



MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

November 2016

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	44	58	0
PM2.5 $\mu\text{g}/\text{m}^3$	100%	5.1	7.4	0
TSP $\mu\text{g}/\text{m}^3$	100%	25.7	47.8	0
Wind Speed km/h	100%	10	28	-
Precipitation mm	100%	-	0.8	-
Trailer Temperature	100%	4	22	-

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

COMMENTS:

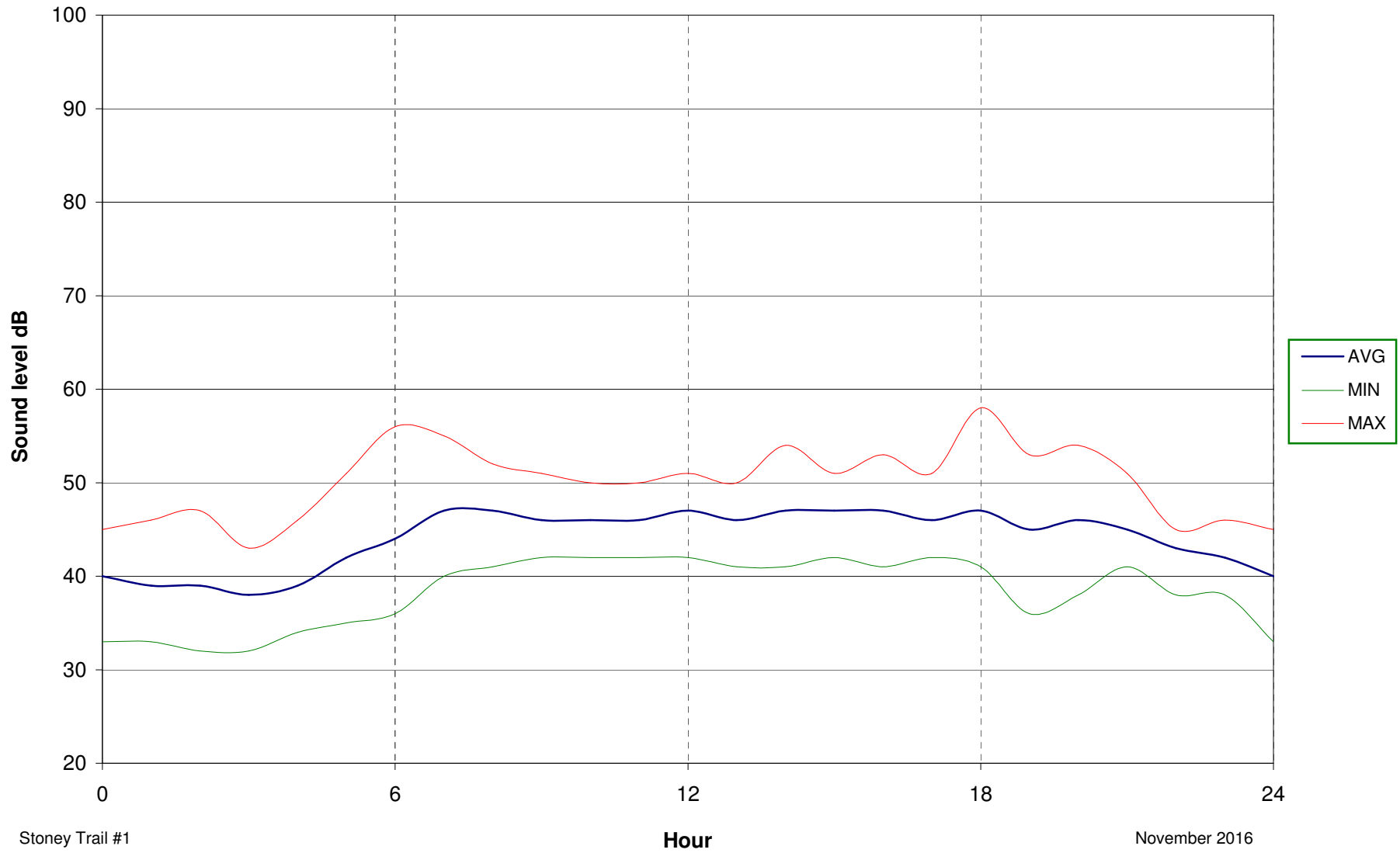
The regulation for industrial areas is 85 dB A any time.

