

## March 2017 Dust Monitoring Register



Air Monitoring for Solid Particles is conducted monthly - Units of measure: g/m2/month

Contractor	Location	Sample Name	Sample Number	Sample Comments	Sampling Days	Sample Volume (L)	Target Total Suspended Solids (g/m2/month)	Total Suspended Solids (g/m2/month)	Comments
Shamrock	Woombah Woods Caravan Park	Woombah Woods Caravan Park	F8004/2		32	1.3	<4	2	
Shamrock	Iluka Road site SCE IRAF W01	Iluka Road site SCE IRAF W01	F8004/4		32	1.27	<4	1.5	
Shamrock	Messer property control - Pac Hwy NE of site	Messer property control - Pac Hwy NE of site	F8004/3		32	1.27	<4	1.2	
Shamrock	Leslie property control - Old Pac Hwy Woombah	Leslie property control - Old Pac Hwy Woombah	N/A		22	5.4	<4	8	<ul style="list-style-type: none"> <li>• The Leslie Control gauge is located approximately 500m south east of the site on the eastern side of the highway and with a medium to tall vegetation buffer in-between.</li> <li>• Regular very short grass mowing is regularly carried out at the Leslie Control gauge site.</li> <li>• Vegetation clearing &amp; demolition activities nearby to the west.</li> <li>• The gauge on site is below the threshold level.</li> <li>• No noticeably overly dusty work activities were recorded as being undertaken on site during the exposure period.</li> <li>• No known public complaints were received regarding dust generation.</li> <li>• No analysis has been made of wind/ weather conditions during the period.</li> </ul>
Shamrock	McAndrews Lane No.1 Control SE	McAndrews Lane No.1 Control SE	N/A		29	5.4	<4	2	
Shamrock	McAndrews Lane No.2 Base/Construction NW	McAndrews Lane No.2 Base/Construction NW	N/A		29	4.63	<4	1.5	
Shamrock	McAndrews Lane No.3 Base/Construction NE	McAndrews Lane No.3 Base/Construction NE	N/A		29	5.07	<4	6.7	<ul style="list-style-type: none"> <li>• Dust gauges were not installed &amp; are not managed by SCE.</li> <li>• SCE construction activities included fill deliveries under dry conditions, however a water truck was operational on site for the entire period to minimise dust generation.</li> <li>• The</li> <li>• No known public complaints were received regarding dust generation.</li> <li>• Council were observed grading Sartories Lane and 4WD vehicles were observed travelling at speed on Sartories Lane and generating large amounts of dust between 7 and 8 March.</li> <li>• No analysis has been made of wind/ weather conditions during the period.</li> </ul>
Shamrock	McAndrews Lane McL SW SCE	McAndrews Lane McL SW SCE	N/A		18	2.63	<4	0.9	
Pacifico Harwood	Portion E - Morpeth St	DDG1	DDG1		30	2.7	<4	1.03	
Pacifico Harwood	Portion E - 2A Petticoat Lane	DDG2	DDG2		30	2.4	<4	1.53	
Pacifico Harwood	Portion E - River St	DDG3	DDG3		30	2.62	<4	1.37	
Pacifico Harwood	Portion E - Sign Craft Yamba Rd	DDG4	DDG4	Slightly Cloudy	30	2.19	<4	3.47	
Pacifico Harwood	Portion E - Yamba Rd Interchange	DDG5	DDG5	Slightly Yellow	30	2.43	<4	1.65	
SEE Civil	Wave 5C	W5C A1	F7863/1	..	29	0.180	<4	0.2	
SEE Civil	Wave 5C	W5C A2	F7863/2	..	29	5.330	<4	2.0	
SEE Civil	Wave 5C	W5C A4	F7863/3	Cloudy, Slightly yellow	29	5.340	<4	6.4	Local agricultural practices are likely source.
SEE Civil	Wave 5C	W5C A5	F7863/4	..	29	5.400	<4	1.3	
SEE Civil	Wave 5C	W5C A6	F7863/5	..	29	5.530	<4	1.0	
SEE Civil	Woodburn Service Rd	WB5R DDG1	F7863/6	..	20	5.470	<4	0.9	

