



MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

July 2016

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	44	59	0
PM2.5 $\mu\text{g}/\text{m}^3$	100%	11.0	20.7	0
TSP $\mu\text{g}/\text{m}^3$	100%	30.5	52.5	1
Wind Speed km/h	100%	10	22	-
Precipitation mm	100%	-	13.4	-
Trailer Temperature	100%	18	31	-

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

COMMENTS:

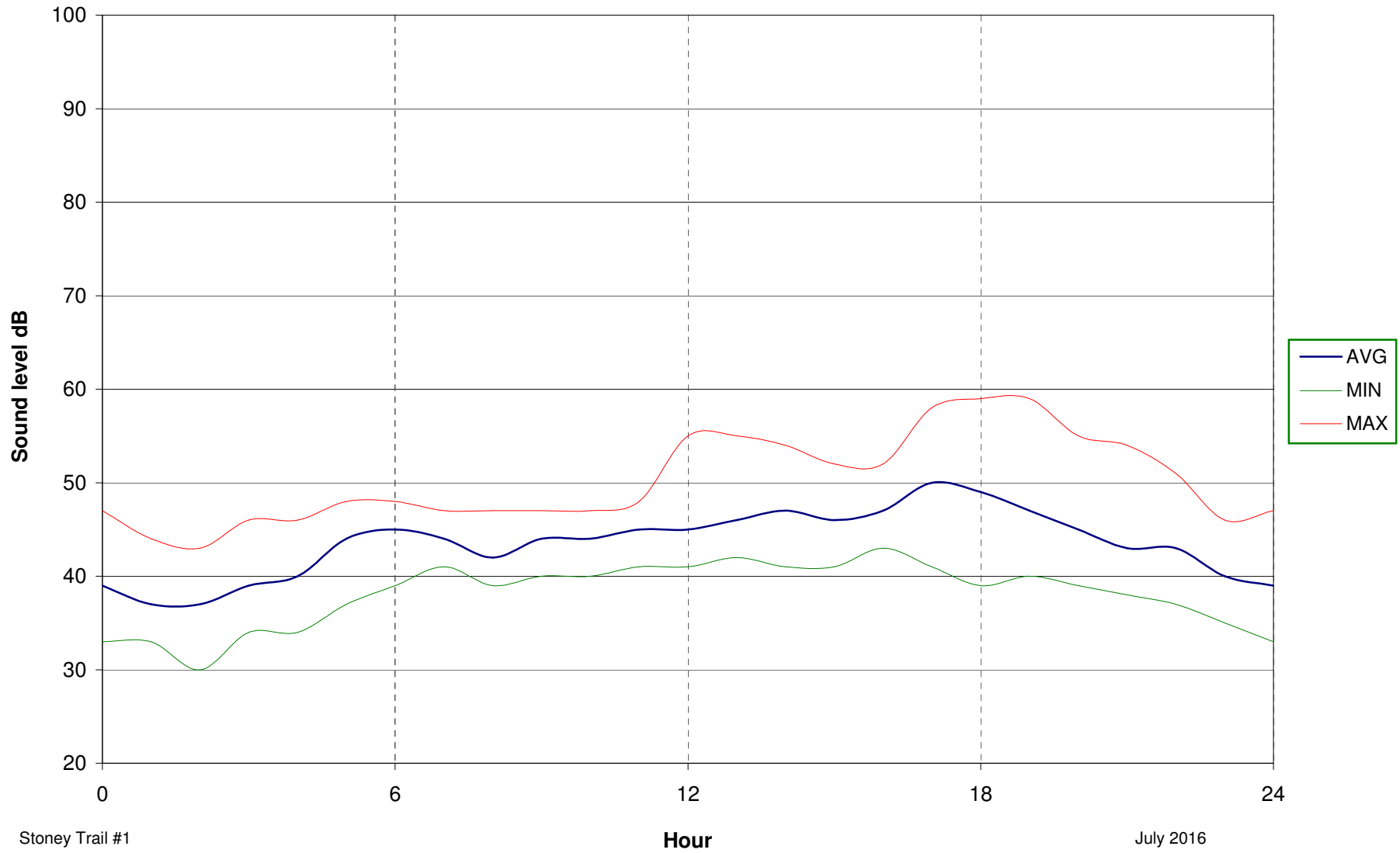
The regulation for industrial areas is 85 dB A any time.

