

February 23, 2007

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

Re: Noise and Particulate Monitoring for Lafarge – Stoney Trail

Dear Sir;

Attached are results of the monitoring for the period January 1 – 31, 2007 for noise and PM2.5 and TSP particulate. A B&K model 2236 meter was used for noise, and the Aerometrics Minvol 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 for all parameters 100% during the monitoring period.

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 study.

Yours truly,

PROMET ENVIRONMENTAL GROUP LTD.



Dr. William (Bill) Murray
President

WM/kt
Enc.

MONTHLY REPORT SUMMARY

Stoney Trail

Lafarge North America

Name/Location

Company

January 2007

Monitoring Period

Parameter	% Time Operational	Average	Maximum	Number of Hours above Guideline
Sound	100%	37 dB A	46	0
PM2.5	100%	7	13	0
TSP	100%	33	71	0
Wind	100%	18 km/h	50	-
Precipitation	100%	0	1	-
Temperature	100%	-3	13	-

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

COMMENTS:

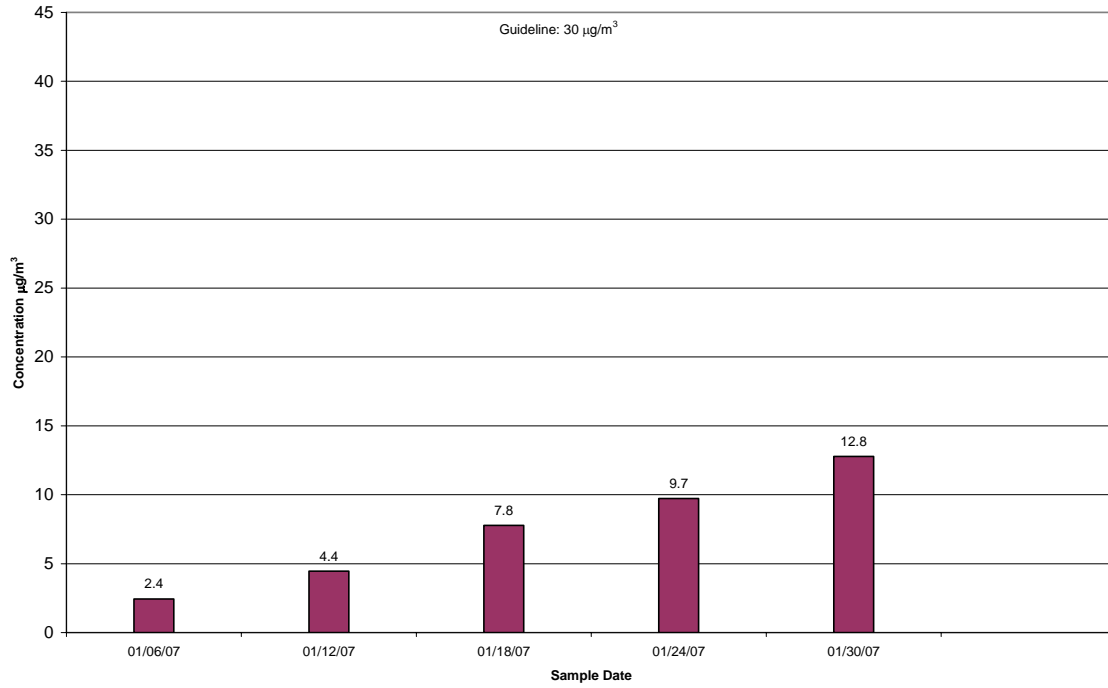
The noise guideline is 85 dB A. However, the reading is not an exceedance if it is less than 5 dB above the ambient noise level.

