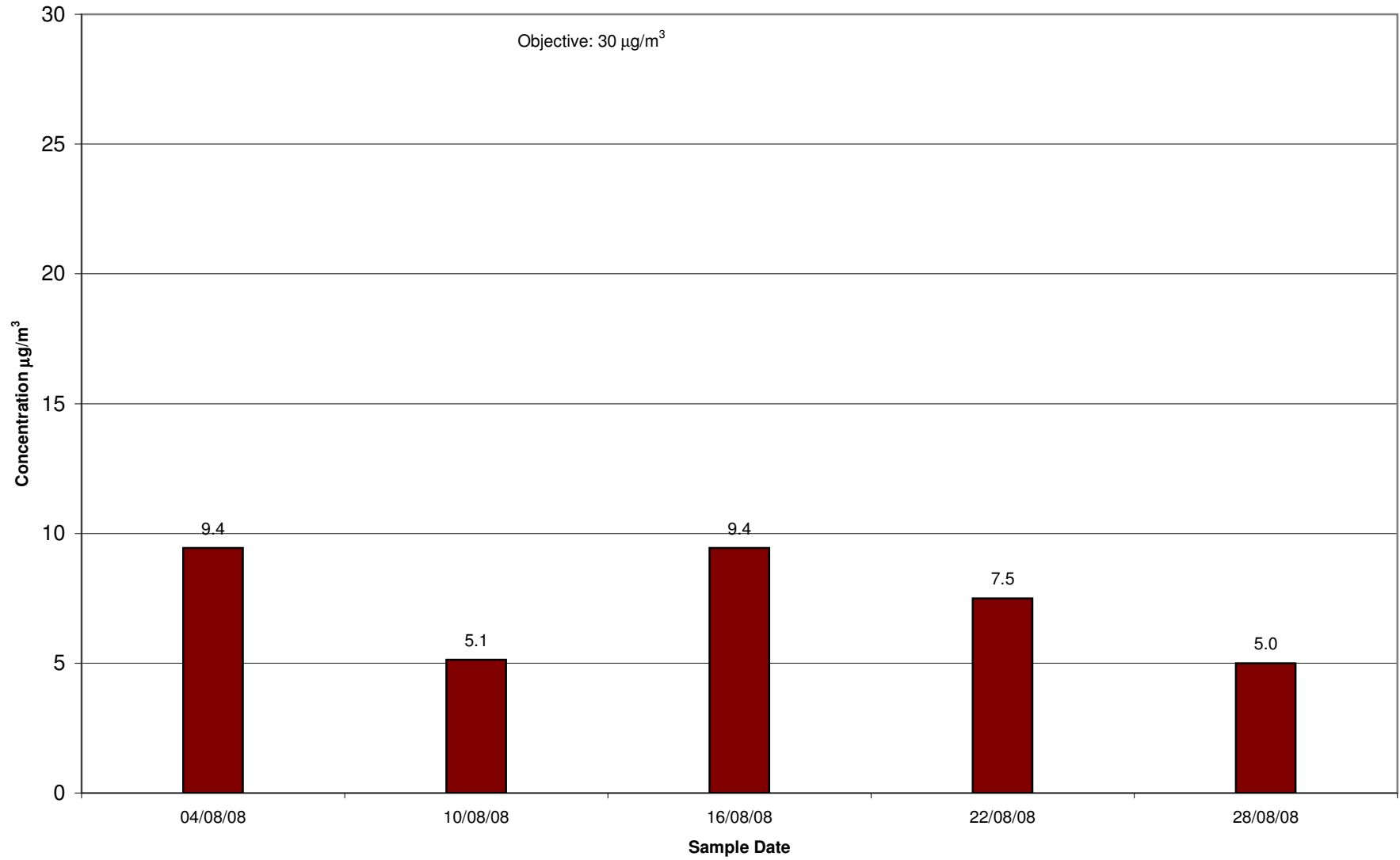
The TSP Objective is 100 $\mu\text{g}/\text{m}^3$ for the day.

One 24 hour sample of PM2.5 and TSP is taken every 6th day following the federal NAPS schedule.