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

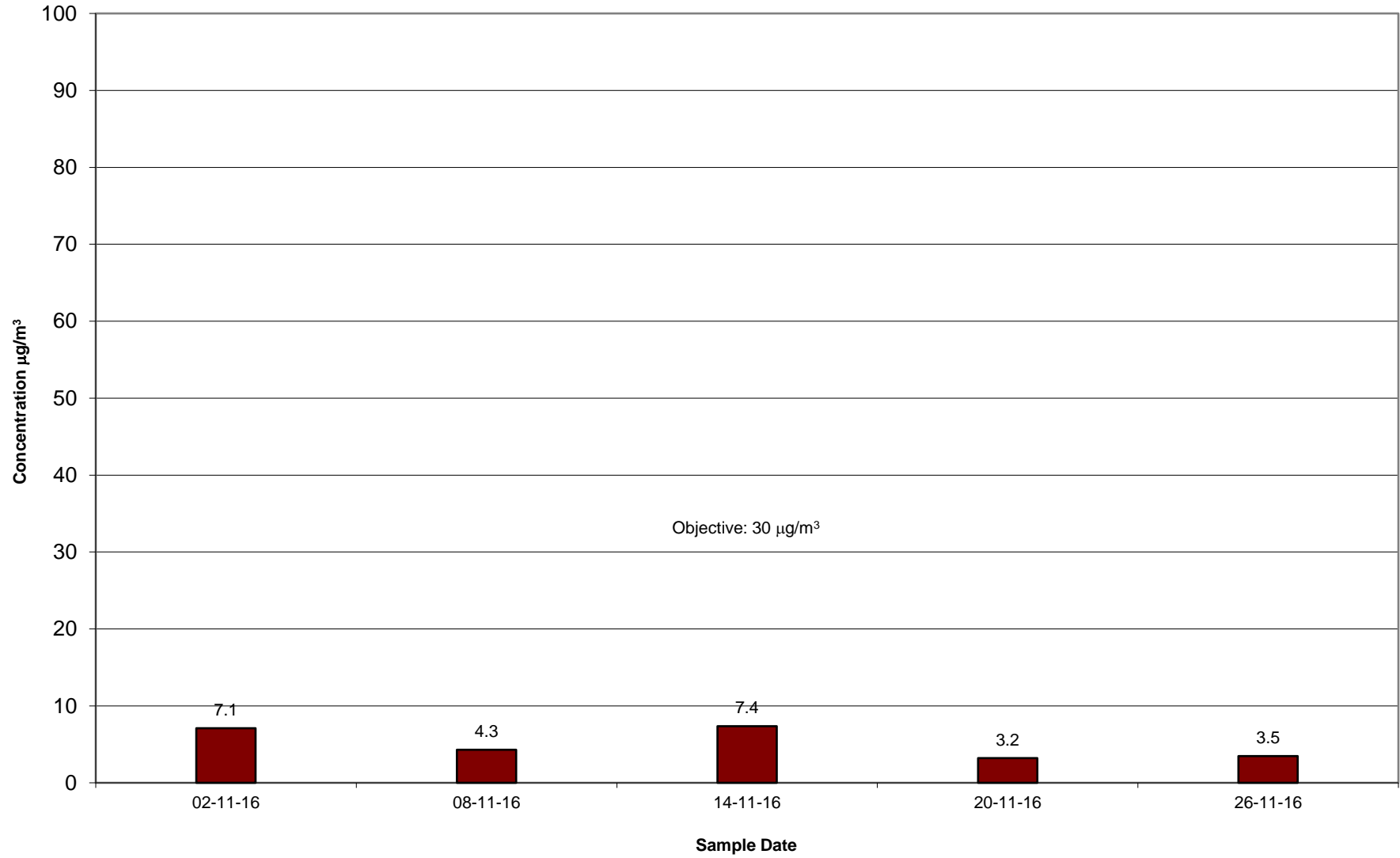


Stoney Trail #1

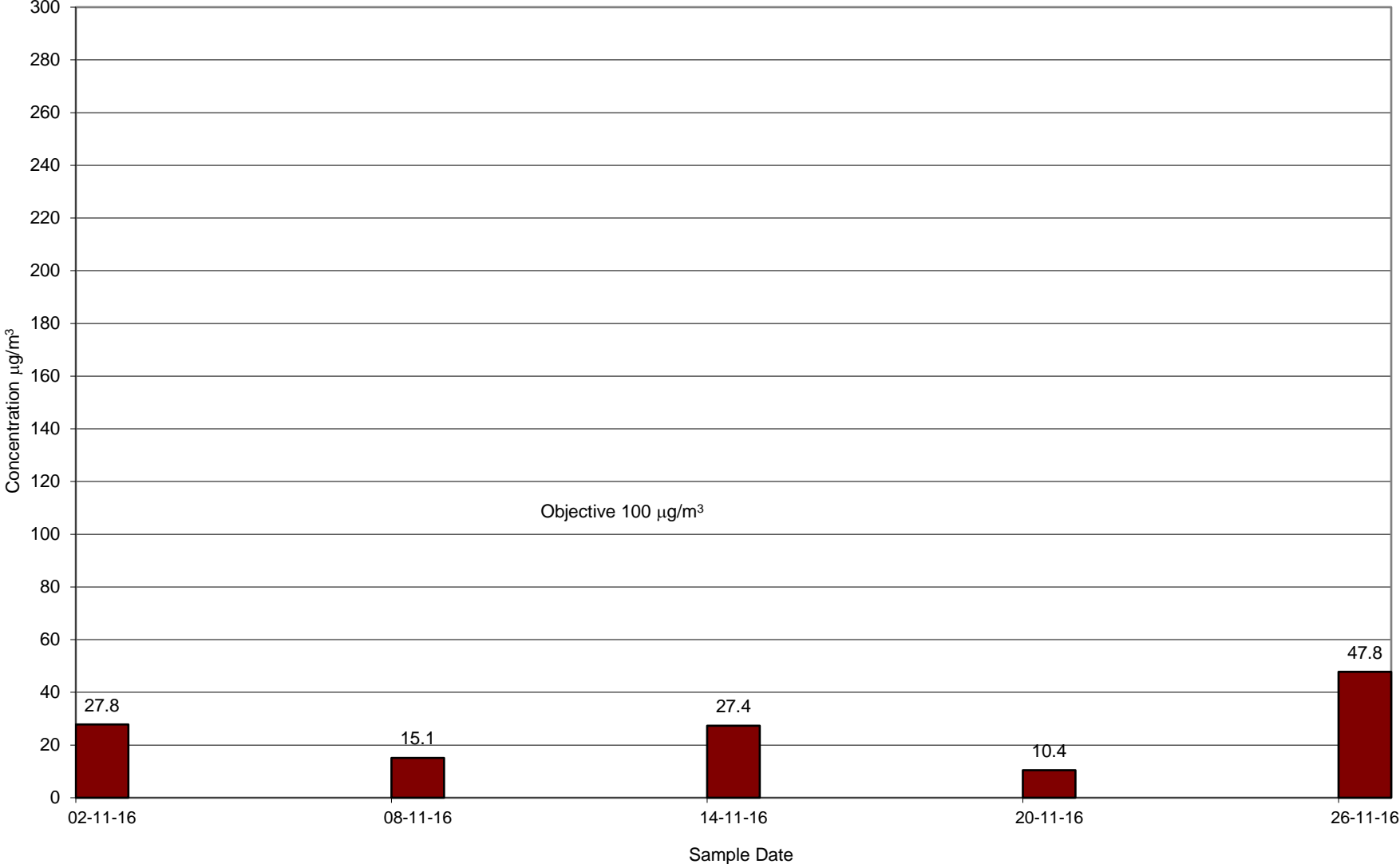
Hour

November 2016

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

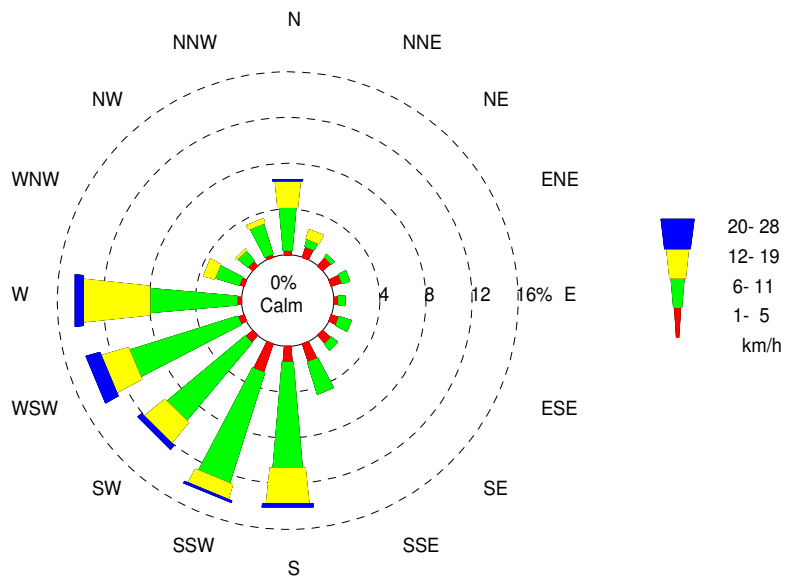


TSP at BLV Group Stoney Trail #1 November 2016



Wind rose for NOV 2016
Stoney Trail 1

Bar length is proportional to frequency of winds from its direction



SOUND LEVEL [dBA] Leq 1 hour
 Lafarge Canada Inc.
 Stoney Trail 1
 STATION 620
 NOV 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	42	43				43	43	46	44	47	47		C	48	49	50	49	48	49	45	43	41	41	44	46	
2	45	43	40	41	42	48			47	48	48	48	47	47	46	46			46	46	47				42	46
3	41	41	39	35	38		56															42	41	40	44	
4	42	46	42	40	38	41	44	48	47	47	46	47	48	42	42	46	47	45	43	43	43	43	43	41	44	
5	41	38	38	37	34	37	42		43	42	42	44	47	47	45	42	43	44	41	42	44	42	43	40	42	
6	38	41	38	38	35	39	39		40	42							45	45	43	42	44	43	42	41	41	
7	40	40	37	37	38			48	49	49	47	46					46				45	45	45	42	45	
8	45		37	38	44	43	45	47	48							48	46	44	43	45	44		45	43	44	