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

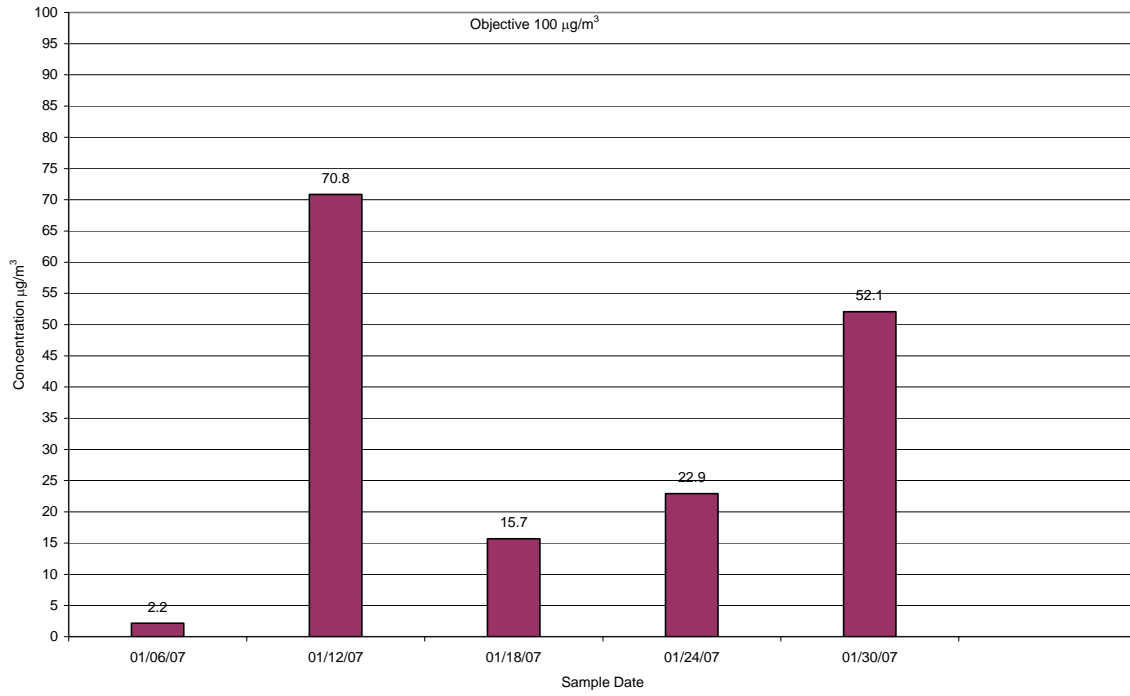
The TSP Objective is 100 µg/m³ for the day.

