

August 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/m ² /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/m ² /month)	Laboratory Results				
									Total Suspended Solids (g/m ² /month) <4	Ash (g/m ² /month)	Combustible Matter (g/m ² /month)	Soluble Matter (g/m ² /month)	Grand Total Solids (g/m ² /month)
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG2	5010/1	large org. matter	29	0.100	<4	0.60	0.30	0.30	0.11	0.71
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG3	5010/2	dry, 0.2L milli Q added, fine org.	29	0.220	<4	0.44	0.22	0.23	0.23	0.68
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG4	5010/3	dry, 0.2L milli Q added, fine org.	29	0.250	<4	0.45	0.24	0.21	0.37	0.82
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG5	5010/4	dry, 0.2L milli Q added, yellow, la	29	0.260	<4	0.67	0.21	0.46	0.49	1.16
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG6	5010/5	large org. matter	29	0.100	<4	0.39	0.12	0.28	0.18	0.57
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG7	5010/6	cloudy, large org. matter	29	0.100	<4	1.42	0.50	0.92	0.54	1.97
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG8	5010/7	dry, 0.2L milli Q added, cloudy, g	29	0.250	<4	4.88	0.98	3.90	2.94	7.82
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG9	5010/8	large org. matter	29	0.100	<4	0.54	0.25	0.29	0.12	0.66
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG10	5010/9	cloudy, fine and large org. matter	29	0.100	<4	0.73	0.33	0.40	1.02	1.75
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG11	5010/10	fine and large org. matter	29	0.180	<4	0.46	0.23	0.23	0.32	0.79
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG12	5010/11	dry, 0.2L milli Q added, fine org.	29	0.200	<4	0.39	0.18	0.21	0.16	0.55
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG13	5010/12	yellow, fine org. matter	29	0.050	<4	0.52	0.16	0.36	0.00	0.52
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG14	5010/13	large org. matter	29	0.100	<4	0.44	0.20	0.25	0.26	0.70
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG15	5010/14	dry, 0.2L milli Q added, fine org.	29	0.200	<4	0.33	0.17	0.16	0.23	0.56
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG16	5010/15	dry, 0.2L milli Q added, large org.	29	0.200	<4	0.44	0.20	0.24	0.21	0.64
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG17	5010/16	yellow, large org. matter	29	0.045	<4	0.52	0.37	0.14	0.00	0.52
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG18	5010/17	dry, 0.2L milli Q added, cloudy, li	29	0.220	<4	0.98	0.62	0.36	0.54	1.51
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG19	5010/18	dry, 0.2L milli Q added, fine org.	29	0.200	<4	0.45	0.28	0.17	0.26	0.71
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG20	5010/19	cloudy, large org. matter	29	0.100	<4	0.68	0.36	0.33	0.00	0.68
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG21	5010/20	dry, 0.2L milli Q added, large org.	29	0.200	<4	0.56	0.37	0.19	-0.01	0.56
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG22	5010/21	large org. matter	29	0.150	<4	0.60	0.36	0.24	0.24	0.83
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG23	5010/22	large org. matter	29	0.130	<4	0.41	0.25	0.16	0.12	0.53
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG24	5010/23	large org. matter	29	0.120	<4	0.78	0.56	0.22	0.03	0.81
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG25	5010/24	dry, 0.2L milli Q added, yellow, la	29	0.250	<4	0.60	0.23	0.37	0.56	1.16
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG26	5010/25	large org. matter	29	0.180	<4	0.60	0.36	0.24	0.24	0.83
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG27	5010/26	large org. matter	29	0.100	<4	0.40	0.18	0.19	0.21	0.57
