



September 12th, 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 August 1 – 31, 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.

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

Lafarge Canada Inc.

Name/Location

Company

August 2007

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Bylaw Limit for Industrial Area
Sound	100%	40	55 dB A	0
PM2.5	100%	10	18	0
TSP	100%	38	55	0
Wind	100%	11 km/h	31 km/h	-
Precipitation	100%	0	4	-
Trailer Temperature	100%	15	31	-

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

COMMENTS:

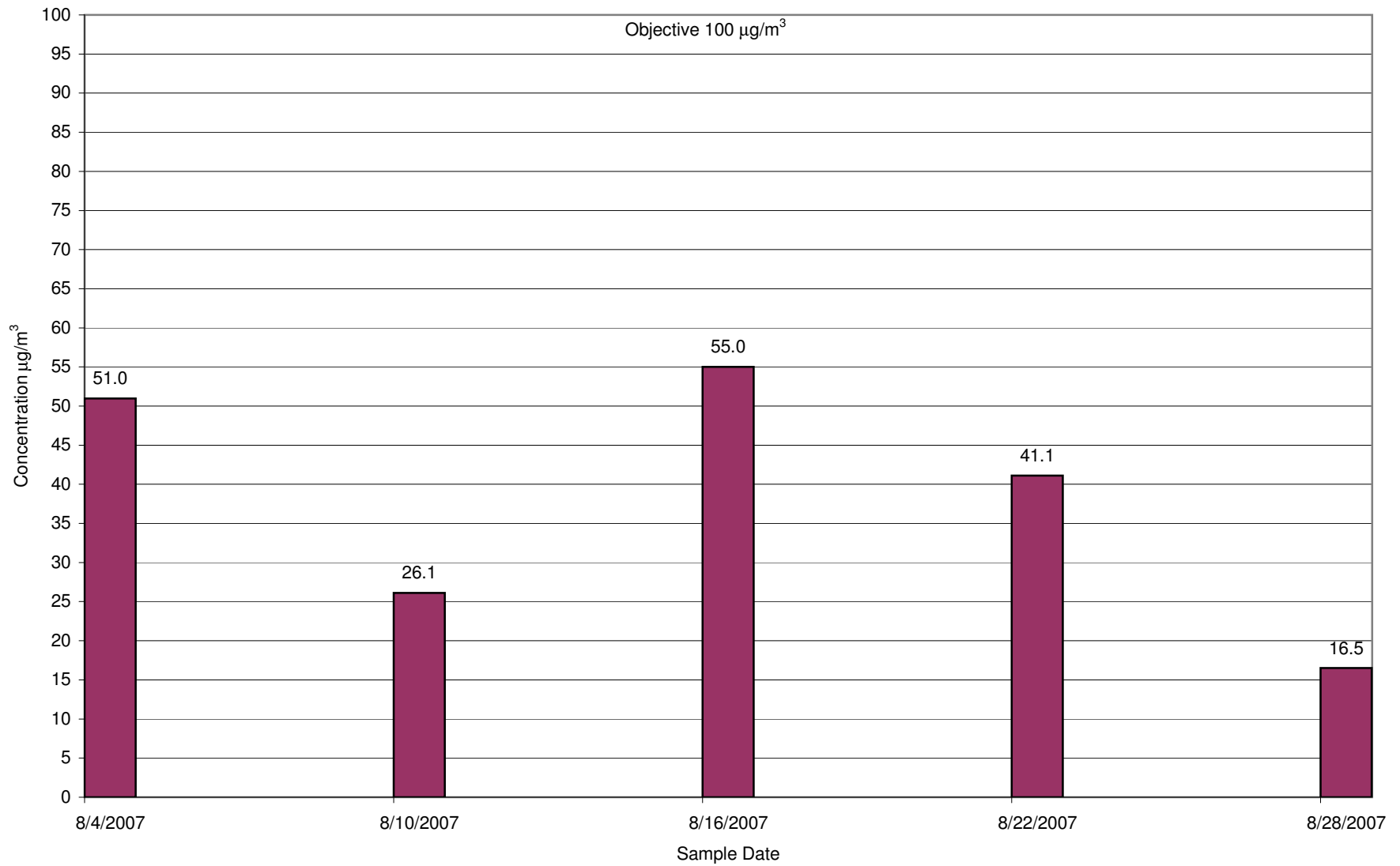
The noise regulation is 85 dB A . However, the reading is not an exceedance if it is less than 5 dB above the ambient noise level.