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 January 2007



TSP at Lafarge Stoney Trail, January 2007



ABSTRACT OF THE WIND
Lafarge Canada Inc.
Stoney Trail
STATION 620
JAN 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	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	23	35	WNW	0
2	NW	WNW	W	W	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	SW	SSE	NE	ESE	W	W	WSW	WSW	SW	WSW	WSW	W	20	35	WNW	0
3	WNW	W	W	WSW	W	W	WNW	W	WNW	WNW	WNW	WNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	18	28	NW	0
4	NW	W	SW	SSW	WSW	W	W	WNW	NW	NW	WNW	NW	WNW	WNW	WNW	WNW	NW	NW	N	N	NNE	NNE	NNE	NNE	13	23	NW	0
5	N	WNW	WSW	WSW	WSW	NW	NW	WNW	W	W	WNW	WNW	WNW	W	WNW	WNW	WNW	WSW	WSW	SW	W	WSW	WNW	19	40	WNW	0	
6	WNW	WNW	WNW	WNW	NW	NW	WNW	N	N	N	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	W	W	WNW	24	45	WNW	0	
7	WNW	WNW	W	W	SW	SW	SSW	SSW	SSE	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	24	50	WNW	0
8	NW	NW	NW	NW	NNE	NNE	N	N	N	N	NW	NW	NW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	18	36	WNW	0	
9	W	WSW	SSW	SSW	SSW	SSW	SE	SE	SSW	SSE	ESE	SSE	ESE	SW	SW	WSW	SW	SSW	SSW	SSW	SW	SSW	SSW	13	21	SSW	0	
10	SW	WSW	WNW	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	30	38	NNE	0	
11	NNE	NNE	N	NNE	N	N	NNE	NW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW	WNW	NW	NW	NW	14	20	WNW	0		
12	NW	NW	WNW	NW	NW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NW	NW	NW	WSW	WSW	WSW	W	WNW	WNW	WNW	13	19	WNW	0		
13	NW	NW	NW	WNW	N	N	NNE	N	N	NNE	NNE	NNE	NE	ENE	ENE	ENE	ESE	SE	SE	SSW	SSW	SW	SW	13	20	SVL	0	
14	WSW	WSW	W	WNW	W	W	WNW	WNW	WNW	NW	NW	WNW	NW	WNW	NW	NW	NW	WNW	WNW	NW	NW	NW	WNW	14	19	WNW	0	
15	NW	WNW	NW	NW	NW	WNW	WNW	NW	NW	WNW	NW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	20	26	WNW	0	
16	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	NW	WNW	WNW	N	NNE	N	18	27	WNW	0		
17	NNE	NNW	NW	WNW	WNW	NW	NW	WNW	N	N	N	NNE	N	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	10	17	N	0	
18	W	WNW	NW	NW	NW	WNW	W	WSW	W	W	WNW	NW	NW	NW	NW	NW	NW	WNW	WNW	NW	NW	NW	15	20	WNW	0		
19	W	WSW	WSW	W	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	16	25	WNW	0		
20	S	S	S	SSW	SSW	SW	SW	SW	WSW	WNW	N	NNE	NE	NE	NE	NNE	NNE	N	N	N	N	N	NW	13	19	N	0	
21	NW	NW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	18	26	WNW	0		
22	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	W	W	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	NW	24	30	WNW	0		
23	WNW	WNW	NW	NW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	17	27	WNW	0		
24	WNW	W	WNW	WNW	WNW	WNW	W	W	W	W	WNW	NW	NW	WNW	NW	NW	WNW	WNW	NW	NW	WNW	WNW	23	34	WNW	0		
25	WNW	WNW	WNW	WNW	WNW	W	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNE	NE	NE	NNE	NNE	19	35	WNW	0		
26	N	N	NNE	NNE	NNE	N	N	NNW	NNW	N	WNW	NW	NNE	NNE	NNE	NE	ENE	ENE	NE	NW	W	SW	12	23	NNE	0		
27	WSW	WSW	W	W	W	W	WNW	WNW	W	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	14	22	WNW	0		
28	N	NNE	N	NNE	NNE	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	17	24	N	0	
29	N	N	N	WNW	W	WSW	SW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	W	W	WNW	12	18	SSW	0		
30	NW	NW	NW	NW	NNW	N	NNW	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NNE	NE	NE	NE	24	37	N	0	
31	NE	WSW	WSW	WSW	WSW	W	W	WNW	WNW	NW	NNE	N	N	NNE	NNE	N	NNE	N	N	NNE	N	NNE	NNE	19	34	NNE	0	
MEAN	7	4	8	8	9	8	8	10	11	9	15	23	21	29	34	30	26	24	27	30	30	27	25	29	19	34		0
SPEED	15	16	16	16	16	18	17	16	16	16	18	19	20	22	22	20	21	19	18	17	17	16	16	18	50	WNW	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 %																											

