

PROMET

October 16, 2007

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

Re: Noise Monitoring for Lafarge – Stoney Trail

Dear Sir;

Attached are results of the monitoring for the period September 1 - 30, 2007 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 were no exceedances of the city of Calgary noise bylaw.

There were no exceedances of the Alberta Air Quality Objectives for TSP. There were no Exceedances of the Canada Wide Standard for PM2.5 particulate.

Please call if there are any questions regarding the results.

Yours truly,

PROMET ENVIRONMENTAL GROUP LTD.



Dr. William (Bill) Murray
President

WM/kt
Enc.

PROMET

MONTHLY REPORT SUMMARY

Stoney Trail

Lafarge Canada Inc.

Name/Location

Company

September 2007

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Bylaw Limit for Industrial Area
Sound	100%	42	60 dB A	0
PM2.5	100%	7	10	0
TSP	100%	31	45	0
Wind	100%	12 km/h	30 km/h	-
Precipitation	100%	0	3	-
Trailer Temperature	100%	11	29	-

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

COMMENTS:

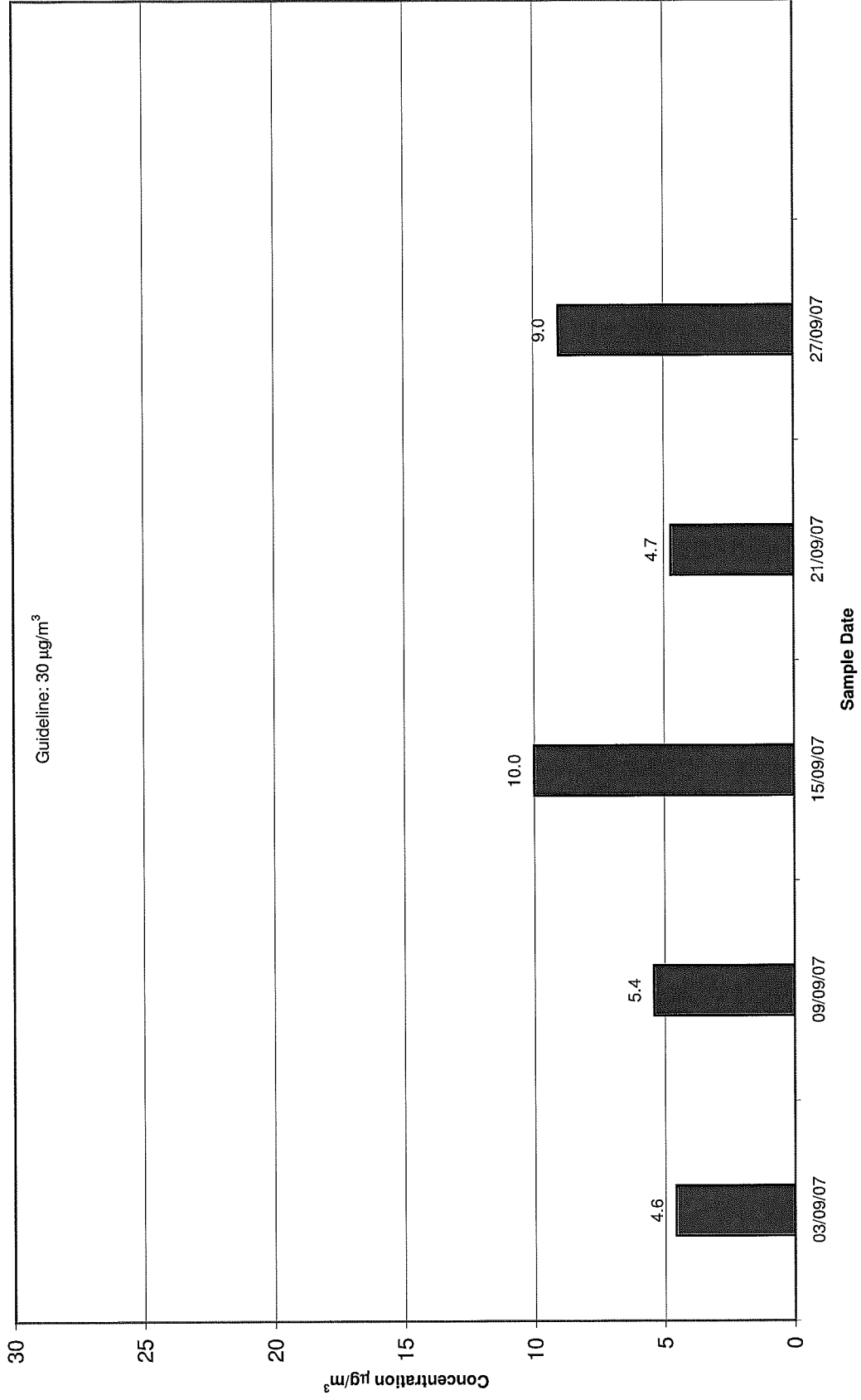
The noise regulation is 85 dB A . However, the reading is not an exceedance if it is less than 5 dB above the ambient noise level.