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

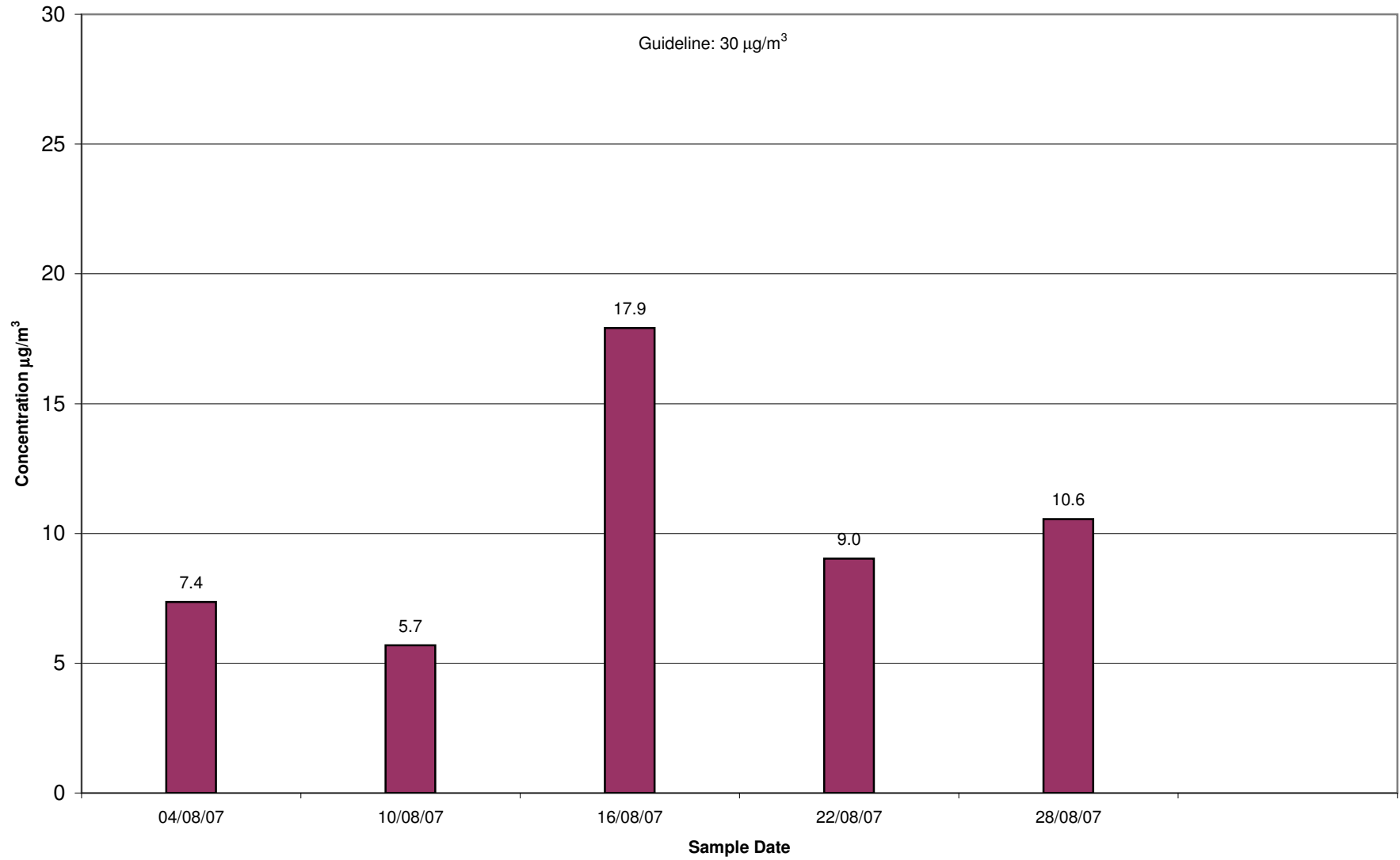
The TSP Objective is 100 $\mu\text{g}/\text{m}^3$ for the day.