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG28	5010/27	bottle smashed	-	-	<4	-	-	-	-	-
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG29	5010/27	green, cloudy, large and fine org.	29	0.100	<4	2.34	1.36	0.97	3.81	6.14
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG30	5010/28	dry, 0.2L milli Q added, fine org.	29	0.200	<4	0.71	0.47	0.24	0.30	1.01
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG31	5010/29	large org. matter	29	0.110	<4	0.65	0.33	0.32	0.02	0.67
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG32	5010/30	entire gauge was missing	-	-	<4	-	-	-	-	-
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG33	5010/30	large org. matter	29	0.190	<4	0.49	0.18	0.30	0.40	0.88
SWC	Portion A Section 3	17/07/2019 - 15/08/2019	DDG34	5010/31	cloudy, fine org. matter	29	0.100	<4	0.95	0.53	0.43	0.78	1.73
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG02	Tyndale	yellow, cloudy, large org. matter	33	0.290	<4	2.70	1.20	1.60	2.70	5.50
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG03	Maloneys	cloudy, large org. matter	33	0.220	<4	1.40	0.80	0.60	0.70	2.10
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG04	Byrons Lane	large org. matter	33	0.350	<4	0.70	0.50	0.20	0.20	0.90
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG05	Shark Creek	cloudy, large and fine org. matter	33	0.470	<4	3.70	1.90	1.80	2.10	5.90
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG07	Clyde Essex Drive	brown, cloudy, large org. matter	33	0.320	<4	2.90	0.60	2.20	8.60	11.40
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG1A	Schwonberg St	large org. matter	33	0.490	<4	0.60	0.40	0.20	0.20	0.80
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG08	Causleys	large org. matter	33	0.270	<4	0.60	0.30	0.40	0.10	0.80
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG09	BP Lane	yellow, fine org. matter	33	0.630	<4	1.50	0.70	0.80	1.70	3.20
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG10	Visitor Info Centre	fine org. matter	33	0.550	<4	0.80	0.40	0.40	0.40	1.20
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG11	Motel	cloudy, fine org. matter	33	0.420	<4	0.80	0.40	0.40	0.50	1.30
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG12	M1 Norley - Byron	cloudy, fine org. matter	33	0.630	<4	1.80	0.90	2.00	0.50	3.80
BGC	Portion A Section 4	18/07/2019 - 20/08/2019	DG13	Tyndale	yellow, cloudy, large org. matter	33	0.300	<4	2.20	0.90	1.30	3.10	5.30
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-03	Farlows Lane, Maclean	ash, fine and large org. matter	28	0.450	<4	0.73	0.49	0.24	0.30	1.02
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-04	Fill 5.1 East, FarlowsFlat	large org. matter	28	0.330	<4	0.50	0.27	0.23	0.03	0.54
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-05	Fill 5.4 East, Yamba Interchange	large org. matter	28	0.500	<4	1.57	1.17	0.40	0.56	2.13
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-06	Watts Lane	fine org. matter	28	0.350	<4	2.33	1.90	0.43	0.26	2.59
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-08	Serpentine Channel North	cloudy, large org. matter	28	0.480	<4	6.10	5.19	0.90	0.40	6.50
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-09	Chatsworth South East	ash, fine and large org. matter	28	0.500	<4	1.87	1.20	0.67	0.54	2.41
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-10	Chatsworth Village	fine org. matter	28	0.500	<4	1.10	0.65	0.45	0.51	1.61

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)	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 Section 5	17/07/2019 - 14/08/2019	DDG 5-11	Fischers Lane - Control Gauge	large org. matter	28	0.530	<4	1.63	1.27	0.36	0.28	1.90
