



June 15, 2008

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

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

Dear Mr. Thurber;

Attached are results of the monitoring for the period May 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". 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

May 2008

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Bylaw Limit for Industrial Area
Sound	100%	45	61 dB A	0
PM2.5	100%	15	29	0
TSP	100%	33	64	0
Wind	100%	15 km/h	35 km/h	-
Precipitation	100%	-	2	-
Trailer Temperature	100%	12	30	-

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

MAY 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	39	35	42	41	39	53	50	50	48	C	47	41	45	46	46	44			45					41	43	
2	36	35	40	50	41	51	50	50	53																39	
3				49	37		43	44												42	47	42	43	41	35	
4	36	31	36								51	43	48							43	48	47	40	39	37	
5	40	35	31											47	47	48		42	43	44					35	
6							48	45	48	45				48					47	50	46	40	39	38	39	
7	35	35	50	36	41	47	50	51	46	42															38	38
8	37	38																								M
9											51	43	52	43	45	45	42	47	49	38	43	40			40	
10										49	47	44	46									47			33	
11		36	38	38	38	42	41	42																	29	
12																			47	40	46	43	38		30	
13			33	35	40	44	46																		28	
14						43	50	49	53	45	48	45							47		46		38	40		
15	33																								M	
16											47							47							19	
17					37	39	41	44	45										47	43			43	40	34	
18	37	34											44	47									41	36	29	
19		36		34	37	40	45	48	42	47								42	42	42	40	40	37	39	37	
20	34	33	33	34	40	45	56	51	49														39		38	
21																									M	
22																			43	42	49	45	41	38	32	
23	37	37																44	44	51	48				33	
24																									M	
25																					47	41	37	34	19	
26	32	31	32	35	36	41														42		39	37	28		
27	35	32	61	38	40																				35	
28																									M	
29			41				48	50	45	47	44	48	46	47	47	46	48					47	45	43	42	
30	43	40	49	40	40		50			43	51							47		44	45	46	45	42	41	
31													47	47											31	
AVG	37	35	46	41	39	46	48	48	49	46	49	43	48	46	46	46	44	45	45	45	46	44	41	39		
MAX	43	40	61	50	41	53	56	51	53	49	51	45	52	48	47	48	46	48	49	51	49	47	45	44		
MIN	32	31	31	34	36	37	39	41	42	42	45	41	44	43	45	44	42	42	42	38	40	40	37	34		