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

TSP at Lafarge Stoney Trail, August 2007



PM2.5 at Lafarge Stoney Trail August 2007



SOUND LEVEL [dBA] Leq 1 hour
 Lafarge Canada Inc.
 Stoney Trail
 STATION 620
 AUG 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	47	47	46	38	34	38	44	43	41	C	43	42	41	40	39	38	38				48	48	49	47	42		
2	46					41	44	42												38	39	39	38	32			
3	42	35	37	36	37				40															20			
4		34	41	37	35	36	36	39	40	37	44	40	44	41								37		35	35		
5	32	31	30	30	32	32	34	35	37	41	42	41	38			55	39	36	36	37	37		35	37	38		
6	33	28	29	27	28	32	42	43	41	40	44	42	43	40	42	33	36				35	34	32	32	37		
7	32	32	32	36	34	39	39	52	41											39	41	42	46	38	36		
8	40	48	37	36	36	38					38	40	45	39	38	37									34		
9			36	37		35	39	40	39					36	38	38	31	35				36			31		
10								37	38											41	44	39	38	43	34	30	31
11	42	30	38	29	30	37	37	38	40														44	46	32		
12	46	46	49	41	44	34	36	37	41													36	40	35	36		
13						37			39	40										42	38	40	44	40	38	32	
14	42	41	35	29	30	38	40			36	35	40	42	38	38	38				41	36	37	38	38	36		
15	37	36	37	37	35	39	43	44	41	38	36						38							38	36	34	
16	34	34	35	36	42	39	46	42																	30		
17	37	37		36	34	41	43	45	43	41	42								36	36	38	36	41	37	38	37	
18	38	38	39	32	33	37	45	40	39	43	44	40	41	40									38	37	35	36	
19	38	37	43	41	46	34	37	37	41	50	44	42	38	35	36	39	41	43	41	37	44	41	40		41		
20							43																			M	
21				40	36	37	45											41	45	40	42	43			33		
22			38	38		41						44		42	43		43	46	43	44	45	47	42	46	39		
23	41	40	39	36	37	40	41	43	41	41			43	43	44	44	40	43	44	42	44	41	34	37	41		
24	48	44	37	37	37	43	46	45	41	39	38	38	40	39	38	37	40								38		
25		37	36	35	36	41	40			39	41											43	42		45	33	
26	43	41	38	36	36	36	36	36	37	41	43	46							44	43	45	42	35	36	38		
27	41	41	41	41	37	42	43	44						41	42	45	41	44	45	45	43	43	34	35	40		
28	39	38	37	39	38	41	46	46	42	41	43	41	40	41	37	38	40	39	39	37	40		38		40		
29			31	37	48	52	51	45	43	42	42	36	36			39	39	38	40	38	44	45	41	36	41		
30	42	41	38		39			45	43	42	37	34	36			37	39	37	38	37	36	33	34	32	37		
31	32	34		31	36	35	44	46				42									40	41	42		33		
AVG	41	39	39	36	38	39	43	43	41	41	41	41	41	40	40	42	40	41	41	40	41	42	39	39			
MAX	48	48	49	41	48	52	51	52	43	50	44	46	45	43	44	55	43	46	45	45	48	48	49	47			
MIN	32	28	29	27	28	32	34	35	37	36	35	34	36	35	36	33	31	35	36	37	35	33	32	30			

*** SOUND DATA REPORTED ONLY FOR WIND SPEED < 11.5 KM/H ***

Percent of time operational: 100 M - missing data C - Calibration
 Monthly Average: 40 Monthly Maximum: 55 Monthly Minimum: 27
 *** 0 Exceedances of Guideline***

