

February 2019 - Dust Monitoring Register



Licensee: Laing O'Rourke Australia Construction Pty Ltd
 Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465
 Licence No: 20713

Air Monitoring for Solid Particles is conducted monthly - Units of measure: g/m2/month													
Contractor	Location	Exposure Period - Date on / Date off (DD/MM/YY)	Sample Gauge Number	Sample Name	Sample Comments	Sampling Days	Sample Volume (L)	Target Total Suspended Solids (g/m2/month)	Total Suspended Solids (g/m2/month) <4 g/m2/month	Laboratory Results			
										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
								<4	4.1				
SWC	Portion A S3	17/01/19 - 18/02/19	DDG2	H8629/1	brown/org. matter	32	0.130	<4	0.8	0.6	0.2	2.8	3.6
SWC	Portion A S3	17/01/19 - 18/02/19	DDG3	H8629/2	dry/0.2L milli Q added	32	0.200	<4	0.050	0.3	0.2	0.0	0.5
SWC	Portion A S3	17/01/19 - 18/02/19	DDG4	H8629/3	brown/insects	32	0.050	<4	0.170	2.4	1.6	1.1	5.1
SWC	Portion A S3	17/01/19 - 18/02/19	DDG5	H8629/4	brown/org. matter	32	0.170	<4	2.5	1.4	1.0	0.8	3.3
SWC	Portion A S3	17/01/19 - 18/02/19	DDG6	H8629/5	brown/org. matter	32	0.390	<4	0.3	0.2	0.2	0.2	0.5
SWC	Portion A S3	17/01/19 - 18/02/19	DDG7	H8629/6	org. matter	32	0.110	<4	0.180	0.8	0.7	0.1	1.8
SWC	Portion A S3	17/01/19 - 18/02/19	DDG8	H8629/7	brown/org. matter	32	0.180	<4	0.430	1.0	0.5	0.8	1.8
SWC	Portion A S3	17/01/19 - 18/02/19	DDG9	H8629/8	brown/org. matter	32	0.430	<4	0.300	0.5	0.1	0.4	0.9
SWC	Portion A S3	17/01/19 - 18/02/19	DDG10	H8629/9	org. matter	32	0.300	<4	0.9	0.6	0.4	0.4	1.4
SWC	Portion A S3	17/01/19 - 18/02/19	DDG11	H8629/10	insects/org. matter	32	0.330	<4	0.2	0.2	0.0	0.0	0.2
SWC	Portion A S3	17/01/19 - 18/02/19	DDG12	H8629/11	dry/0.2L milli Q added	32	0.200	<4	0.9	0.6	0.3	2.0	3.0
SWC	Portion A S3	17/01/19 - 18/02/19	DDG13	H8629/12	brown/org. matter	32	0.350	<4	1.6	1.2	0.4	1.0	2.6
SWC	Portion A S3	17/01/19 - 18/02/19	DDG14	H8629/13	brown/org. matter	32	0.350	<4	0.410	0.9	0.3	0.6	1.9
SWC	Portion A S3	17/01/19 - 18/02/19	DDG15	H8629/14	org. matter	32	0.410	<4	0.150	0.6	0.5	0.1	0.9
SWC	Portion A S3	17/01/19 - 18/02/19	DDG16	H8629/15	brown/org. matter	32	0.150	<4	1.5	1.2	0.1	0.4	1.9
SWC	Portion A S3	17/01/19 - 18/02/19	DDG17	H8629/16	brown/org. matter	32	0.130	<4	1.8	1.5	0.3	0.9	2.7
SWC	Portion A S3	17/01/19 - 18/02/19	DDG18	H8629/17	brown/org. matter	32	0.140	<4	0.4	0.3	0.0	0.0	0.4
SWC	Portion A S3	17/01/19 - 18/02/19	DDG19	H8629/18	dry/0.2L milli Q added	32	0.200	<4	1.0	0.6	0.4	0.0	1.0
SWC	Portion A S3	17/01/19 - 18/02/19	DDG20	H8629/19	brown/org. matter	32	0.040	<4	1.1	0.9	0.2	0.6	1.7
SWC	Portion A S3	17/01/19 - 18/02/19	DDG21	H8629/20	cloudy/org. matter	32	0.210	<4	0.6	0.4	0.2	0.5	1.2
SWC	Portion A S3	17/01/19 - 18/02/19	DDG22	H8629/21	org. matter	32	0.300	<4	1.4	0.9	0.5	0.4	1.8
SWC	Portion A S3	17/01/19 - 18/02/19	DDG23	H8629/22	brown/insects	32	0.130	<4	0.5	0.4	0.2	0.2	0.8
SWC	Portion A S3	17/01/19 - 18/02/19	DDG24	H8629/23	brown/org. matter	32	0.120	<4	1.5	0.8	0.7	2.0	3.5
SWC	Portion A S3	17/01/19 - 18/02/19	DDG25	H8629/24	brown/org. matter	32	0.210	<4	0.7	0.5	0.3	0.2	0.9
SWC	Portion A S3	17/01/19 - 18/02/19	DDG26	H8629/25	brown/org. matter	32	0.150	<4	0.200	0.2	0.0	0.1	0.4