SEE Civil	Woodburn Service Rd	WB5R DDG2	F7863/7	..	20	5.530	<4	1.5	
SEE Civil	Woodburn Service Rd	WB5R DDG3	F7863/8	..	20	5.540	<4	1.3	
SEE Civil	Wave 4	W4 DDG1	F7863/9	..	29	5.580	<4	1.0	
SEE Civil	Wave 4	W4 DDG2	F7863/10	..	29	5.550	<4	0.8	
SEE Civil	Wave 4	W4 DDG3	F7863/11	..	29	5.470	<4	1.1	
SEE Civil	Wave 2	W2 DDG1	F7863/12	..	29	5.400	<4	2.0	
SEE Civil	Wave 2	W2 DDG2	F7863/13	..	29	4.630	<4	1.5	
SEE Civil	Wave 2	W2 DDG3	F7863/14	Brown	29	5.070	<4	6.7	No works undertaken in vicinity of gauge, agricultural practices are likely source.
SEE Civil	Wave 2	W2 DDG4	F7863/15	..	29	4.760	<4	0.7	
SEE Civil	Wave 2	W2 DDG5	F7863/16	..	29	5.240	<4	0.9	
Seymour Whyte	Wave 5A	1	F8208/1	..	49	5.400	<4	0.0	
Seymour Whyte	Wave 5A	2	F8208/2	..	49	5.430	<4	0.0	
Seymour Whyte	Wave 5A	3	F8208/3	Yellow	49	5.430	<4	0.3	
Seymour Whyte	Wave 5A	4	F8208/4	..	49	5.360	<4	0.1	
Seymour Whyte	Wave 5A	5	F8208/5	Slightly Yellow	49	5.350	<4	0.1	
Seymour Whyte	Wave 5A	6	F8208/6	Yellow	49	5.350	<4	0.1	
Seymour Whyte	Wave 5A	7	F8208/7	..	49	5.380	<4	0.0	
Seymour Whyte	Wave 5A	8	F8208/8	..	49	5.460	<4	0.0	
Seymour Whyte	Wave 5A	9	F8208/9	..	49	5.430	<4	0.0	
Seymour Whyte	Wave 5A	10	F8208/10	..	49	5.320	<4	0.0	
Seymour Whyte	Wave 5A	11	F8208/11	Beetle/Organic matter/ sand present	49	5.400	<4	14.2	Dust logger 11 has reported that sand was contained within the dust logger. Sand is a large heavy sediment type and is highly unlikely to be airborne. This results strongly suggest that the logger has been tampered with. The rain fall in march, the lack of construction activity and the very low results of the remaining 27 dust gauges also supports the reasoning that logger 11 was tampered with.
Seymour Whyte	Wave 5A	12	F8208/12	..	49	5.400	<4	0.5	
Seymour Whyte	Wave 5A	13	..	Bottle Broken in transport	..	..	<4	..	
Seymour Whyte	Wave 5A	14	F8208/13	Yellow colour/ mosquitos/ pine needle	49	5.400	<4	1.0	
Seymour Whyte	Wave 5A	15	F8208/14	..	49	5.400	<4	0.7	
Seymour Whyte	Wave 5A	16	F8208/15	Organic matter/mosquitos	49	5.400	<4	0.6	
Seymour Whyte	Wave 5A	17	F8208/16	Yellowish colour/ mosquitos/ leaf	49	5.400	<4	2.0	
Seymour Whyte	Wave 5A	18	F8208/17	Leaves	49	5.400	<4	1.7	
Seymour Whyte	Wave 5A	19	F8208/18	Yellowish colour/ mosquitos/ leaf/organic matter	49	5.400	<4	1.7	
Seymour Whyte	Wave 5A	20	F8208/19	Yellowish colour/ mosquitos/organic matter	49	5.400	<4	3.4	
Seymour Whyte	Wave 5A	21	F8208/20	..	49	5.130	<4	0.4	
Seymour Whyte	Wave 5A	22	F8208/21	..	49	5.390	<4	0.4	
Seymour Whyte	Wave 5A	23	F8208/22	..	49	5.440	<4	0.5	
Seymour Whyte	Wave 5A	24	F8208/23	..	49	5.450	<4	0.6	
Seymour Whyte	Wave 5A	25	F8208/24	Slightly Yellow	49	5.450	<4	1.1	
Seymour Whyte	Wave 5A	26	F8208/25	..	49	5.320	<4	0.3	