PRECIPITATION [mm]
 Lafarge Canada Inc.
 Stoney Trail
 STATION 620
 AUG 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	0	0	0
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	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	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
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	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	2	0	2	0	0	2	2	0	0	13
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	0	1
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	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	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	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	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	0	0	0
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	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	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
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	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	1	1	
26	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6
27	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	0	0
31	0	0	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	1	0	0	0	0	0	0	4	2	2	1	5	1	0	0	0	2	0	2	1	0	2	2	1	1	
MAX	0	0	0	0	0	0	0	4	1	1	1	2	1	0	0	0	2	0	2	1	0	2	2	1		

Percent of time operational: 100
 Monthly Total: 29 Maximum in an hour: 4
 Year to Date: 179

TRAILER TEMPERATURE
Lafarge Canada Inc.
Stoney Trail
STATION 620
AUG 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	9	9	9	9	9	9	10	13	17	21	22	23	24	25	26	26	27	27	26	24	20	17	15	13	18	
2	12	12	12	12	12	12	12	15	18	21	23	25	27	29	30	30	30	30	29	26	23	20	18	18	21	
3	17	16	15	13	12	12	15	19	23	25	26	28	29	30	31	30	28	26	24	23	19	15	14	13	21	
4	13	12	11	11	11	11	11	15	18	21	23	24	25	26	27	26	25	24	22	19	17	15	13	13	18	
5	13	12	11	10	10	10	11	14	18	21	22	24	25	25	22	19	20	23	22	19	16	15	14	13	17	
6	13	12	11	10	9	9	10	14	18	21	22	23	25	27	28	28	29	28	26	24	20	17	15	14	19	
7	13	12	12	11	11	11	13	18	22	24	26	28	28	28	30	29	29	28	25	22	19	18	16	15	20	
8	14	14	15	14	14	13	14	13	13	13	13	15	15	17	17	16	15	15	14	13	13	12	12	11	14	
9	11	10	10	10	10	9	9	10	10	10	10	11	11	11	11	12	12	11	11	11	10	10	10	10	10	
10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	10	10	9	8	7	6	10
11	5	5	5	5	5	4	6	10	13	15	17	18	19	20	21	21	21	21	19	17	15	13	12	11	13	
12	9	8	7	7	7	7	7	8	10	14	16	18	20	21	22	22	21	20	17	15	13	12	12	12	13	
13	11	11	10	11	10	10	10	11	11	12	12	14	14	15	15	14	13	12	12	11	11	10	10	10	12	
14	10	10	10	10	10	10	10	11	13	15	18	20	22	23	24	24	24	24	23	21	17	14	12	10	16	
15	9	8	8	7	7	7	8	10	13	17	20	22	23	24	25	26	26	26	24	21	19	16	15	13	16	
16	12	11	11	10	10	9	9	13	16	19	20	21	23	24	25	26	25	25	24	22	20	18	17	15	18	
17	14	13	12	12	11	10	9	11	13	15	17	19	20	21	21	22	22	22	22	20	17	15	13	12	16	
18	12	11	10	10	10	10	11	14	17	20	22	24	26	27	27	26	23	23	20	18	15	12	11	10	17	
19	10	9	8	8	8	8	9	11	12	13	14	16	18	20	20	19	19	18	17	16	15	14	14	14	14	
20	14	13	13	12	12	12	11	13	16	18	20	21	20	20	20	20	21	19	17	16	14	13	12	12	16	
21	12	11	10	10	9	8	9	13	16	18	19	19	20	21	19	19	20	20	18	16	15	13	13	12	15	
22	12	12	11	11	11	10	10	12	15	17	19	20	19	20	21	20	21	19	18	16	14	13	12	12	15	
23	11	11	11	11	11	11	10	11	11	12	11	11	11	11	11	12	14	16	15	13	10	8	8	7	11	
24	6	6	6	6	6	5	6	9	13	16	17	20	22	24	25	25	25	24	22	19	16	14	14	13	15	
25	12	12	11	10	10	10	10	11	12	16	19	21	22	22	21	21	21	21	21	19	16	14	13	12	11	15
26	10	9	9	9	9	9	9	9	9	10	10	10	10	10	11	12	12	11	10	9	9	8	8	8	10	
27	7	7	8	8	8	8	7	8	8	7	7	8	10	10	11	13	14	16	15	12	8	6	4	3	9	
28	3	3	3	3	3	3	3	6	10	14	16	18	20	20	21	21	21	20	18	16	13	13	12	11	12	
29	11	10	8	7	6	6	8	11	13	16	18	20	20	21	22	23	25	26	25	21	17	14	13	12	16	
30	11	10	10	10	10	10	11	15	19	22	25	25	25	24	24	24	23	23	24	22	19	16	15	13	18	
31	12	12	13	13	12	12	11	12	14	17	19	22	24	25	25	23	22	20	18	16	15	14	14	14	17	
AVG	11	10	10	10	9	9	10	12	14	16	18	19	20	21	21	21	21	21	21	20	18	15	13	12	12	
MAX	17	16	15	14	14	13	15	19	23	25	26	28	29	30	31	30	30	30	30	29	26	23	20	18	18	
MIN	3	3	3	3	3	3	3	6	8	7	7	8	10	10	11	11	11	11	11	10	9	8	6	4	3	