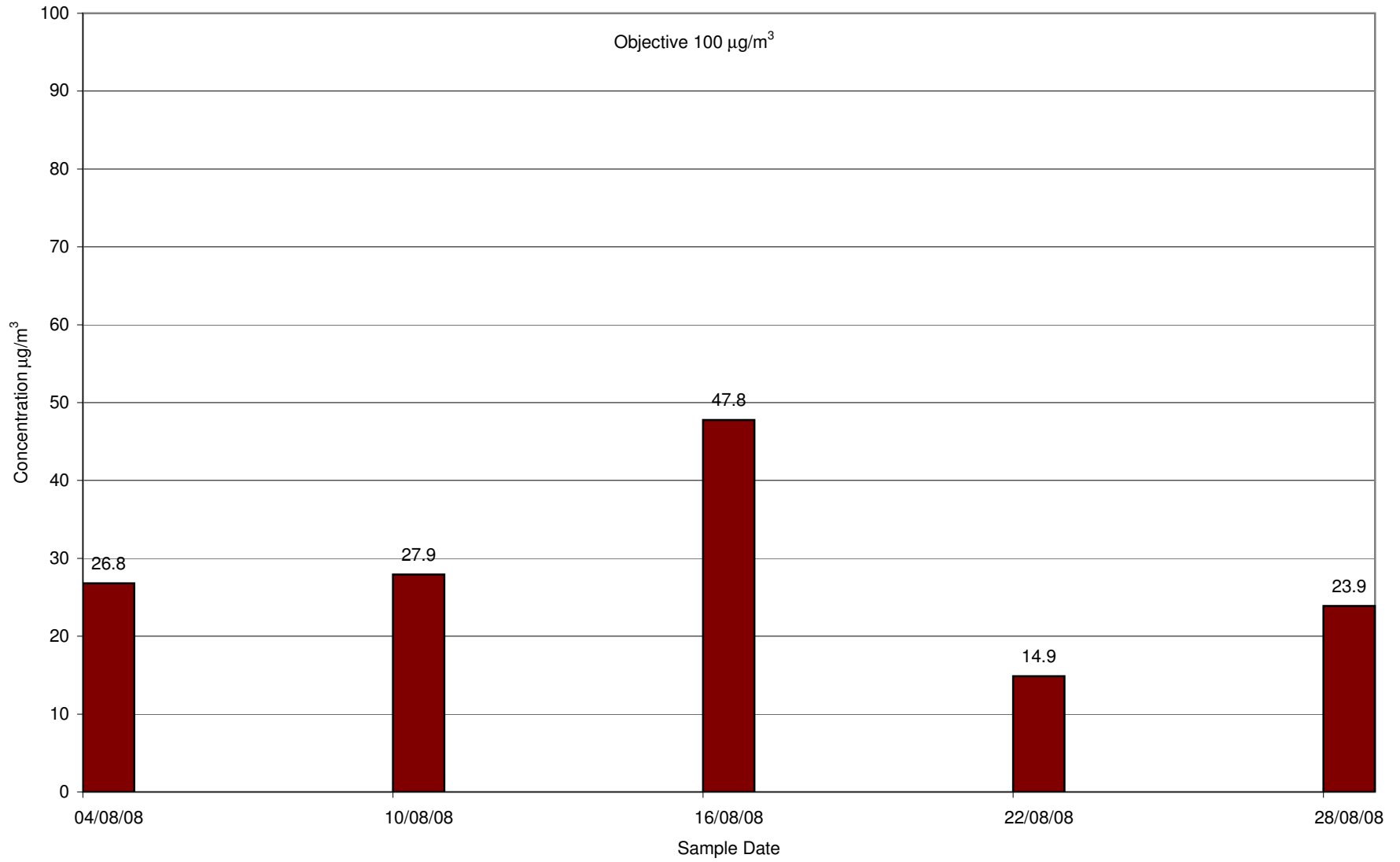
Sound Level by Hour of the Day



PM2.5 at Lafarge Stoney Trail #1 August 2008



TSP at Lafarge Stoney Trail #1, August 2008



ABSTRACT OF THE WIND
Lafarge Canada Inc.
Stoney Trail
STATION 620
AUG 2008

HOUR DAY	ALL TIMES ARE L.S.T.					SPEED [km/h]										ANEMOMETER HEIGHT 10 m										MEAN SPD	MAX VEL	PREV DIR	MISS OBS
	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	SW	WSW	WSW	W	NNW	WNW	WNW	W	WSW	SSW	SSW	SW	W	WNW	W	W	WSW	W	W	WSW	WSW	W	W	NW	17	34	W	0	
2	NW	NNE	SE	SSE	SSW	S	WSW	W	WNW	NNW	NNE	NNE	NNE	NNE	NNE	N	NE	NE	NE	NNE	NE	NNE	NNE	N	N		NNE	0	
3	W	W	NW	NW	W	W	WSW	WSW	WSW	W	WSW	WSW	N	NNW	NW	NNW	N	NNW	NNW	NW	W	W	W	W	W	W	W	W	0
4	W	W	W	W	W	W	W	W	W	W	W	W	W	NNW	NNW	SW	W	SSW	SSW	SSE	S	S	SSE	SSE	S	S		W	0
5	SSW	SW	W	NNW	N	NNW	NW	NW	NNW	NNW	N	NNE	NNE	NNE	NE	NNE	NE	NE	ENE	ENE	ESE	SSE	SSE	SSW			SVL	0	
6	WSW	SW	SSW	S	S	S	SSW	S	S	W	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	0
7	SSE	S	S	SSW	WSW	W	W	W	WSW	WSW	SW	S	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	NW		SSE	0	
8	WNW	NW	NW	WNW	NNW	NW	NW	NNW	NNW	N	N	NE	NE	NE	ENE	ENE	E	ESE	SE	ENE	N	NW	NW	NW			NW	0	
9	WNW	W	WNW	NW	WSW	SW	SSW	WSW	SSW	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	WSW	W	W	W	WSW	WSW			SSE	0	
10	WSW	SSW	SSW	SSW	WSW	W	W	WNW	W	W	W	WNW	WNW	WSW	W	W	W	WSW	SW	SW	WSW	W	W	W	W	W	W	W	0
11	W	W	W	W	WSW	W	WSW	W	W	W	W	NW	NNW	N	NW	ENE	NE	NE	NNE	NNW	NNW	NW	NW	NW			W	0	
12	NW	NNW	NNW	NW	NW	NW	WNW	WNW	WNW	NW	NNW	NNW	WNW	NNE	NNW	WSW	WNW	NE	NNE	NNE	NNE	N	W	W			SVL	0	
13	W	W	W	WNW	WNW	W	WNW	W	WNW	NW	N	N	N	NNW	N	N	NNE	NNE	NNE	N	W	WSW	W				SVL	0	
14	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NE	NE	ENE	ESE	S	S	SSW			NW	0		
15	SSW	SW	SW	SW	WSW	WSW	WSW	SW	SSW	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S		SSE	0	