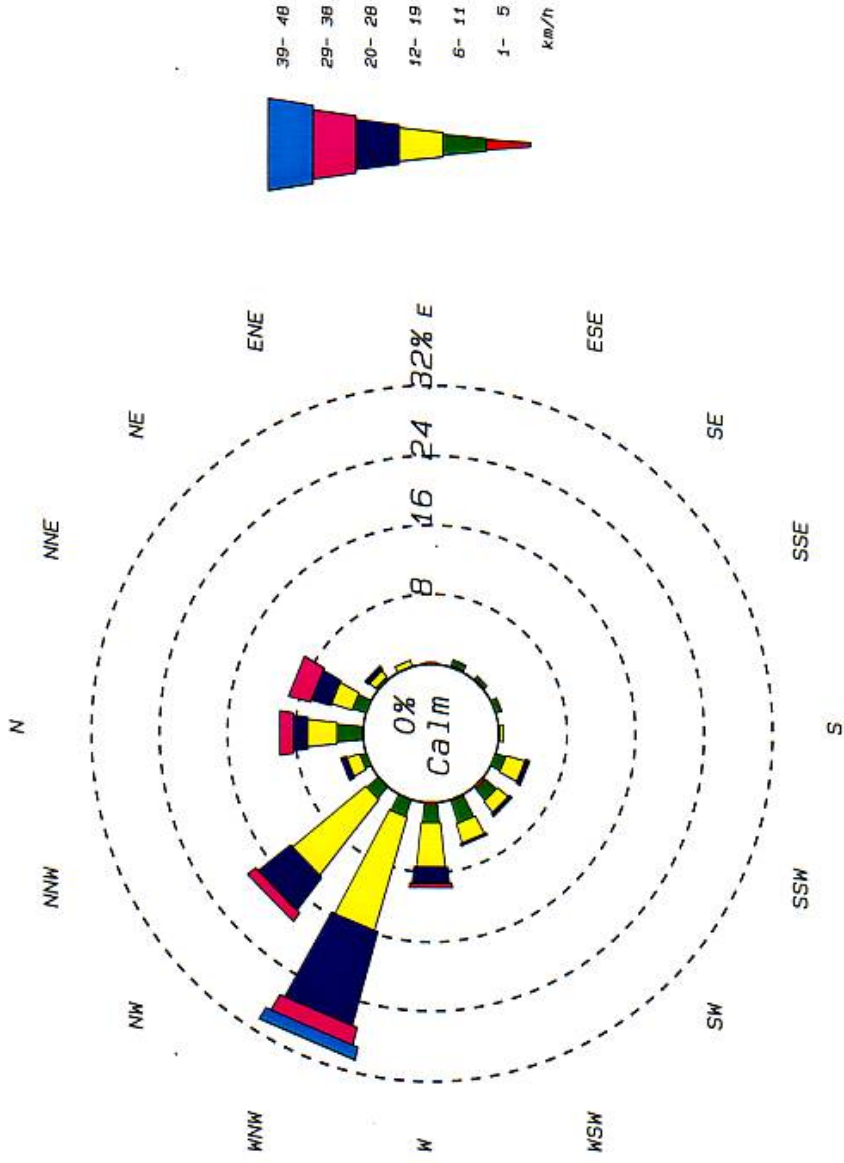
FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION
 Lafarge Canada Inc.
 Stoney Trail
 STATION 620
 JAN 2007

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	2	0	0	0	1	2	2	1	0	0	3	2	3	1	1	0	18	2
6 - 11	22	13	3	1	0	4	2	4	2	10	13	20	15	15	13	6	143	19
12 - 19	26	19	7	4	0	0	0	0	2	17	12	17	38	101	83	12	338	45
20 - 28	13	18	3	0	0	0	0	0	0	3	2	1	14	84	36	4	178	24
29 - 38	11	19	0	0	0	0	0	0	0	0	0	0	3	16	8	0	57	8
39 - 48	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	1
TOTAL	74	69	13	5	1	6	4	5	4	30	30	40	73	227	141	22	744	100
PERCENT	10	9	2	1	0	1	1	1	1	4	4	5	10	31	19	3		
AVERAGE	17	22	16	13	4	6	6	8	13	14	12	12	16	21	18	15	18	