The PM2.5 Standard is 30 µg/m³ for the day.

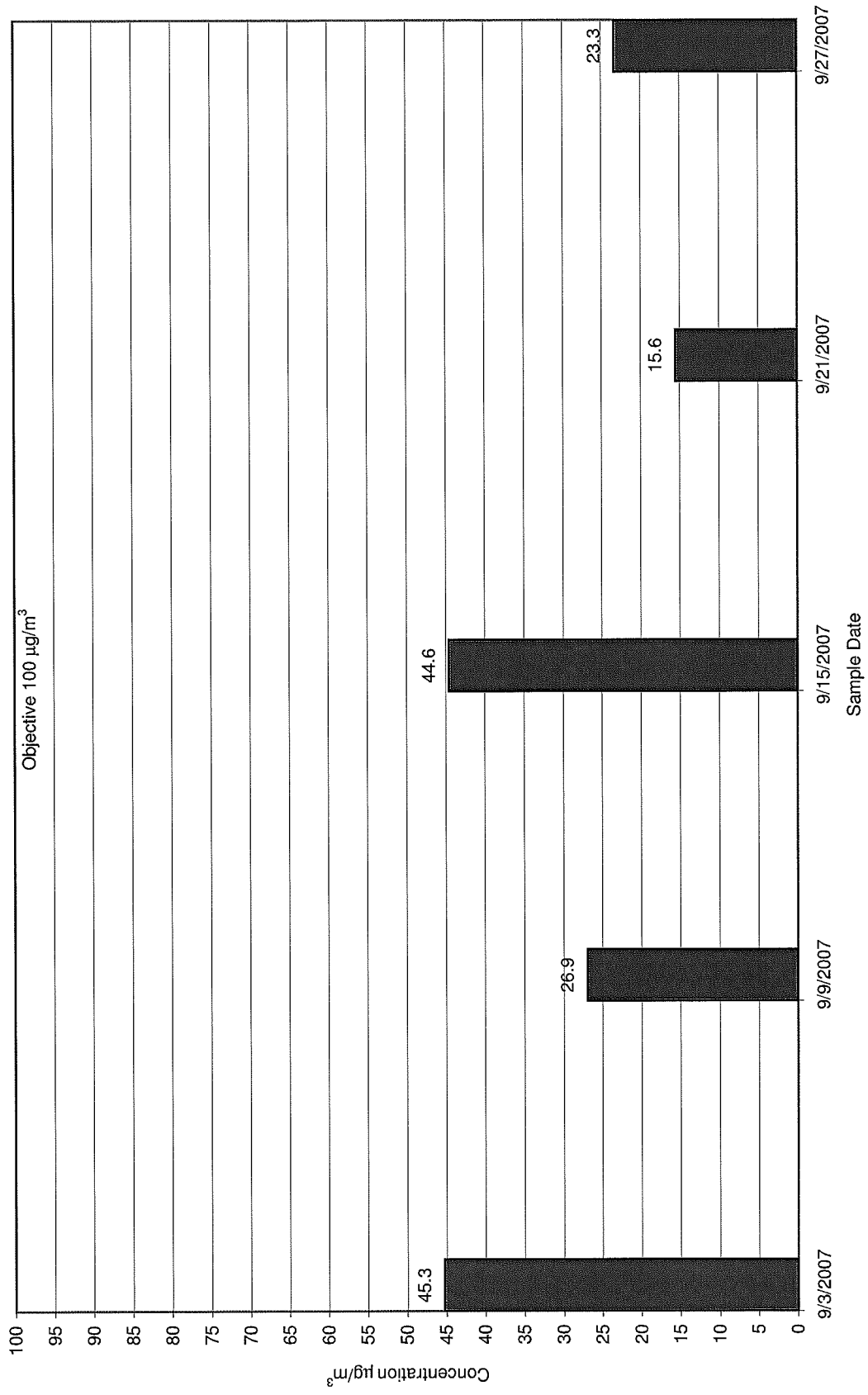
The TSP Objective is 100 µg/m³ for the day.