Percent of time operational: 100
 Monthly Average: 15 Monthly Maximum: 31 M : missing data
 Monthly Minimum: 3

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

HOUR DAY	ALL TIMES ARE L.S.T.					SPEED [km/h]										ANEMOMETER HEIGHT 10 m										MEAN	MAX	PREV	MISS		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	SPD					VEL	DIR
1	N	NNE	NNE	NNE	N	N	N	N	N	W	WSW	SW	SSW	S	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE				SVL	0		
2	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	SSW	SSW	SSW	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	S	SSW				SSW	0		
3	SSW	SSW	WSW	NW	WNW	WNW	WNW	WNW	NW	NNE	NE	ENE	ENE	ENE	ENE	NE	NE	NNE	NNE	NNE	NNE	N	N	N				NNE	0		
4	NNW	WNW	NW	N	N	WNW	NW	NNE	NNE	ENE	E	NNW	E	E	E	ENE	ENE	NE	NE	NE	NNE	NNE	NNE	N				NNE	0		
5	NNW	NW	WNW	NNW	NNW	N	N	NE	ENE	SE	SSE	SSW	SSW	S	SW	N	WNW	SW	W	WNW	SW	NW	N				N	0			
6	N	N	WNW	NW	NW	NW	NW	N	N	W	NW	W	WSW	WSW	WNW	SSW	SSW	SW	SW	SSW	SW	SW	WSW	W				NW	0		
7	WNW	WNW	WNW	W	WNW	W	WNW	NW	NW	WNW	NW	WNW	NW	WNW	NW	WNW	WNW	NW	N	NNE	NNE	NNE	WNW	W				WNW	0		
8	W	NNE	NNE	E	NE	NNW	NNE	NE	NE	NE	NE	E	ESE	SE	E	ESE	E	ENE	ENE	ENE	ENE	NE	NE	NE				NE	0		
9	NE	NE	NE	NNE	NE	NNE	NE	NNE	NE	NNE	NNE	NE	NE	ENE	E	E	E	E	ESE	ESE	ESE	SE	SE	SE				NE	0		
10	SE	SE	SE	SSE	SE	SE	SSE	NNW	NNE	N	NNW	NNE	NNE	NNE	NNE	NNE	NNE	N	NNE	N	N	NNW	NW	WNW				NNE	0		
11	W	WNW	W	WNW	WNW	WNW	WNW	W	W	SW	SSW	S	S	S	SSE	S	SSE	SSE	SSE	SSE	SE	SSE	S	S				S	0		
12	SSE	SSE	S	SW	W	WNW	WSW	N	NNE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NE	NNE	NNE	N	N	NNE				NE	0		
13	NNE	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	E	SE	SE				NE	0		
14	SSE	S	SSW	SSW	SSW	S	S	SSW	SW	W	WSW	SSE	E	ESE	ESE	SE	SE	SE	SE	SE	ESE	E	ENE	ENE	ENE				SVL	0	
15	E	N	N	N	N	NW	SW	W	W	WSW	SSW	S	S	S	SSW	S	SSE	SE	ESE	ESE	ESE	SE	S				S	0			
16	SSW	SSW	SSW	S	S	ENE	E	SSE	S	S	S	SSE	S	SSE	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	SE				SSE	0			
17	SE	SSE	S	SSE	S	NW	SSE	WNW	WNW	ENE	ENE	E	ESE	SE	SE	SSE	SSE	SSE	SE	ENE	NE	NNE	NE	NNE				SSE	0		
18	NNE	N	N	N	N	N	NNE	N	NNE	NE	ENE	NNE	SE	ESE	ESE	ESE	SE	SE	ENE	NNE	N	N	NNW	NW				N	0		