16	S	SSW	SW	WSW	WNW	WNW	WNW	NNW	N	N	NNE	N	NNE	N	NNE	NNE	NNE	NNE	NE	ESE	E	ESE	SSW			NNE	0		
17	WSW	SW	S	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	N	ESE	SSE	S	0	
18	SW	SW	WSW	WSW	WSW	W	WSW	WSW	WSW	SW	SSW	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S		SSE	0	
19	WSW	WNW	N	NNW	NW	NNW	NNW	NNW	NNW	N	SW	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	NW	NW	NW	WNW	W	WNW		SSE	0	
20	NW	NW	NW	NNW	NW	W	SSW	SSW	S	S	SSW	SW	SSW	SSW	SW	WSW	W	WSW	WSW	WSW	W	W	W	WNW			SVL	0	
21	NNW	NNW	NNW	NNE	N	SW	WSW	W	W	NW	NW	NNW	NNW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			NNW	0
22	NNW	NNW	NNW	NNW	N	N	NNW	NNW	WNW	W	SW	SW	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	S			SSE	0	
23	S	SSW	WSW	W	WNW	WNW	WNW	WNW	W	SW	SSW	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW			SSE	0	
24	SSW	SSW	WSW	WSW	WSW	W	W	W	SW	SSW	S	S	S	SSW	S	S	SSE	SSE	SSE	SSW	SSW	SW	SW				SSW	0	
25	SW	WSW	SSW	S	SSW	SW	SW	WSW	W	W	NNE	ENE	ENE	ENE	E	ENE	NE	NNE	NNW	NNW	NNW	NNW	NNW	NNW			NNW	0	
26	NNW	N	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	WNW	W	WNW	WNW	W	S	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW			WSW	0	
27	SW	SSW	SW	SW	SW	WSW	WSW	WSW	W	WNW	WNW	WNW	NNW	NNW	N	NNE	NE	ENE	WNW	W	WSW	W	W				SW	0	
28	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	WSW	W	WSW	WSW			WSW	0
29	SW	SSW	SSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSE	SSE	S	SW	WSW	WSW	SW	SW	WSW	W	WSW	W	W				WSW	0	
30	NW	NNW	NNW	NNW	N	N	N	NNW	N	NNE	ENE	ESE	ESE	SE	SSE	SSE	ENE	NE	ENE	NNE	NNW	NNW	NNE	NNE			NNW	0	
31	NNE	N	N	NNW	NNW	NNW	NNW	NW	NNW	SSW	SSE	SE	ESE	NE	NE	ENE	NNE	NE	NNE	NE	NNW	N	NNW	NW			NNW	0	
MEAN	11	10	10	10	10	10	10	11	12	11	13	14	14	14	15	16	15	16	14	12	11	11	11	10	12	34	W	0	