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

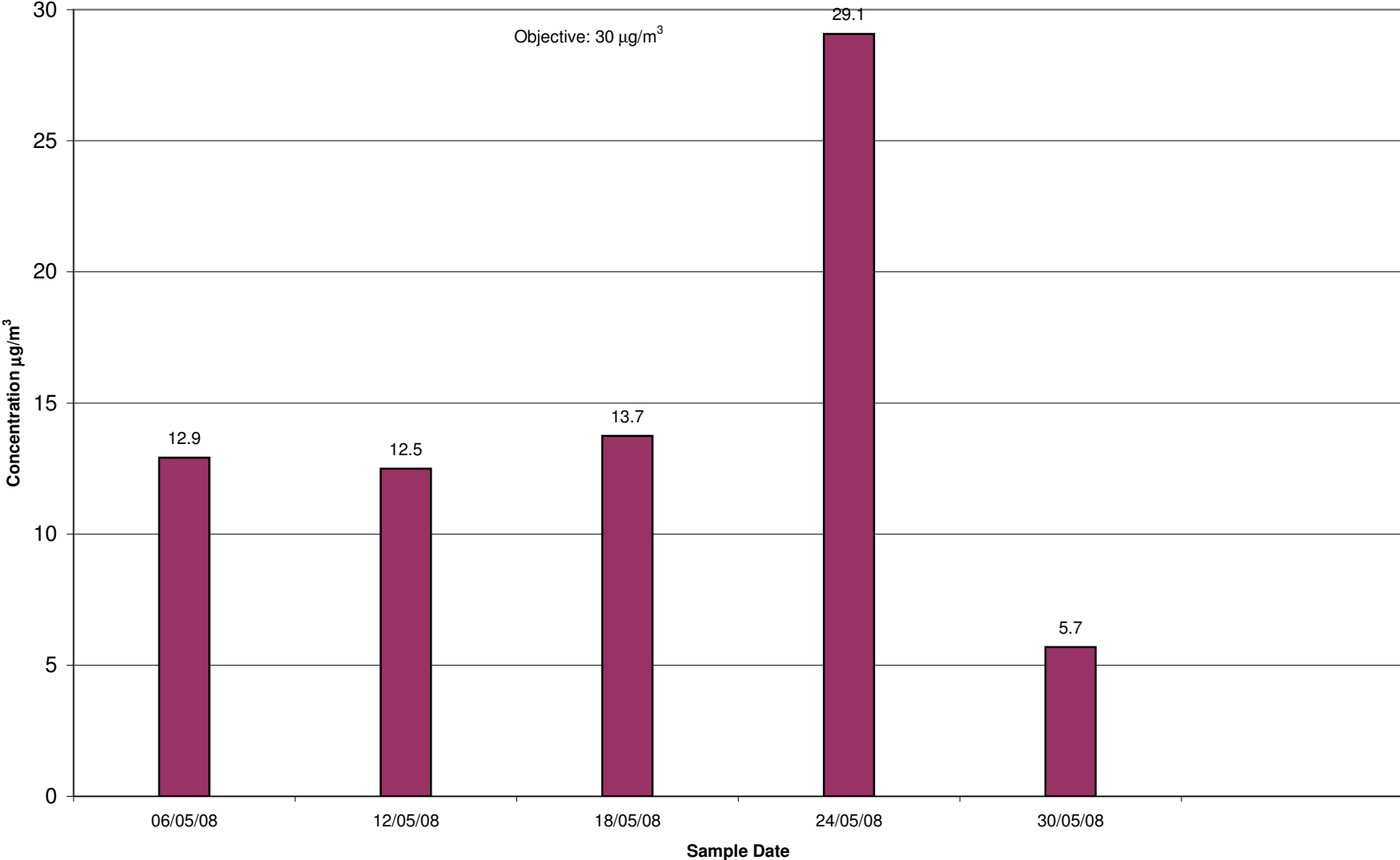
Percent of time operational: 100

M - missing data C - Calibration

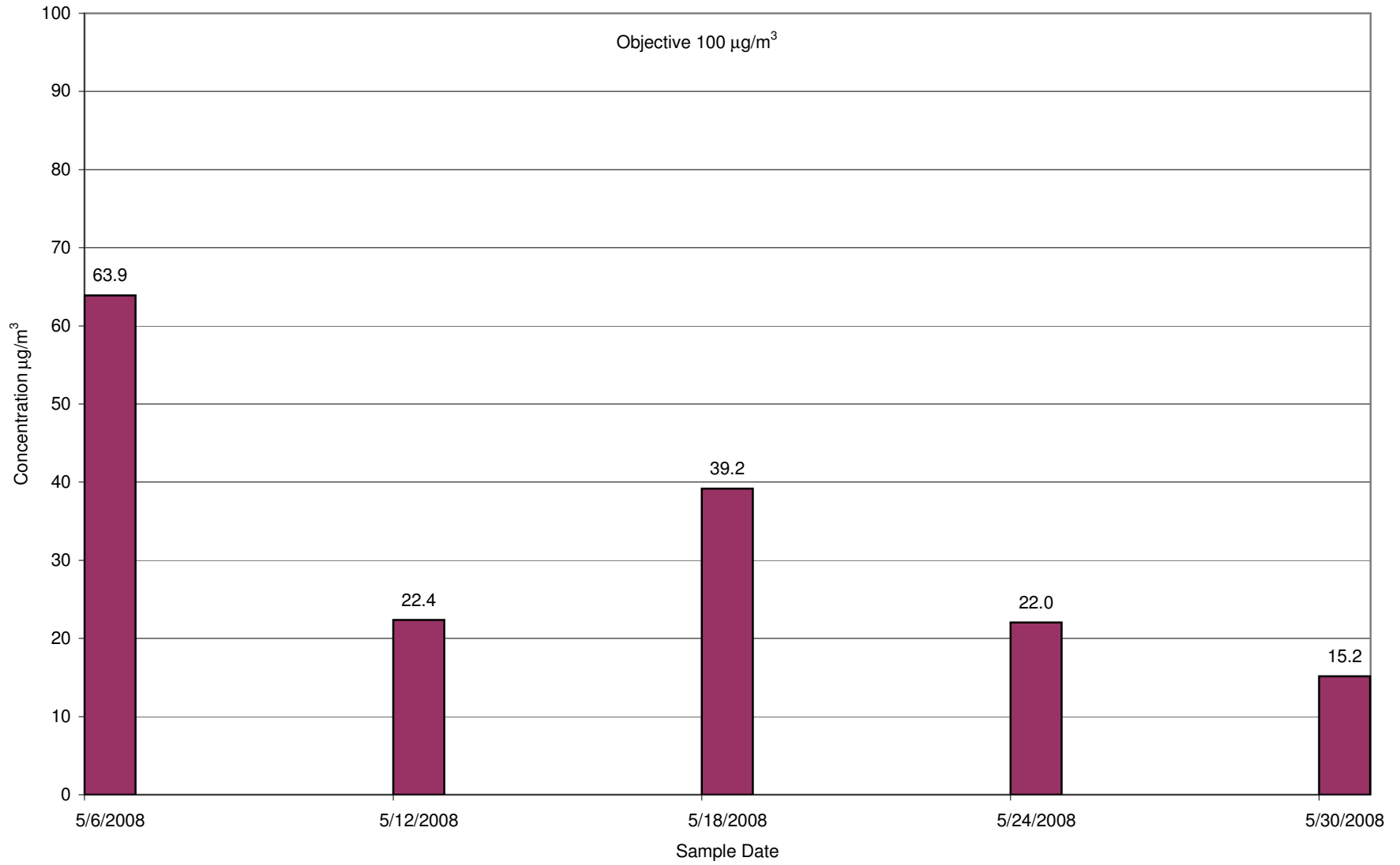
Monthly Average: 45 Monthly Maximum: 61 Monthly Minimum: 31

