



April 14, 2008

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

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

Dear Coates;

Attached are results of the monitoring for the period March 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 were no exceedances 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".

Dr. William (Bill) Murray
President

WM/kt
Enc.

PROMET

MONTHLY REPORT SUMMARY

Stoney Trail

Lafarge Canada Inc.

Name/Location

Company

March 2008

Monitoring Period

| Continuous Ambient Monitoring | | | | |
|-------------------------------|--------------------|---------|---------|---|
| Parameter | % Time Operational | Average | Maximum | Number of Hours above Bylaw Limit for Industrial Area |
| Sound | 100% | 44 | 58 dB A | 0 |
| PM2.5 | 100% | 6 | 11 | 0 |
| TSP | 100% | 41 | 81 | 0 |
| Wind | 100% | 14 km/h | 39 km/h | - |
| Precipitation | 100% | - | 0 | - |
| Trailer Temperature | 100% | 2 | 16 | - |

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 [dBA] Leq 1 hour

Lafarge Canada Inc.

Stoney Trail

STATION 620

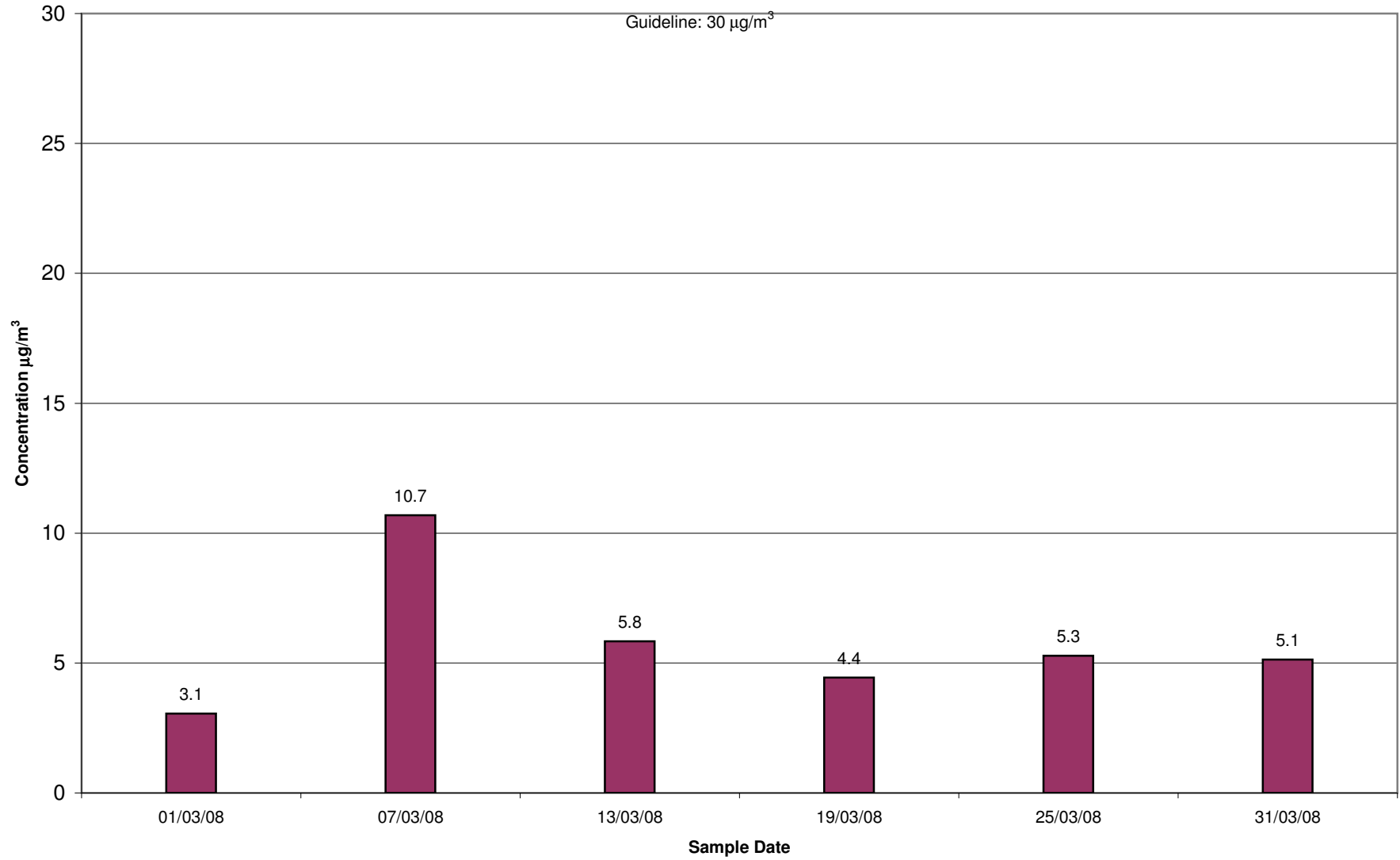
MAR 2008

| 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 | 38 | 36 | 34 | | | | | | | | | 47 | | | | | | | | | | | | | M | |
| 2 | | | 41 | | | | | 43 | 44 | 47 | 51 | 46 | 46 | | | | | | | | | 41 | | | 36 | |
| 3 | | | | | | | | | | | | | | | | | | | 47 | 46 | 46 | 44 | 50 | 42 | 34 | |
| 4 | 44 | 31 | | | | | | | | | | | | | | | | 45 | 46 | 44 | 44 | 41 | | | 32 | |
| 5 | 42 | 50 | 46 | 42 | | | | | | | | | | 46 | 49 | 47 | 47 | 46 | 47 | 44 | 41 | 38 | 41 | 44 | 41 | |
| 6 | 47 | 48 | 45 | 39 | 58 | 44 | 48 | 46 | 49 | 47 | 42 | 46 | 39 | | | | | | | | | | | | 42 | |
| 7 | | | | | | | | | | | | | | 49 | 40 | | | | | 45 | 48 | 45 | 45 | 47 | 43 | 36 |
| 8 | 41 | 39 | | | | | | | | | | | 51 | 51 | 50 | 44 | 46 | 44 | 44 | 40 | | | 40 | | 39 | |
| 9 | | | | | | 37 | 39 | 42 | 40 | 45 | | | | 37 | 42 | | | | | | | | | | 30 | |
| 10 | | | | | 44 | 41 | 44 | 47 | 44 | 40 | | | | | | | | | | 43 | | | | | 33 | |
| 11 | | | | | | | | | | | 38 | | | | | | | | | | | | | | M | |
| 12 | | | | | | | | | | | | | | | | | | | | | 43 | | 43 | 45 | 19 | |