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

PM2.5 at Lafarge Stoney Trail September 2007



TSP at Lafarge Stoney Trail, September 2007



PRECIPITATION [mm]
Lafarge Canada Inc.
Stoney Trail
STATION 620
SEP 2007

Day	Hour																								Tot
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
12	3	1	1	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	6	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	3	1	1	1	3	3	2	0	0	0	0	1	1	0	0	1	0	2	1	2	3	1	1	2	
MAX	3	1	1	0	3	3	1	0	0	0	0	1	1	0	0	1	0	2	1	1	3	1	1	2	

Percent of time operational: 100 M - missing data
Monthly Total: 32 Maximum in an hour: 3
Year to Date: 212

TRAILER TEMPERATURE
Lafarge Canada Inc.
Stoney Trail
STATION 620
SEP 2007

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	13	12	12	12	11	11	11	11	11	13	15	16	18	20	20	21	22	22	20	16	13	12	11	10	15
2	11	10	10	10	10	10	10	10	13	16	19	21	24	26	27	27	26	25	23	20	18	16	15	14	17
3	13	11	10	11	11	10	10	13	17	20	22	23	24	23	23	23	22	20	18	15	14	13	14	17	
4	13	12	11	10	11	11	12	13	16	19	21	23	24	25	26	27	26	25	23	19	16	14	12	12	18
5	11	10	9	9	8	8	8	10	14	17	19	21	23	25	26	26	26	23	20	18	16	15	13	12	16
6	11	10	10	9	9	9	9	11	13	16	18	15	11	12	14	15	16	16	15	11	8	6	5	4	11
7	5	5	5	6	5	5	5	5	7	9	10	10	9	9	10	13	13	11	9	7	6	5	5	4	7
8	4	3	3	3	3	3	3	5	8	11	14	16	17	18	16	12	13	13	11	10	8	7	5	4	9
9	4	4	3	3	3	2	3	5	8	11	13	15	17	19	20	21	22	21	19	15	12	10	10	11	
10	10	10	9	9	9	9	10	12	15	18	20	22	23	24	25	25	25	23	21	17	15	13	12	16	
11	11	10	9	8	8	10	11	14	17	20	22	24	26	28	29	28	27	25	22	19	17	16	14	13	18
12	11	10	8	8	7	7	7	6	6	7	8	10	11	12	13	13	13	13	11	8	5	3	2	1	8
13	1	0	-1	-1	-1	-1	-1	2	5	8	11	13	15	17	19	19	19	18	16	13	11	10	8	7	9
14	6	6	6	7	8	8	8	10	14	17	19	21	24	26	26	26	26	25	21	16	12	9	8	7	15
15	7	7	7	7	7	6	6	9	13	17	20	23	25	27	28	28	28	25	21	16	13	11	10	9	15
16	9	10	11	11	11	11	11	13	17	20	23	24	26	26	26	26	25	24	20	17	16	15	14	13	17
17	12	11	10	10	10	9	8	7	7	8	9	12	14	12	12	13	13	12	10	7	6	6	6	6	10
18	6	6	5	4	4	3	3	4	6	9	12	12	13	14	14	13	12	10	8	6	6	6	5	5	8
19	4	3	3	2	2	1	1	1	2	3	5	7	9	10	11	12	12	11	9	6	4	3	2	2	5
20	1	1	1	2	3	5	6	7	8	9	10	10	10	10	12	14	13	11	8	6	6	5	5	4	7
21	4	3	1	0	0	0	1	2	6	10	13	14	14	15	15	15	15	15	13	11	11	10	9	9	9
22	9	9	8	8	8	7	6	7	8	9	10	12	14	15	17	17	17	14	11	8	7	6	6	5	10
23	5	5	5	5	4	4	4	4	3	3	4	5	6	7	7	7	7	5	3	1	0	-1	-2	4	
24	-2	-2	-2	-2	-2	-2	-2	0	4	7	10	12	14	16	17	17	17	15	12	9	7	7	6	6	7
25	6	6	7	8	8	7	7	8	9	10	12	14	15	14	11	11	10	11	9	7	5	4	3	3	9
26	3	3	3	4	5	5	6	7	11	12	13	16	18	19	18	15	14	13	10	7	4	4	3	3	9
27	2	2	2	3	3	3	3	4	6	8	10	13	16	18	19	19	18	18	16	14	12	11	11	11	10
28	11	10	9	8	7	6	6	5	6	7	9	10	12	13	14	12	10	8	6	4	4	3	3	2	8
29	2	2	2	2	2	1	1	1	2	5	8	11	13	13	14	14	13	11	8	6	5	5	4	2	6
30	1	1	0	0	0	1	3	5	8	11	12	14	16	17	18	17	16	14	11	9	8	8	7	7	9
AVG	7	6	6	6	6	6	6	7	9	12	14	15	17	18	18	18	18	17	14	11	10	8	8	7	
MAX	13	12	12	12	11	11	12	14	17	20	23	24	26	28	29	28	28	25	23	20	18	16	15	14	
MIN	-2	-2	-2	-2	-2	-2	-2	0	2	3	4	5	6	7	7	7	7	5	3	1	0	-1	-2		