19	ENE	NNW	WNW	W	WNW	WNW	W	NE	ENE	SE	E	E	SE	SSE	SE	SE	N	NNE	ENE	ENE	NNE	N	N				SVL	0			
20	N	N	NNW	NNW	NNW	N	N	N	N	N	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW				WNW	0		
21	NW	WNW	NW	NNW	N	N	NW	WNW	WNW	NW	WNW	NE	ENE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	N	N				NNE	0			
22	N	N	N	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	NE	NE	NNE	NE	NE	NE	NE	NE	NE	N				SVL	0		
23	WNW	NW	E	ESE	ESE	SE	SSE	SSW	N	ENE	ENE	ENE	ENE	NNE	N	SW	WSW	NW	N	NNW	WNW	WNW	WNW				WNW	0			
24	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	SW	SSW	W	NNW	WSW	SW	S	S	SSW	S	S	SSW	SSW				WNW	0			
25	SSW	SW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	N	NE	NE	NE	NE	NE	ENE	ENE	NE	NE	NNE	NW	NNE	NE				NE	0		
26	ENE	SSW	SW	WSW	WSW	W	WSW	SW	ESE	ESE	SE	NE	ENE	NNE	NNE	NNE	NNE	NE	ENE	NE	NE	ENE	ENE	NE				SVL	0		
27	NE	ENE	NE	NNE	NE	NE	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NE	NNE	NE	SSW	SSW				NNE	0			
28	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SSW	SSE	SSE	SSE	W	SW	SSW	SSE	SSE	SSE	S	S	S	SSW				WNW	0		
29	SSW	SSW	SW	WSW	W	W	W	WSW	WSW	WSW	WSW	SW	SW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW				SSW	0		
30	SW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW	SW	SSW	S	S	SSW	SSW	SW	SW	WSW	SW	WNW	WSW	W				WNW	0			
31	WSW	W	WSW	WSW	WSW	WSW	NW	NNE	NNE	NE	NE	NE	E	ESE	ESE	E	ENE	ENE	NE	NNE	NNE	N	N	N				WSW	0		
MEAN																															
SPEED	9	9	10	9	9	8	8	9	10	10	11	12	13	13	14	13	14	14	14	12	11	10	11	10				11	31	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

AUG 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	11	12	12	8	5	3	3	6	1	4	3	2	7	6	9	3	95	13
6- 11	39	35	25	16	14	9	16	18	21	27	22	32	26	47	13	11	371	50
12- 19	23	36	37	18	4	10	18	16	19	17	7	2	1	24	9	8	249	33
20- 28	2	0	5	3	0	0	0	9	4	2	0	0	0	3	0	0	28	4
29- 38	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
TOTAL	75	84	79	45	23	22	37	49	45	50	32	36	34	80	31	22	744	100
PERCENT	10	11	11	6	3	3	5	7	6	7	4	5	5	11	4	3		
AVERAGE	10	11	12	11	9	11	12	12	13	11	10	9	8	11	9	10	11	

12 SEP 2007 1133

Wind rose for AUG 2007 Stoney Trail

Bar length is proportional to frequency of winds from its direction