NOTE: Missing data represented by M; no clear prevailing direction represented by SVL; calm winds represented by CALM
Date of Last Calibration 060221 Make and Model of Instrument: RM Young5103 WS UPTIME 100 % WD UPTIME 100 %

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Lafarge Canada Inc.

Stoney Trail

STATION 620

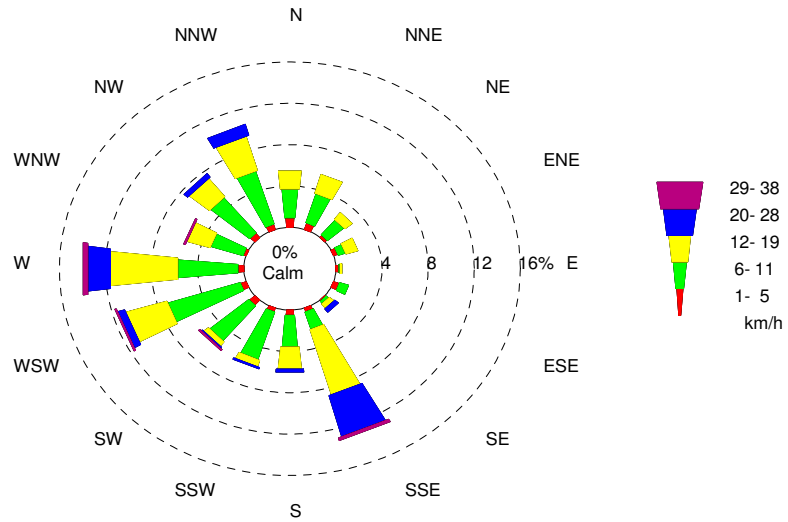
AUG 2008

SPEED [km/h]	WIND DIRECTION																TOTAL	PCT
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
< .5																	0	0
1- 5	7	5	2	3	2	4	1	3	4	3	5	4	4	2	4	4	57	8
6- 11	21	22	14	5	1	6	2	13	23	36	33	49	39	22	33	40	359	48
12- 19	13	14	6	8	1	0	4	49	16	5	4	28	44	16	17	26	251	34
20- 28	0	0	0	0	0	0	3	31	2	1	1	5	15	0	3	8	69	9
29- 38	0	0	0	0	0	0	0	2	0	0	1	1	3	1	0	0	8	1
TOTAL	41	41	22	16	4	10	10	98	45	45	44	87	105	41	57	78	744	100
PERCENT	6	6	3	2	1	1	1	13	6	6	6	12	14	6	8	10		
AVERAGE	10	11	10	11	9	6	15	17	11	9	10	12	14	11	11	12	12	

3 SEP 2008 1454

Wind rose for AUG 2008
Stoney Trail

Bar length is proportional to frequency of winds from its direction



TRAILER TEMPERATURE

Lafarge Canada Inc.