| 13 | 44 | 45 | 46 | 39 | 40 | 50 | 55 | 50 | 55 | | | | | 41 | 43 | | | | | | | | 42 | 40 | 42 | |
| 14 | | | | | | 44 | 47 | 48 | | | | | | | | | | | | | | | | 41 | 30 | |
| 15 | 40 | 34 | 38 | 40 | 40 | 43 | 39 | 42 | 47 | 45 | 49 | 43 | 47 | 48 | 43 | 43 | 46 | 48 | | | | | | | 41 | |
| 16 | | | | | | | | | | 37 | 44 | 55 | | | | | | | | | | | | 40 | 39 | 32 |
| 17 | | | | | | | | | | | | | | | | | | | | | | 41 | | | M | |
| 18 | | 34 | 28 | 45 | 43 | 46 | 53 | 52 | 47 | 49 | 44 | 40 | 38 | 38 | 45 | | | | | | 43 | 46 | | | 42 | |
| 19 | | | | | | | | | | | 47 | 45 | 47 | 38 | 38 | | 37 | 38 | 40 | 43 | 39 | 38 | 38 | 43 | 36 | |
| 20 | 37 | 35 | | | | | 48 | 49 | 47 | 47 | 45 | 47 | 46 | 39 | 45 | | | 36 | 37 | | | | | | 39 | |
| 21 | 37 | 32 | 33 | | | | | | | | | | | | 44 | 46 | 46 | | 47 | 44 | 48 | 44 | 37 | 35 | 37 | |
| 22 | | | | | | | | | | | 46 | 41 | 43 | | | | | | 37 | 44 | | 36 | 37 | 43 | 32 | |
| 23 | 32 | 32 | 32 | 27 | 30 | 31 | 37 | 41 | 39 | 43 | 43 | | | 40 | | | | | | | | | | | 31 | |
| 24 | | 32 | | | | | | | | | | | | | | | | | | | | | | | M | |
| 25 | | | | | | | | | | | 44 | | | | | | | | | | 45 | 44 | 35 | 31 | 28 | |
| 26 | 30 | 37 | 30 | | | | | 46 | | 42 | 48 | 40 | 48 | 39 | | 39 | | | | 43 | | | 40 | 40 | 36 | |
| 27 | | | | 40 | 41 | 43 | 51 | 53 | 45 | 46 | | | | | | | | 47 | 45 | | 48 | 48 | 44 | 38 | 41 | |
| 28 | 34 | 32 | 38 | 50 | 49 | 49 | | | | | 45 | 43 | 46 | 43 | 46 | 41 | | | | | | | | | 39 | |
| 29 | 46 | 47 | 39 | | 39 | 42 | | | | | | | | | | | | | | | | | | | 30 | |
| 30 | | | 36 | 38 | | 39 | 40 | 36 | 39 | 39 | 41 | 48 | 49 | 36 | 47 | | 44 | 38 | 39 | 42 | 43 | 45 | 37 | 34 | 40 | |
| 31 | 35 | 35 | 36 | 33 | 38 | 41 | 49 | 49 | 43 | | 40 | 38 | 41 | | | | 42 | 40 | 41 | 40 | 39 | 36 | 35 | 38 | 39 | |
| AVG | 40 | 40 | 39 | 41 | 45 | 43 | 48 | 47 | 46 | 44 | 45 | 46 | 46 | 43 | 45 | 43 | 45 | 43 | 43 | 44 | 44 | 42 | 41 | 40 | | |
| MAX | 47 | 50 | 46 | 50 | 58 | 50 | 55 | 53 | 55 | 49 | 49 | 55 | 51 | 51 | 50 | 47 | 47 | 48 | 47 | 48 | 48 | 45 | 50 | 45 | | |
| MIN | 30 | 31 | 28 | 27 | 30 | 31 | 37 | 36 | 39 | 37 | 38 | 40 | 38 | 36 | 38 | 39 | 37 | 36 | 37 | 40 | 39 | 36 | 35 | 31 | | |