SWC	Portion A S3	17/01/19 - 18/02/19	DDG27	H8629/26	dry/0.2L milli Q added	32	0.200	<4	0.0	0.0	0.0	0.0	0.0
SWC	Portion A S3	17/01/19 - 18/02/19	DDG28	H8629/27	dry/0.2L milli Q added	32	0.200	<4	0.040	0.4	0.0	0.0	0.4
SWC	Portion A S3	17/01/19 - 18/02/19	DDG29	H8629/28	cloudy/org. matter	32	0.040	<4	1.1	0.9	0.2	0.6	1.7
SWC	Portion A S3	17/01/19 - 18/02/19	DDG30	H8629/29	dry/0.2L milli Q added	32	0.200	<4	1.3	1.1	0.2	0.3	1.6
SWC	Portion A S3	17/01/19 - 18/02/19	DDG31	H8629/30	brown/org. matter	32	0.100	<4	0.0	0.0	0.0	0.0	0.0
SWC	Portion A S3	17/01/19 - 18/02/19	DDG32	H8629/31	dry/0.2L milli Q added	32	0.200	<4	0.6	0.5	0.2	0.6	1.2
SWC	Portion A S3	17/01/19 - 18/02/19	DDG33	H8629/32	org. matter	32	0.330	<4	0.3	0.4	0.3	0.0	0.8
SWC	Portion A S3	17/01/19 - 18/02/19	DDG34	H8629/33	org. matter	32	0.300	<4	1.0	0.8	0.2	0.3	1.3
BGC	Portion A S4	21/01/19-20/02/19	DG02	Tyndale	org. matter	30	0.250	<4	3.0	2.0	1.0	1.8	4.8
BGC	Portion A S4	21/01/19-20/02/19	DG03	Maloneys	cloudy/org. matter	30	0.370	<4	2.2	1.2	1.0	1.0	3.2
BGC	Portion A S4	21/01/19-20/02/19	DG04	Byrons Lane	cloudy/org. matter	30	0.380	<4	2.2	1.7	1.5	0.5	2.7
BGC	Portion A S4	21/01/19-20/02/19	DG05	Shark Creek	org. matter	30	0.930	<4	0.980	0.7	3.2	12.3	16.2
BGC	Portion A S4	21/01/19-20/02/19	DG07	Clyde Essex Drive	brown/org. matter	30	0.980	<4	1.0	0.7	0.4	0.7	1.7
BGC	Portion A S4	21/01/19-20/02/19	DG1A	Schwarberg St	org. matter	30	0.730	<4	0.4	0.2	0.2	0.6	1.0
BGC	Portion A S4	21/01/19-20/02/19	DG08	Causleys	org. matter	30	0.570	<4	0.8	0.5	0.4	0.7	1.6
BGC	Portion A S4	21/01/19-20/02/19	DG09	BP Lane	org. matter	30	1.000	<4	1.5	1.2	0.3	0.9	2.4
BGC	Portion A S4	21/01/19-20/02/19	DG10	Visitor Info Centre	org. matter	30	0.900	<4	1.4	1.1	0.1	0.7	2.1
BGC	Portion A S4	21/01/19-20/02/19	DG11	Motel	org. matter	30	0.850	<4	0.4	0.3	0.3	0.5	0.9
BGC	Portion A S4	21/01/19-20/02/19	DG12	M1 Norley - Byron	org. matter	30	0.350	<4	1.1	1.0	0.2	0.4	1.5
BGC	Portion A S4	21/01/19-20/02/19	DG13	Tyndale	org. matter	30	0.260	<4					
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-06	Watts Lane	..	29	0.150	<4	2.5	2.2	0.4	0.1	2.6
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-08	Serpentine Channel North	cloudy	29	0.220	<4	3.4	2.9	0.5	0.5	3.9
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-09	Chatsworth South East	org. matter/cloudy	29	0.360	<4	1.9	0.9	1.0	1.1	3.0
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-10	Chatsworth Village	..	29	0.190	<4	1.3	1.0	0.3	0.6	1.8
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-11	Fischers Lane - Control Gauge	..	29	0.200	<4	1.3	1.0	0.3	0.4	1.6
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-12	Fischers Lane	..	29	0.190	<4	1.3	0.6	0.7	0.9	2.2
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-13	Mororo Bridge South West	..	29	0.340	<4	3.4	2.7	0.7	2.7	6.1
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-14	Garretts Lane West	..	29	0.370	<4	1.3	0.9	0.3	0.7	2.0

Contractor	Location	Exposure Period - Date on / Date off (DD/MM/YY)	Sample Gauge Number	Sample Name	Sample Comments	Sampling Days	Sample Volume (L)	Target Total Suspended Solids (g/m2/month)	Total Suspended Solids (g/m2/month) <4	Laboratory Results			