Percent of time operational: 100
Monthly Average: 11 Monthly Maximum: 29 Monthly Minimum: -2

M - missing data

ABSTRACT OF THE WIND
Lafarge Canada Inc.
Stoney Trail
STATION 620
SEP 2007

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	NE	NNE	NNE	NE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	N	NNE	NE	ENE	E	SE	ESE	SE	SE	SSE	SSE	S		NNE	0									
2	S	SSW	SSW	SSW	SW	SW	W	WNW	WNW	WNW	NNW	NW	NW	NW	W	WSW	W	SW	SW	WSW	SSW	S	NE		10	18	0									
3	SSE	WNW	NNW	N	N	N	NNE	WNW	NNW	E	E	SE	SSE	SSE	SSE	S	SSE	SE	ESE	ENE	ESE	SSE	S	S		SSE	0									
4	SSW	S	WSW	W	WNW	NW	NW	NNE	NNE	NNE	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NNE	N		SVL	0									
5	NNW	W	WSW	SSW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	S	S	SSW	SSW	WSW	W	NNW	NNE	NE	NE		SSW	0									
6	NNE	NNE	NNE	NNW	WNW	WNW	W	W	W	W	NW	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	NE	SW	SW	WSW	SW		NNE	0									
7	SW	SW	WSW	SW	SW	SW	SW	ENE	ENE	NE	ENE	ENE	NNE	N	N	NNE	N	N	N	NW	NW	NW	NNW	NNW		SW	0									
8	NNW	NNW	NW	NW	NNW	NNW	NNW	NW	NW	N	NNE	NNE	ENE	ENE	NNE	NW	N	NE	NNE	NNE	NNE	NW	WNW	WNW		NNE	0									
9	NNW	NNW	NW	WNW	NW	WNW	NW	WNW	WNW	WSW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	WSW	W	NW	NW		SW	0									
10	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNE	NE	ENE	E	ESE	SSE	SSE	SSE	S	S	S	SSW			NW	0									
11	SSW	SSW	SW	WSW	WNW	NW	NW	NW	NNW	NNW	NW	NNW	NE	E	SE	SSE	SSE	ESE	ENE	NE	NE	NNE	NNE			NW	0									
12	NNE	N	NNW	NNW	N	NNW	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	NW	WNW		NNE	0									
13	N	ENE	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	WSW		SSW	0									
14	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WSW	W	NW	W	NNE	SE	SSE	SSE	SSW	S	WSW	W		NW	0									
15	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNE	N	NNE	E	E	SE	SSE	SSE	S	SW	W	W	WNW			WNW	0									
16	NW	NW	NW	NW	NW	NW	NNW	NW	NW	N	WNW	W	SSW	S	WSW	WNW	WNW	WNW	NW	NNW	N	N	NNE	NNE		NW	0									
17	N	NNE	N	N	NNE	NNE	NNE	NNE	N	NNE	ENE	ESE	SSW	SW	SW	SSW	S	SSW	SW	W	NNE	NNE	N	N		NNE	0									
18	N	N	N	N	NNW	NNW	NNW	N	N	N	NE	NE	ENE	ENE	E	E	E	E	ENE	ENE	ENE	ENE				N	0									