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-12	Fischers Lane	large org. matter	28	0.480	<4	0.78	0.40	0.38	0.42	1.20
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-13	Mororo Bridge South West	ash, fine and large org. matter	28	0.540	<4	1.34	0.94	0.41	0.55	1.89
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-14	Garretts Lane West	fine org. matter	28	0.550	<4	0.75	0.50	0.25	0.35	1.10
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-15	Garretts Lane North	cloudy, yellow, large org. matter	28	0.460	<4	3.18	0.89	2.29	4.31	7.49
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-16	Iluka Road Compound	fine org. matter	28	0.500	<4	0.54	0.32	0.22	0.00	0.54
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-17	Woombah Woods Caravan Park	fine and large org. matter	28	0.630	<4	0.70	0.46	0.24	0.21	0.91
Pacific Complete	Portion B Section 5	17/07/2019 - 14/08/2019	DDG 5-18	Castles Stockpile Area	spiders, brown, cloudy, large org. matter	28	0.500	<4	5.15	2.43	2.73	3.47	8.63
Golding	Portion B Section 5	22/05/2019-22/06/2019	DDG5-07	1 Palm Lane	...	31	1.400	<4	0.40	0.20	0.30	1.00	1.40
Golding	Portion B Section 5	22/06/2019-22/07/2019	DDG5-07	1 Palm Lane	...	30	0.550	<4	0.18	-	-	-	-
Golding	Portion B Section 5	22/07/2019 - 22/8/2019	DDG5-07	1 Palm Lane	...	31	0.470	<4	2.10	1.30	0.80	1.30	3.40
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG15	Ellem Property	fine org. matter, cloudy	31	2.050	<4	1.20	0.60	0.50	2.50	3.70
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG16	McLaren Property	fine org. matter, cloudy	31	1.830	<4	1.30	0.60	0.80	2.30	3.60
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG17	De-Winton Property / Control	...	31	1.750	<4	0.10	0.10	0.00	1.70	1.90
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG18	Jacky Bulbin Road	fine org. matter, cloudy	31	1.650	<4	1.00	0.40	0.60	2.80	3.80
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG19	Rainbow	fine org. matter, cloudy	31	1.580	<4	1.40	0.40	1.00	2.00	3.40
BMD	Portion C Section 6	21/06/2019 - 22/07/2019	DDG20	Devils Pulpit	fine org. matter, cloudy	31	1.880	<4	2.60	2.00	0.60	5.80	8.30
CPB	Portion C Section 7, 8 & 9	23/05/2019 - 20/06/2019	DDG 7	3002/1 - Control	org. matter	28	0.880	<4	0.45				
CPB	Portion C Section 7, 8 & 9	23/05/2019 - 20/06/2019	DDG 7-1	3002/2	org. matter	28	0.440	<4	0.27				
CPB	Portion C Section 7, 8 & 9	23/05/2019 - 20/06/2019	DDG 7-2	3002/3	cloudy, org. matter	28	0.690	<4	2.94				
				3002/4	org. matter	28	0.920	<4	0.40				
				3002/5	org. matter	28	0.850	<4	0.34				
				3002/6	org. matter	28	0.660	<4	0.55				
				3002/7	org. matter	28	0.640	<4	0.58				
				3002/8	org. matter	28	0.690	<4	0.33				
				3002/9	org. matter	28	1.500	<4	0.38				
				3002/10	org. matter	28	1.270	<4	0.06				
CPB	Portion C Section 7, 8 & 9	20/06/2019 - 18/07/2019	DDG 7 Control	3931/1	..	28	2.600	<4	0.69				
CPB	Portion C Section 7, 8 & 9	20/06/2019 - 18/07/2019	DDG 7-1	3931/2	..	28	2.170	<4	0.47				
CPB	Portion C Section 7, 8 & 9	20/06/2019 - 18/07/2019	DDG 7-2	3931/3	..	28	2.320	<4	1.04				
				3931/4	..	28	2.640	<4	0.51				
				3931/5	..	28	2.900	<4	0.46				
				3931/6	..	28	3.000	<4	0.87				
				3931/7	..	28	3.270	<4	2.38				
				3931/8	..	28	3.200	<4	0.54				
				3931/9	..	28	3.220	<4	0.66				