										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-15	Garretts Lane North	bugs	29	0.360	<4	1.2	0.7	0.5	0.3	1.5
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-16	Iluka Road Compound	..	29	0.480	<4	1.1	0.9	0.2	0.9	1.9
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-17	Woombah Woods Caravan Park	..	29	0.300	<4	0.7	0.5	0.2	0.3	1.0
Pacific Complete	Portion B S5	17/01/19 - 15/02/19	DDG 5-18	Castles Stockpile Area	bugs/cloudy	29	0.240	<4	0.8	0.5	0.3	0.5	1.2
Golding	Portion B S5	22/01/19-22/02/19	DDG 5-07	1	org. matter	31	0.730	<4	2.2	1.4	0.8	3.2	5.3
SEE Civil	Portion B S5	22/01/19-22/02/19	DDG 5-02	Highland Ridge, Maclean	Gauge vandalised	-	-	<4	-	-	-	-	-
SEE Civil	Portion B S5	22/01/19-22/02/19	DDG 5-03	132 Farlow's Lane, Maclean		-	-	<4	-	-	-	-	-
SEE Civil	Portion B S5	22/01/19-22/02/19	DDG 5-04	Behind Fill 5-1 East		-	-	<4	-	-	-	-	-
SEE Civil	Portion B S5	22/01/19-22/02/19	DDG 5-05	Fill 5.4 South		-	-	<4	-	-	-	-	-
BMD	Portion C S6	18/12/18 - 21/01/19	DDG15	Eliem Property	dry/0.2L milli Q added	33	0.200	<4	0.5	0.4	0.1	0.2	0.8
BMD	Portion C S6	18/12/18 - 21/01/19	DDG16	McLaren Property	dry/0.2L milli Q added	33	0.200	<4	0.7	0.5	0.1	0.4	1.0
BMD	Portion C S6	18/12/18 - 21/01/19	DDG17 Control	De-Winston Property	org. matter	33	0.350	<4	0.7	0.4	0.3	0.5	1.1
BMD	Portion C S6	18/12/18 - 21/01/19	DDG18	Jacky Bulbin Road		33	0.630	<4	0.9	0.7	0.2	0.6	1.6
BMD	Portion C S6	18/12/18 - 21/01/19	DDG19	Rainbow	org. matter	33	0.390	<4	0.8	0.5	0.3	0.5	1.3
BMD	Portion C S6	18/12/18 - 21/01/19	DDG20	Devils Pulpit		33	0.840	<4	0.6	0.5	0.1	0.7	1.3
CPB	Portion C	16/01/19-19/02/19	DDG 7 Control	H8661/1	cloudy/insects	34	0.110	<4	1.4	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 7-1	H8661/2	org. matter	34	0.210	<4	0.5	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 7-2	H8661/3	dry/0.2L milli Q added	34	0.200	<4	1.2	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 7-3	H8661/4	cloudy/org. matter	34	0.130	<4	1.8	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 8-1	H8661/5	org. matter	34	0.400	<4	1.2	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 8-2	H8661/6	org. matter	34	0.060	<4	0.7	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 8-4	H8661/7	dry/0.2L milli Q added	34	0.200	<4	1.3	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 8-5	H8661/8	dry/0.2L milli Q added	34	0.200	<4	0.9	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 9-2	H8661/9	dry/0.2L milli Q added	34	0.200	<4	0.7	-	-	-	-
CPB	Portion C	16/01/19-19/02/19	DDG 9-3	H8661/10	cloudy/org. matter	34	0.060	<4	1.4	-	-	-	-
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-03	DDG 10-03	insects/org. matter	33	0.830	<4	1.4	0.8	0.5	1.3	2.7
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-04	DDG 10-04	insects	33	0.670	<4	1.7	0.7	0.9	1.7	3.3
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-05	DDG 10-05	org. matter	33	0.570	<4	0.6	0.4	0.2	0.8	1.3
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-06	DDG 10-06	org. matter	33	0.510	<4	0.6	0.3	0.2	0.5	1.0
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-07	DDG 10-07	insects	33	0.610	<4	1.6	0.7	0.9	0.9	2.5
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-08	DDG 10-08	org. matter	33	0.750	<4	1.7	0.9	0.8	2.0	3.7