21 FEB 2007 0959

Wind rose for JAN 2007 Stoney Trail

Bar length is proportional to frequency of winds from its direction



TRAILER TEMPERATURE
Lafarge Canada Inc.
Stoney Trail
STATION 620
JAN 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	-1	-1	-1	-2	-2	-2	-1	0	1	1	4	6	6	6	6	6	7	6	6	6	5	6	6	3	
2	6	6	6	6	6	6	6	6	6	5	6	8	10	12	11	9	8	7	6	5	4	4	3	2	6
3	1	1	0	0	0	0	1	0	0	0	2	5	7	7	6	5	3	1	0	-1	-1	0	0	1	
4	0	0	-1	-1	-1	-2	-3	-4	-4	-3	-1	2	4	5	5	2	1	1	0	-1	-2	-3	-3	-1	
5	-5	-6	-7	-9	-9	-9	-9	-9	-10	-9	-6	-4	-2	-1	-1	-1	-1	-2	-3	-3	-4	-3	-3	-2	-5
6	-1	-1	-1	-2	-2	-2	-2	-2	-1	-2	-2	-2	-1	0	1	2	1	-2	-4	-5	-5	-6	-6	-2	
7	-6	-6	-6	-5	-5	-5	-4	-4	-4	-4	-4	-2	2	3	3	4	3	3	2	1	0	0	0	-1	
8	0	0	-1	-1	-1	-2	-3	-3	-5	-5	-4	-2	-1	0	0	-1	-2	-3	-4	-5	-4	-4	-4	-3	
9	-5	-6	-7	-7	-7	-7	-7	-9	-10	-10	-7	-5	-3	-2	-1	-1	0	2	2	1	0	0	-1	-1	-4
10	0	0	-1	-5	-7	-9	-10	-12	-13	-14	-14	-14	-14	-14	-15	-16	-17	-17	-18	-19	-19	-20	-20	-13	
11	-21	-21	-22	-23	-24	-25	-25	-26	-27	-26	-23	-20	-17	-14	-13	-13	-14	-16	-18	-18	-18	-17	-16	-15	-20
12	-15	-15	-15	-15	-14	-14	-13	-13	-13	-13	-10	-8	-4	-2	-1	-1	-4	-8	-10	-11	-11	-12	-11	-10	-10
13	-9	-9	-9	-10	-10	-10	-9	-9	-9	-8	-8	-7	-7	-7	-7	-8	-9	-11	-14	-15	-16	-15	-15	-10	
14	-15	-16	-17	-17	-17	-17	-16	-15	-14	-12	-9	-6	-4	-2	0	0	-2	-5	-7	-8	-8	-8	-8	-10	
15	-8	-7	-7	-7	-6	-6	-5	-5	-5	-3	-2	0	2	3	4	4	4	2	1	1	1	1	1	2	-1
16	2	2	1	0	-1	-1	-1	-1	-2	-1	0	3	5	7	7	6	4	2	0	-2	-3	-3	-3	-1	
17	-3	-3	-3	-4	-4	-5	-5	-5	-5	-6	-5	-4	-2	0	0	0	-2	-5	-8	-10	-10	-11	-12	-13	-5
18	-14	-14	-14	-13	-12	-11	-11	-11	-11	-10	-8	-6	-2	1	1	1	0	-1	-2	-3	-4	-4	-4	-7	
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21	-9	-8	-8	-8	-9	-9	-10	-10	-10	-9	-7	-4	-2	0	1	2	3	1	0	0	0	0	0	-4	
22	1	1	2	3	3	2	2	3	3	4	4	5	5	6	6	7	7	6	4	3	2	3	3	4	
23	3	3	4	4	4	3	3	3	3	3	4	4	6	8	10	11	10	7	5	4	4	4	4	5	5
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27	-14	-14	-14	-14	-13	-13	-12	-12	-11	-9	-6	-3	2	4	6	6	5	3	2	2	2	2	2	2	-4
28	1	0	-1	-1	-2	-3	-3	-3	-4	-2	0	2	4	5	5	4	0	-4	-5	-6	-6	-6	-7	-1	
29	-7	-8	-10	-11	-12	-11	-11	-10	-9	-8	-7	-5	-3	-2	-1	-1	-1	-3	-6	-7	-8	-8	-8	-7	
30	-7	-7	-6	-4	-3	-2	-2	-2	-1	-1	-1	0	2	3	3	3	1	0	-1	-1	-2	-4	-5	-6	-2
31	-7	-9	-11	-11	-10	-10	-10	-10	-9	-9	-7	-5	-4	-2	-2	-3	-3	-4	-4	-5	-5	-6	-6	-7	
AVG	-4	-5	-5	-5	-5	-5	-5	-5	-5	-5	-3	-1	0	2	2	2	1	-1	-2	-3	-4	-4	-4	-4	
MAX	6	6	6	6	6	6	7	7	7	7	8	10	12	13	13	13	11	9	9	8	8	8	7	7	
MIN	-21	-21	-22	-23	-24	-25	-25	-26	-27	-26	-23	-20	-17	-14	-15	-16	-17	-17	-18	-19	-19	-20	-20	-20	

Percent of time operational: 100
Monthly Average: -3 Monthly Maximum: 13 M - missing data
Monthly Minimum: -27