Seymour Whyte	Wave 5A	27	F8208/26	..	49	5.340	<4	0.3	
Seymour Whyte	Wave 5A	28	F8208/27	..	49	5.380	<4	0.3	
Davbridge	Bridge 11	B11a	1		29	2.43	<4	1.3	
Davbridge	Bridge 10	B10a	2		29	2.45	<4	1.2	
Davbridge	Control Site	Controla	3		29	2.7	<4	1.7	
Golding	Wave 1	Mororo	F8376/1	...	35	5.4	<4	0.02	Dust results provided February 2018
FKG	Wave 3	DG-01	DG-01 -10	Organic matter present	32	2.85	<4	1.00	
FKG	Wave 3	DG-02	DG-02 -10		32	2.85	<4	0.10	
FKG	Wave 3	DG-03	DG-03 -07		32	2.80	<4	0.70	
FKG	Wave 3	DG-04	DG-04 -10		32	2.80	<4	2.00	
FKG	Wave 3	DG-05	DG-05 -10		32	2.80	<4	1.30	
FKG	Wave 3	DG-06							
FKG	Wave 3	DG-07	DG-07 -10	Ants, organic matter present. Insoluble content above average for sampling period.	32	2.80	<4	5.70	The average total insoluble solids for dust deposition measured from June 2016 to March 2015 at DG-07 is 3.79 g/m2/month, below the Air Quality Monitoring Criteria maximum annualised average limit of 4 g/m2/month. The elevated result is unlikely to be caused by construction activities based on the meteorological data and construction activities undertaken. Note that sample (November 2016) was not collected due adjacent agricultural activities generating visible dust (tilling/ploughing).
FKG	Wave 3	DG-08	DG-08 -10		32	2.80	<4	0.70	
FKG	Wave 3	DG-09	DG-09 -10	Organic matter present	32	2.50	<4	0.30	
FKG	Wave 3	DG-10	DG-10 -10		32	2.85	<4	0.90	
FKG	Wave 3	DG-11	DG-11 -10 - Ferry Park		32	2.85	<4	0.20	
FKG	Wave 3	DG-12	DG-12 -10	Ants	32	2.80	<4	0.40	
FKG	Wave 3	DG-13	DG-13 -10		32	5.30	<4	3.70	
FKG	Wave 3	DG-14	DG-14 -10		32	2.80	<4	0.60	
FKG	Wave 3	DG-15	DG-15 -10	Organic matter present	32	2.85	<4	3.50	
BMD	Portion B	Mororo Cut South end	DDG16	n/a	36	5.30	<4	0.8	
BMD	Portion B	Carrolls Lane East Chatsworth	DDG8	Brown and organic matter present	36	5.35	<4	27.9	These exceedances are believed not to be attributable to BMD activities in these areas. March 2017 recorded 449.6mm of rain across site with a total of 19 rain days. DDG8 No works were undertaken at the adjacent Carroll's to Fischer's Lane Connection road. The source of dust is believed to be the slashing of the adjacent cane headland by the cane farmer
BMD	Portion B	Serpentine Rd North	DDG6	Organic matter present	36	5.40	<4	10.1	These exceedances are believed not to be attributable to BMD activities in these areas. March 2017 recorded 449.6mm of rain across site with a total of 19 rain days. DDG6 No works were undertaken at Chatsworth South East work area. The excavation remained filled with water for the entire month of March. The source of dust is believed to be the mowing of the adjacent lawn by the property owner and possibly the owners trafficking along the internal property dirt road.  Gauges adjacent to these works did not receive similar results to this level of exceedance.
BMD	Portion B	Chatsworth Road North - Mororo	DDG10	Ants	36	3.90	<4	0.4	
BMD	Portion B	Watt's Lane	DDG3	n/a	36	5.30	<4	1.1	
BMD	Portion B	Watts Lane East - Golding	DDG2	n/a	36	5.25	<4	2.7	
BMD	Portion B	Ryan's Lane	DDG4	Organic matter present	36	5.40	<4	3	
BMD	Portion B	Mororo Cut North West	DDG17	n/a	36	5.30	<4	0.3	
BMD	Portion B	Garrett's Lane West	DDG11	n/a	36	5.30	<4	0.2	
BMD	Portion B	DDG5	DDG5	n/a	35	5.25	<4	0.2	

BMD	Portion B	DDG7	DDG7	n/a	35	5.20	<4	<b>0.3</b>	
BMD	Portion B	Fischers Lane	DDG9	n/a	35	5.30	<4	<b>0.3</b>	