9	42	40	44	38	41	43		47	44	44	46	46	47				46	48	46	45	47	45	45	43	45	
10	37	37	39	41	46	51		55																44	46	
11	41	38	38	39	39	41	40	41	41	44	43	42	42	41	43	44	43	42	42	41	44	42	45	46	42	
12	41	42	37	34	38	35	36	43	48	44	47	48	48	47	46							45	39	41	43	
13	41	38	35	36	34	36	36									49	42	44	43		45			43	41	
14		36	38									44					46	46	45	44	46	48	45	44	44	
15	37	37	36	34	35	40	44	46	49	48		50	48		54		50	46	41	36	38	43		45		
16	36							44	43	43	42	43	42	41	43	41	42	45	42	44	46	42	42	43	43	
17	40	33		33	37	37	43	43	46	45	43	45	45	44	45	45	43	43	43	45	45	45	38	40	43	
18	40						46				46	48	48			51	51	52	50	48	44	41	40	47	47	
19	39	41		40	40	40	42	43	44	44	42	42	43	44	43	47	47	46	44	45	45	45	43	42	43	
20	42				40	40	40	42	42	45	46	47	49	47	47	48	47	48	48	47	45	44	44	40	45	
21	38	36	36		35											46						41	38	39	39	
22	35	34	38	38	39	48	48	48	52		49	47	46	46	47	50	53		58	53	54	51	44	44	48	
23	42	40	47	42	42	43	42	42	47		44	43	44	44	43	43	46	47	46	44	44	44	44	44	44	
24	36	34				44	50	52	46					45	46	51		47	46	47	49	51	43	44	47	
25	40	44	40	43	36	40														44	43	42	40	43	42	