Stoney Trail

STATION 620

AUG 2008

Day	Hour																								Avg
	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	10	10	10	9	9	9	12	16	19	22	23	24	24	24	23	22	22	22	20	18	16	14	12	11	17
2	11	10	10	9	8	7	9	13	17	19	21	22	23	23	24	23	19	21	21	19	16	12	11	11	16
3	11	11	11	10	10	10	10	10	11	12	16	19	21	21	22	19	17	18	16	15	14	11	10	10	14
4	10	10	10	10	9	9	10	13	17	20	23	24	26	27	28	28	28	27	26	23	20	17	16	15	19
5	13	12	11	12	12	11	12	15	18	21	23	24	25	26	27	27	27	27	25	23	19	16	14	12	19
6	11	11	10	10	10	9	11	15	18	23	24	24	26	27	27	28	28	28	27	25	22	21	20	18	20
7	18	17	16	15	15	15	16	17	20	21	24	27	30	31	32	32	32	31	30	27	24	21	19	17	23
8	16	16	16	16	16	16	17	20	23	26	27	28	29	30	31	32	32	32	30	25	22	21	19	17	23
9	16	15	14	13	14	14	14	16	21	23	25	26	28	30	31	30	30	29	26	21	19	17	16	14	21
10	13	13	12	11	11	11	12	13	15	16	17	19	20	22	21	19	18	17	17	15	14	13	12	12	15
11	11	11	10	10	9	9	10	12	15	17	19	19	20	21	21	20	22	22	19	16	14	12	12	12	15
12	12	12	12	11	10	10	10	12	15	17	19	21	23	25	26	27	27	27	25	22	18	14	13	12	17
13	12	11	11	11	11	10	11	12	14	17	21	23	23	23	26	27	28	27	25	23	20	16	15	14	18
14	13	12	12	11	11	11	13	16	20	23	25	26	27	28	29	29	30	30	28	25	21	17	15	14	20
15	13	13	12	12	12	12	14	18	22	24	26	27	29	30	31	31	31	30	29	26	24	22	21	20	22
16	19	18	17	16	16	16	19	22	25	27	28	29	31	31	32	32	32	31	29	26	22	19	17	16	24
17	15	15	15	15	15	15	16	18	21	24	25	27	29	31	31	31	30	28	25	23	22	20	20	19	22
18	18	17	17	17	16	16	17	19	22	26	29	31	33	34	34	34	34	33	32	29	26	24	21	18	25
19	17	16	15	15	17	19	19	19	21	21	23	25	27	26	25	25	24	24	23	21	19	18	16	16	20
20	15	15	14	13	12	12	12	13	14	15	16	18	21	21	22	23	22	22	21	18	16	14	14	13	16
21	13	12	12	12	13	13	13	13	13	14	15	19	19	16	14	12	11	10	9	9	9	8	8	8	12
22	8	8	8	8	8	8	8	9	10	12	15	18	20	21	22	21	21	19	18	16	15	14	13	12	14
23	10	9	9	8	8	8	10	13	16	20	22	24	25	24	24	25	25	24	23	20	17	15	14	13	17
24	12	11	10	10	10	10	11	13	15	21	25	26	25	24	23	22	22	22	21	20	18	16	15	13	17
25	12	12	12	11	10	9	9	12	17	20	21	21	22	24	25	24	22	20	18	16	15	14	12	11	16
26	10	10	10	9	9	9	9	8	8	8	8	9	11	15	17	17	16	16	15	13	10	9	8	8	11
27	8	7	7	7	8	8	8	9	13	16	17	17	17	17	17	17	16	15	14	12	10	8	7	7	12
28	7	6	6	6	6	6	8	9	13	16	18	19	21	21	21	21	21	20	19	16	14	13	12	10	14
29	9	9	8	8	7	8	8	10	11	16	19	22	24	23	23	24	24	23	21	18	16	15	14	14	16
30	13	12	11	10	9	8	7	7	9	10	12	13	16	18	17	17	17	14	12	11	10	9	8	8	12
31	7	6	6	5	5	4	4	4	5	5	5	6	6	7	7	7	7	7	7	6	6	5	5	5	6
AVG	12	12	11	11	11	11	12	14	16	18	20	22	23	24	24	24	24	23	22	19	17	15	14	13	
MAX	19	18	17	17	17	19	19	22	25	27	29	31	33	34	34	34	34	33	32	29	26	24	21	20	
MIN	7	6	6	5	5	4	4	4	5	5	5	6	6	7	7	7	7	7	7	6	6	5	5	5	

Percent of time operational: 100

M - missing data

Monthly Average: 17

Monthly Maximum: 34

Monthly Minimum: 4