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-09	DDG 10-09	org. matter	33	0.760	<4	1.3	0.9	0.4	1.5	2.8
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-10	DDG 10-10	org. matter	33	0.680	<4	0.7	0.4	0.3	0.7	1.4
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-11	DDG 10-11	org. matter	33	0.890	<4	0.4	0.2	0.2	1.0	1.4
Lend/Lease	Portion D S10	19/12/18 - 21/01/19	DDG 10-12	DDG 10-12	insects/org. matter	33	0.830	<4	1.2	0.6	0.7	1.4	2.6
Lend/Lease	Portion D S11	19/12/18 - 21/01/19	DDG 11-01	DDG 11-01	Sample destroyed by cattle	33	-	<4	-	-	-	-	-
Lend/Lease	Portion D S11	19/12/18 - 21/01/19	DDG 11-02	DDG 11-02	insects/org. matter	33	0.840	<4	1.8	1.1	0.7	1.8	3.6
Lend/Lease	Portion D S11	19/12/18 - 21/01/19	DDG 11-03	DDG 11-03	insects	33	0.620	<4	1.4	0.5	1.4	2.8	2.8
Lend/Lease	Portion D S11	19/12/18 - 21/01/19	DDG 11-04	DDG 11-04 (Control)	insects	33	0.550	<4	1.5	0.8	0.7	1.3	2.8
Quickway	Portion D	17/01/19 - 17/02/19	DDG 10-13	H8563/1	Extensive construction works being undertaken. Insects in sample. <1 mm of water in sample bottle. No funnel in bottle at time of collection, funnel replaced. Below average rainfall during sample period.	29	0.200	<4	1.5	1.1	0.3	0.2	1.7
Quickway	Portion D	17/01/19 - 17/02/19	DDG 10-14	H8563/2	Extensive construction works being undertaken. Insects present in sample. Approx. 20 mm of water in sample bottle. Below average rainfall during sample period.	29	0.290	<4	2.5	1.9	0.5	2.0	4.5
Quickway	Portion D	17/01/19 - 17/02/19	DDG 10-15	H8563/3	Extensive construction works being undertaken. Insects present in sample. Approx. 25 mm of water in sample bottle. Below average rainfall during sample period.	29	0.480	<4	5.6	4.7	1.0	2.1	7.8
Quickway	Portion D	17/01/19 - 17/02/19	DDG 10-16	H8563/4	Extensive construction works being undertaken. Insects present in sample. Approx. 20 mm of water in sample bottle. Below average rainfall during sample period.	29	0.430	<4	2.7	2.2	0.5	2.2	4.9
AFHJV	Portion E	09/01/19 - 08/02/19	DDG1	organic matter		30	0.09	<4	1.0	0.7	0.3	0.0	1.0
AFHJV	Portion E	09/01/19 - 08/02/19	DDG2	cloudy / organic matter		30	0.05	<4	2.1	1.4	0.7	0.0	2.1
AFHJV	Portion E	09/01/19 - 08/02/19	DDG3	organic matter		30	0.2	<4	2.1	1.7	0.4	0.1	2.2
AFHJV	Portion E	09/01/19 - 08/02/19	DDG4	organic matter		30	0.1	<4	1.7	1.4	0.4	1.0	2.7

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										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
AFHJV	Portion E	09/01/19 - 08/02/19	DDG5	organic matter		30	0.08	<4	0.9	0.6	0.3	0.0	0.9
LendLease	Portion F	19/12/18- 21/01/19	DDG 10 - 02	RRB - S: DDG 10 - 02	org.matter	33	0.770	<4	1.2	0.7	0.5	1.2	2.4
LendLease	Portion F	19/12/18- 21/01/19	DDG 10 - 03	RRB - N: DDG 10 - 03	insects/org. matter	33	0.830	<4	1.4	0.8	0.5	1.3	2.7
LendLease	Portion F	19/12/18- 21/01/19	DDG 10 - 01	RRB - C: DDG 10 - 01	org. matter	33	0.560	<4	0.9	0.5	0.4	1.0	1.9
Georgiou	Portion G	8/01/19 - 05/02/19	DDG 11 - 05	DDG 11 - 05 - Control	Insects	28	0.140	<4	0.4	0.2	0.2	0.1	0.5
Georgiou	Portion G	8/01/19 - 05/02/19	DDG 11 - 06	DDG 11 - 06 - Sth	Insects	28	0.170	<4	0.6	0.4	0.2	0.0	0.6
Georgiou	Portion G	8/01/19 - 05/02/19	DDG 11 - 07	DDG 11 - 07 - Nth	Insects	28	0.110	<4	0.4	0.1	0.3	0.1	0.5