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

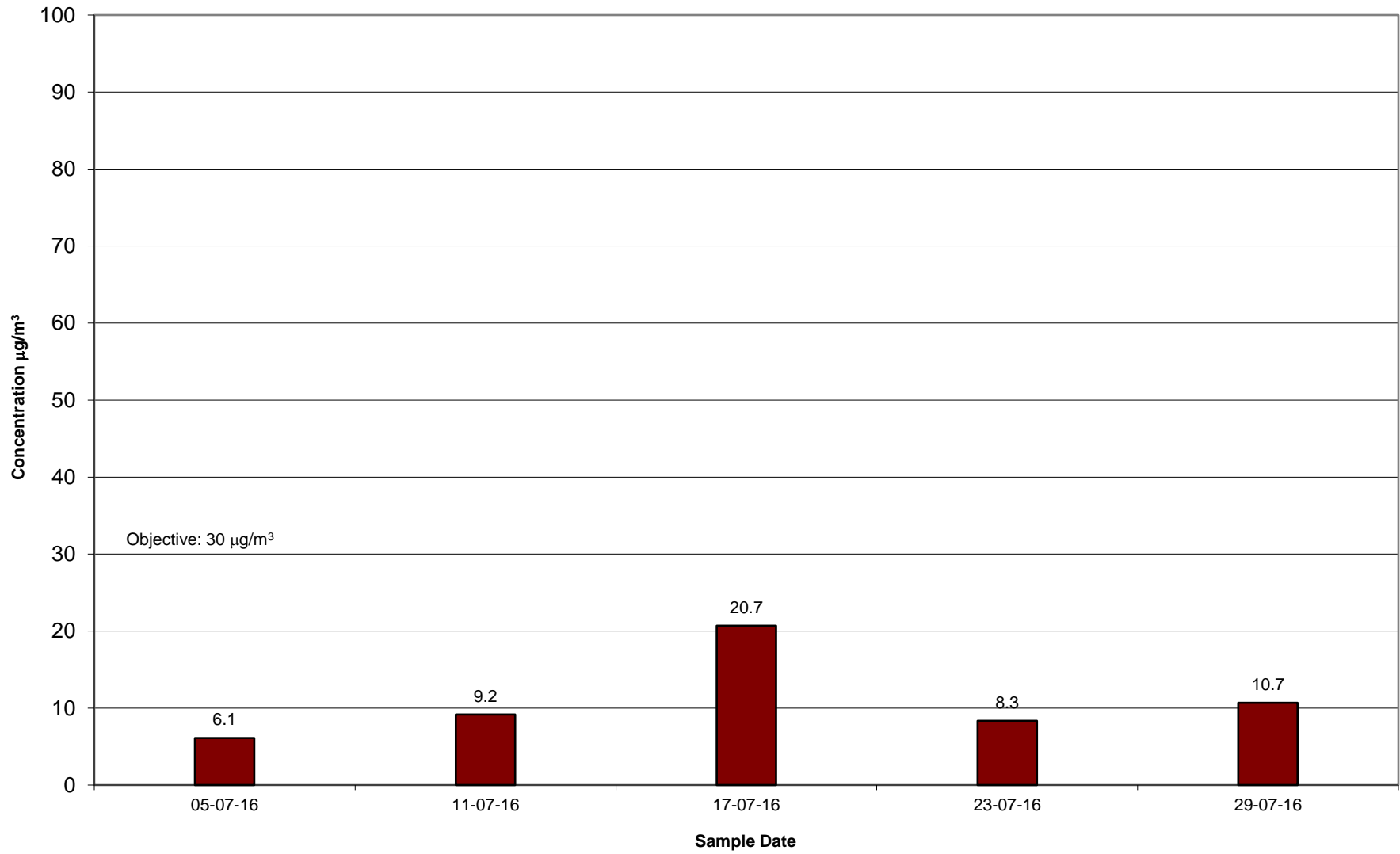


Stoney Trail #1

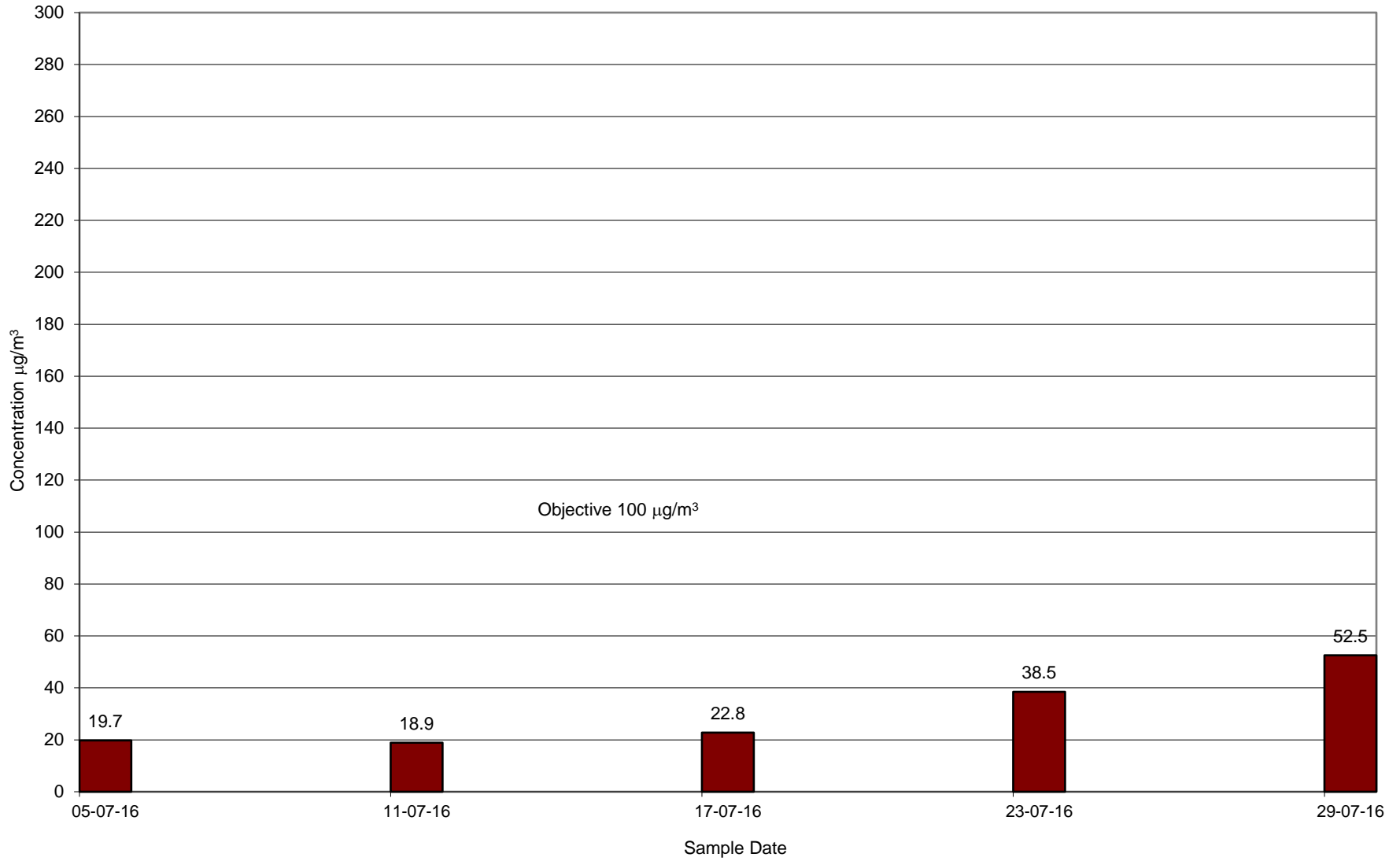
Hour

July 2016

PM2.5 at BLV Group Stoney Trail #1 July 2016

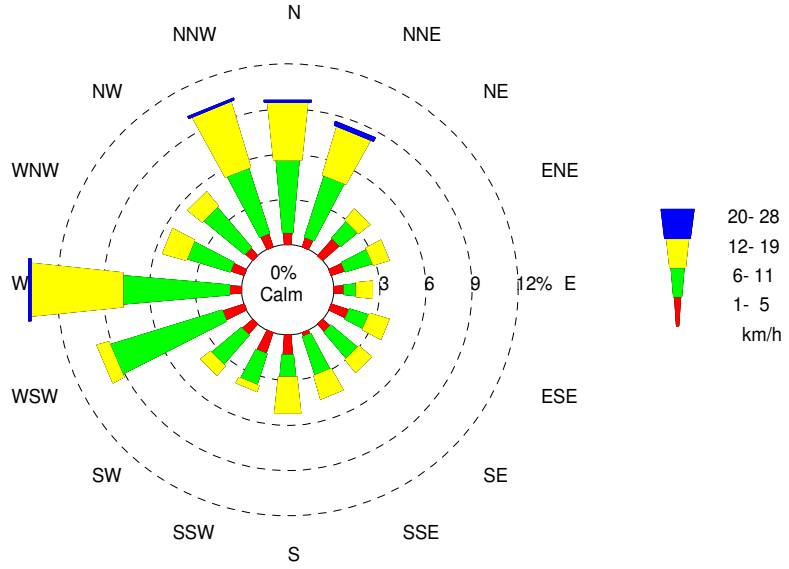


TSP at BLV Group Stoney Trail #1 July 2016



Wind rose for JUL 2016
Stoney Trail 1

Bar length is proportional to frequency of winds from its direction



ABSTRACT OF THE WIND
Lafarge Canada Inc.
Stoney Trail 1
STATION 620
JUL 2016

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

MEAN
SPEED 9 10 9 9 9 9 9 9 9 10 11 10 11 11 12 13 12 12 12 10 10 9 8 8 10 22 W 0