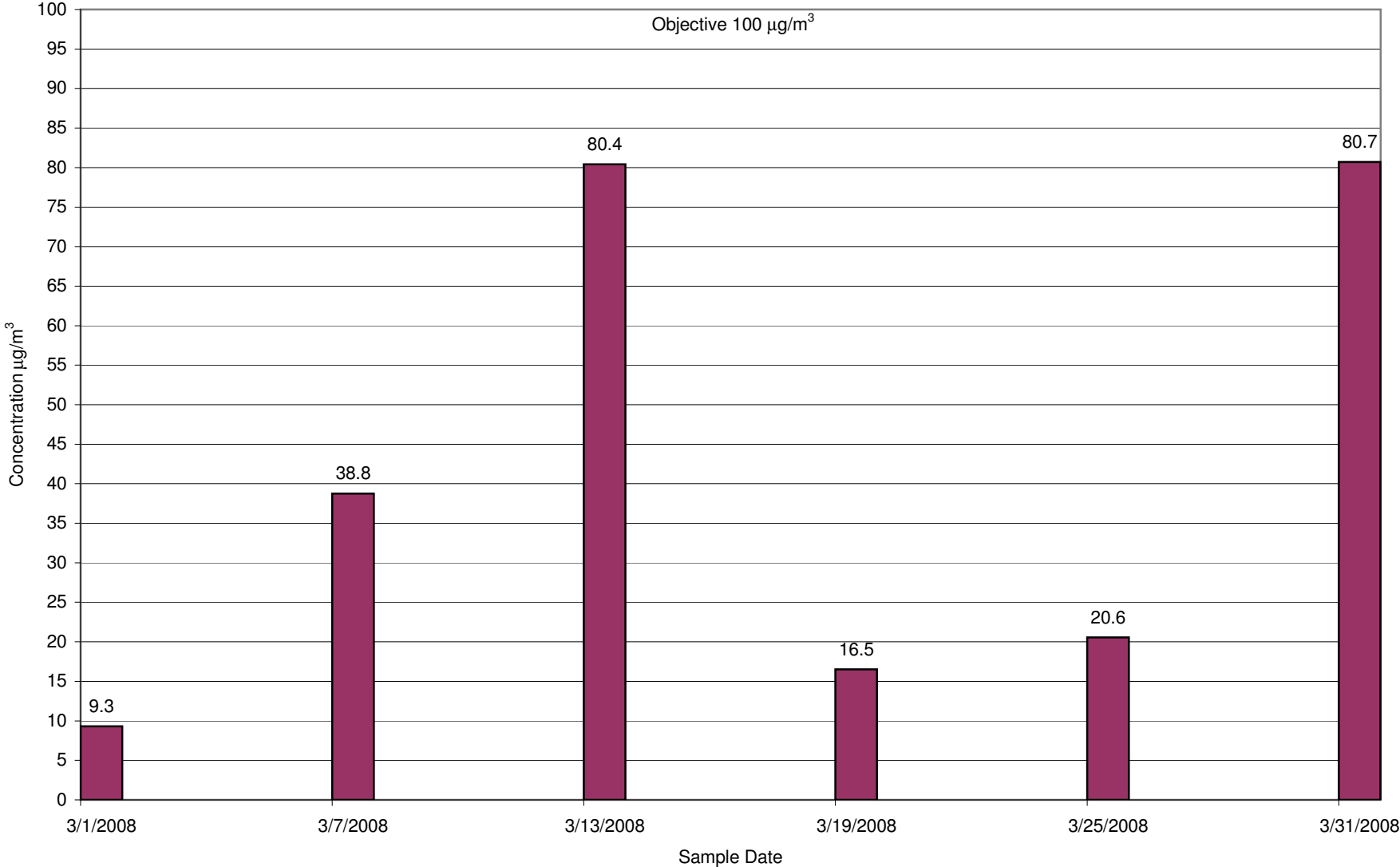
*** SOUND DATA REPORTED ONLY FOR WIND SPEED < 11.5 KM/H ***