19	ENE	ENE	NE	NE	ENE	ENE	ENE	NE	E	SSE	S	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	SSW	SSW	SW			SSW	0									
20	SW	W	W	W	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	WSW	SW	SW	SSW	E	NE	NNW	NW	W	W	NW			NW	0									
21	NNW	WNW	W	SSE	SSW	WSW	W	W	W	WSW	WSW	W	W	WSW	WSW	SW	WNW	NW	WNW	WNW	WNW	WNW	NW	NW		SVL	0									
22	NW	NNW	NW	NW	NNW	NW	NW	NE	NNE	NNE	NNE	NE	NE	ENE	E	ESE	ESE	ENE	NNE	NNE	N	N	N	N		SVL	0									
23	N	N	NNE	NE	NNE	NNE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNE	WNW	WNW	WNW	N	SSE		NNE	0									
24	SSW	SW	SSW	WSW	W	W	W	WNW	W	W	WSW	SW	WSW	W	W	WNW	W	WNW	W	WNW	WNW	WNW	WNW	WNW		W	0									
25	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NE	NE	NE	NE	NNW	NW	NNE	NW	W	W	WNW			WNW	0									
26	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	NW	NW	NW	NNW	NW	WNW	NNE	NE	ENE	NE	WSW	WSW	W	WSW	WSW	WSW		WNW	0									
27	WSW	SW	SSW	SSW	SW	WSW	WSW	W	W	SW	SSW	S	S	S	NNE	NNW	WNW	WSW	SW	SSW	SSW	SSW				SSW	0									
28	SSW	SW	SW	WSW	W	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE		NNE	0									
29	NNE	N	NNW	N	NNW	NNW	N	N	N	NNE	NE	SE	S	SSW	SSW	SW	SW	SSW	SSW	S	S	SW	W	W		N	0									
30	W	W	WSW	W	W	W	W	WNW	W	W	WSW	WSW	SW	WSW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW		W	0									
MEAN	9	11	10	10	12	18	18	10	10	11	14	17	10	10	16	18	19	18	12	14	15	15	21	19		14	21	0								
SPEED	11	11	11	11	11	12	11	11	12	12	12	13	13	13	12	12	12	12	12	11	10	11	12	12	12		12	30	NNE	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
 SEP 2007

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	3	6	4	2	2	1	1	8	2	2	1	5	6	6	4	5	58	8
6- 11	33	28	17	13	8	6	7	10	14	19	33	31	40	22	41	27	349	48
12- 19	12	48	18	12	2	1	1	3	13	28	12	11	15	46	38	6	266	37
20- 28	5	14	7	4	2	0	0	0	3	6	0	0	0	3	2	0	46	6
29- 38	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
TOTAL	53	96	46	31	14	8	9	21	32	55	46	47	61	78	85	38	720	100
PERCENT	7	13	6	4	2	1	1	3	4	8	6	7	8	11	12	5		
AVERAGE	11	14	13	12	10	8	9	8	12	13	11	10	10	13	12	9	12	

16 OCT 2007 1135

Wind rose for SEP 2007 Stoney Trail

Bar length is proportional to frequency of winds from its direction