NOTE: Missing data represented by M; no clear prevailing direction represented by SVL; calm winds represented by CALM
WS UPTIME 100 % WD UPTIME 100 %

Date of Last Calibration 060221 Make and Model of Instrument: RM Young5103
FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION
Lafarge Canada Inc.
Stoney Trail 1
STATION 620
JUL 2016

SPEED [km/h]	WIND DIRECTION																TOTAL	PCT								
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW										
< .5																									2	0
1- 5	6	5	11	7	5	9	5	2	10	11	7	11	6	7	5	7	114	15								
6- 11	36	32	11	14	6	10	17	20	11	16	19	57	52	22	26	34	383	51								
12- 19	29	25	7	8	8	10	8	12	18	3	6	6	45	12	9	34	240	32								
20- 28	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	5	1								
TOTAL	72	64	29	29	19	29	30	34	39	30	32	74	104	41	40	76	744	100								
PERCENT	10	9	4	4	3	4	4	5	5	4	4	10	14	6	5	10										
AVERAGE	11	11	9	9	10	9	10	10	10	8	9	8	11	10	9	11	10									

TRAILER TEMPERATURE
Lafarge Canada Inc.
Stoney Trail 1
STATION 620
JUL 2016

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

Percent of time operational: 100
Monthly Average: 18 Monthly Maximum: 31 Monthly Minimum: 8 M - missing data