Percent of time operational: 100
 Monthly Average: 44 Monthly Maximum: 58 Monthly Minimum: 27
 M - missing data C - Calibration
 *** 0 Exceedances of Guideline***

PM2.5 at Lafarge Stoney Trail March 2008



TSP at Lafarge Stoney Trail, March 2008



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION

Lafarge Canada Inc.

Stoney Trail

STATION 620

MAR 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 | 4 | 4 | 2 | 3 | 1 | 2 | 0 | 2 | 3 | 4 | 5 | 1 | 1 | 1 | 3 | 2 | 38 | 5 |
| 6- 11 | 10 | 16 | 14 | 16 | 6 | 8 | 16 | 20 | 18 | 16 | 28 | 28 | 22 | 29 | 22 | 15 | 284 | 38 |
| 12- 19 | 21 | 13 | 9 | 12 | 11 | 6 | 17 | 26 | 25 | 7 | 5 | 12 | 65 | 73 | 10 | 13 | 325 | 44 |
| 20- 28 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 13 | 43 | 10 | 3 | 2 | 85 | 11 |
| 29- 38 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 11 | 1 |
| 39- 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| TOTAL | 40 | 36 | 27 | 31 | 18 | 16 | 33 | 50 | 49 | 27 | 38 | 56 | 140 | 113 | 38 | 32 | 744 | 100 |
| PERCENT | 5 | 5 | 4 | 4 | 2 | 2 | 4 | 7 | 7 | 4 | 5 | 8 | 19 | 15 | 5 | 4 | | |
| AVERAGE | 14 | 12 | 11 | 11 | 13 | 10 | 12 | 12 | 13 | 9 | 9 | 15 | 18 | 15 | 11 | 12 | 14 | |

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Wind rose for MAR 2008
Stoney Trail

Bar length is proportional to frequency of winds from its direction