				3931/10	..	28	3.140	<4	0.65				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 7-1	5049/1 / Control	org. matter	34	0.330	<4	0.40				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 7-1	5049/2	org. matter	34	0.480	<4	0.28				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 7-2	5049/3	cloudy, org. matter	34	0.250	<4	0.91				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 7-3	5049/4	org. matter	34	0.300	<4	0.25				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 8-1	5049/5	org. matter	34	0.410	<4	0.68				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 8-2	..	DDG missing on day of collection.	<4	..				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 8-4	5049/6	brown, fine org. matter	34	0.170	<4	1.60				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 8-5	5049/7	ash, fine org. matter	34	0.170	<4	0.96				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 9-2	5049/8	fine org. matter	34	0.600	<4	1.22				
CPB	Portion C Section 7, 8 & 9	18/07/2019 - 21/08/2019	DDG 9-3	5049/9	..	34	0.550	<4	0.45				
Quickway	Portion D Bridges	17/07/2019 - 14/08/2019	DDG 10-13	4826/1	fine and large org. matter	28	0.560	<4	2.61	1.99	0.62	0.56	3.17
Quickway	Portion D Bridges	17/07/2019 - 14/08/2019	DDG 10-14	4826/2	fine org. matter	28	0.530	<4	0.54	0.24	0.30	0.55	1.09
Quickway	Portion D Bridges	17/07/2019 - 14/08/2019	DDG 10-15	4826/3	fine org. matter	28	0.750	<4	0.67	0.29	0.38	0.70	1.37
Quickway	Portion D Bridges	17/07/2019 - 14/08/2019	DDG 10-16	4826/4	fine org. matter	28	0.660	<4	0.74	0.46	0.28	0.43	1.18
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-03	1	cloudy, fine org. matter	29	3.380	<4	4.49	4.12	4.12	8.24	12.73
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-04	2	large org. matter	29	3.380	<4	1.19	0.00	1.19	2.87	4.06
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-05	3	yellow, large org. matter	29	3.100	<4	2.74	0.65	2.10	3.63	6.38
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-06	4	large org. matter	29	2.550	<4	1.37	0.15	1.22	2.45	3.82
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-07	5	large org. matter	29	2.070	<4	5.30	3.34	1.96	2.48	7.78
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-08	6	cloudy, fine org. matter	29	2.700	<4	3.16	0.95	2.21	10.40	13.56
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-09	7	brown, cloudy, fine org. matter	29	2.550	<4	19.41	0.50	18.91	19.86	39.27
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-10	8	..	29	2.900	<4	1.19	0.07	1.12	2.62	3.81
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-11	9	fine org. matter	29	3.270	<4	1.38	0.15	1.23	2.81	4.19
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 10-12	10	fine org. matter	29	3.190	<4	1.16	0.11	1.05	2.79	3.95
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 11-01	11	fine org. matter	29	3.120	<4	1.10	0.07	1.02	3.28	4.37
Lend/Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 11-02	12	large org. matter	29	2.750	<4	5.93	4.00	1.93	2.72	8.65

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)
Lend Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 11-03	13	fine org. matter	29	3.140	<4	1.10	0.07	1.03	3.01	4.12
Lend Lease	Portion D S10 & 11	20/06/2019-19/07/2019	DDG 11-04	14 - Control	yellow, large org. matter	29	3.380	<4	1.98	0.20	1.78	4.05	6.03
Lend Lease	Portion F RRB	20/06/2019 - 19/07/2019	DDG 10 - 02	RRB - S: DDG 10 - 02		29	2.880	<4	7.92	1.18	6.74	27.26	35.18
Lend Lease	Portion F RRB	20/06/2019 - 19/07/2019	DDG 10 - 03	RRB - N: DDG 10 - 03		29	3.130	<4	4.49	0.37	4.12	8.24	12.73
Lend Lease	Portion F RRB	20/06/2019 - 19/07/2019	DDG 10 - 01	RRB - C: DDG 10 - 01		29	3.400	<4	1.35	0.20	1.20	3.01	4.37
Georgiou	Portion G P2T	08/07/2019 - 06/08/2019	DDG 11 - 05	DDG 11 - 05 - Control	fine org. matter	29	0.630	<4	0.30	0.10	0.20	0.40	0.70
Georgiou	Portion G P2T	08/07/2019 - 06/08/2019	DDG 11 - 06	DDG 11 - 06 - Sth	fine org. matter	29	0.710	<4	0.70	0.30	0.30	0.40	1.10
Georgiou	Portion G P2T	08/07/2019 - 06/08/2019	DDG 11 - 07	DDG 11 - 07 - Nth	large org. matter	29	0.530	<4	1.10	0.10	0.90	0.90	1.90