*** 0 Exceedances of Guideline***

PM2.5 at Lafarge Stoney Trail May 2008



TSP at Lafarge Stoney Trail, May 2008



FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION
 Lafarge Canada Inc.
 Stoney Trail
 STATION 620
 MAY 2008

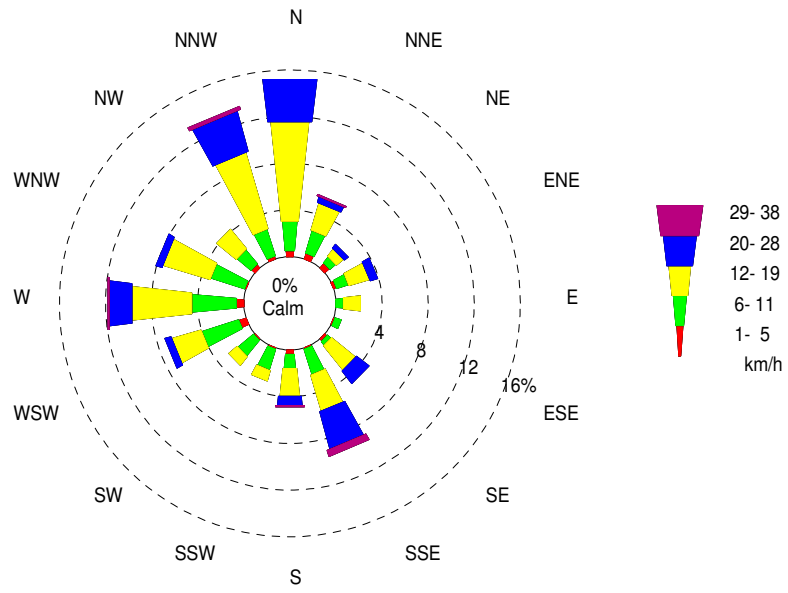
SPEED [km/h]	WIND DIRECTION																TOTAL	PCT
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
< .5																	0	0
1- 5	4	4	4	2	0	1	2	1	3	1	1	5	5	1	3	2	39	5
6- 11	19	15	5	8	5	4	3	17	9	14	13	25	29	23	12	18	219	29
12- 19	64	18	6	14	11	0	20	24	18	7	7	20	39	32	16	51	347	47
20- 28	27	4	3	5	0	0	10	25	6	0	0	4	15	4	0	27	130	17
29- 38	0	1	0	0	0	0	0	4	1	0	0	0	1	0	0	2	9	1
TOTAL	114	42	18	29	16	5	35	71	37	22	21	54	89	60	31	100	744	100
PERCENT	15	6	2	4	2	1	5	10	5	3	3	7	12	8	4	13		
AVERAGE	16	14	13	14	13	8	16	18	15	10	10	12	14	13	12	17	15	

15 JUN 2008 0118

Wind rose for MAY 2008

Stoney Trail

Bar length is proportional to frequency of winds from its direction



PRECIPITATION [mm]
 Lafarge Canada Inc.
 Stoney Trail
 STATION 620
 MAY 2008

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	1
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
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
4	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
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
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
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4
8	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
9	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
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
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
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
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
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
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
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
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
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
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
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
21	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
24	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	6
25	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
26	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	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
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
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
30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
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
TOTL	0	1	2	1	1	2	2	2	2	2	1	2	0	1	1	1	1	1	2	1	1	2	2	1	1
MAX	0	0	1	1	1	2	1	1	1	1	0	1	0	1	1	1	0	0	1	1	0	1	1	1	1

Percent of time operational: 100
 Monthly Total: 31 Maximum in an hour: 2
 Year to Date: 44 M - missing data

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

Percent of time operational: 100
Monthly Average: 12 Monthly Maximum: 30 M - missing data
Monthly Minimum: 0