26	42	42	42	40	43	44	49	49			50				48	47	46	46	46	46	44	43	42	42	41	45
27	40	37	35	34	35	35	39	40	44	45	46					44	43	44				45	43		41	
28		36	34	32	37	36	44	49	46	45	44	44	46	46	46	48	46	44	46	43	45	41	40	42	44	
29	33	33	32	33	37	39	45	49	47	44	46	46	47	46	46	46	46	51	53	52	51	47	43	42	46	
30	41	40	44	40	41	44	48	51	51	51	49	49	49	50	48	48	49	48	46	42	46	45	45	43	47	
AVG	40	39	39	38	39	42	44	47	47	46	46	46	47	46	47	47	47	46	47	45	46	45	43	42	42	
MAX	45	46	47	43	46	51	56	55	52	51	50	50	51	50	54	51	53	51	58	53	54	51	45	46	46	
MIN	33	33	32	32	34	35	36	40	41	42	42	42	42	41	41	42	41	42	41	36	38	41	38	38	38	

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

Percent of time operational: 100 M - missing data
 Monthly Average: 44 C - Calibration
 Monthly Maximum: 58
 Median: 43.6
 Monthly Minimum: 32
 *** No Exceedances of Guideline ***

SOUND METER CALIBRATIONS

DATE	TIME	STANDARD	RESPONSE	ERROR
NOV 1, 2016	12	94.0	93.8	-.2

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

Percent of time operational: 100
 Monthly Average: 4 Monthly Maximum: 22 Monthly Minimum: -11
 M - missing data