

## August 2018 - 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 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)
SWC	Portion A	19/7/18 - 17/8/18	DDG2	H3346/1	dry/0.2L milli Q added/leaf	29	0.200	<4	0.9	0.5	0.5	0.0	0.9
SWC	Portion A	19/7/18 - 17/8/18	DDG3	H3346/2	dry/0.2L milli Q added	29	0.200	<4	0.8	0.4	0.4	0.1	0.9
SWC	Portion A	19/7/18 - 17/8/18	DDG4	H3346/3	dry/0.2L milli Q added	29	0.200	<4	0.5	0.3	0.3	0.1	0.6
SWC	Portion A	19/7/18 - 17/8/18	DDG5	H3346/4	dry/0.2L milli Q added/org. matter	29	0.200	<4	0.7	0.3	0.5	0.0	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG6	H3346/5	dry/0.2L milli Q added	29	0.200	<4	0.6	0.2	0.4	0.0	0.6
SWC	Portion A	19/7/18 - 17/8/18	DDG7	H3346/6	dry/0.2L milli Q added	29	0.200	<4	0.3	0.1	0.2	0.2	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG8	H3346/7	dry/0.2L milli Q added	29	0.200	<4	0.5	0.1	0.4	0.1	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG9	H3346/8	limited volume/cricket/leaf	29	0.020	<4	0.4	0.1	0.3	0.3	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG10	H3346/9	dry/0.2L milli Q added/org. matter	29	0.200	<4	1.2	0.3	0.9	0.7	1.9
SWC	Portion A	19/7/18 - 17/8/18	DDG11	H3346/10	limited volume/wasp	29	0.030	<4	0.4	0.1	0.3	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG12	H3346/11	dry/0.2L milli Q added	29	0.200	<4	0.3	0.0	0.2	0.0	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG13	H3346/12	dry/0.2L milli Q added	29	0.200	<4	0.3	0.1	0.2	0.0	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG14	H3346/13	dry/0.2L milli Q added	29	0.200	<4	0.5	0.1	0.3	0.1	0.6
SWC	Portion A	19/7/18 - 17/8/18	DDG15	H3346/14	dry/0.2L milli Q added	29	0.200	<4	0.4	0.1	0.3	0.0	0.5
SWC	Portion A	19/7/18 - 17/8/18	DDG16	H3346/15	dry/0.2L milli Q added	29	0.200	<4	1.5	0.7	0.8	1.1	2.6
SWC	Portion A	19/7/18 - 17/8/18	DDG17	H3346/16	dry/0.2L milli Q added/bee	29	0.200	<4	0.4	0.2	0.3	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG18	H3346/17	dry/0.2L milli Q added	29	0.200	<4	0.3	0.0	0.3	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG19	H3346/18	dry/0.2L milli Q added	29	0.200	<4	0.4	0.1	0.3	0.1	0.5
SWC	Portion A	19/7/18 - 17/8/18	DDG20	H3346/19	limited volume/org. matter	29	0.050	<4	0.4	0.1	0.4	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG21	H3346/20	dry/0.2L milli Q added	29	0.200	<4	0.5	0.2	0.3	0.2	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG22	H3346/21	limited volume	29	0.030	<4	0.4	0.1	0.4	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG23	H3346/22	dry/0.2L milli Q added	29	0.200	<4	0.3	0.1	0.2	0.0	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG24	H3346/23	dry/0.2L milli Q added	29	0.200	<4	0.5	0.3	0.2	0.1	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG25	H3346/24	dry/0.2L milli Q added	29	0.200	<4	0.3	0.1	0.2	0.0	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG26	H3346/25	dry/0.2L milli Q added	29	0.070	<4	0.4	0.2	0.2	0.0	0.4
SWC	Portion A	19/7/18 - 17/8/18	DDG27	H3346/26	dry/0.2L milli Q added	29	0.200	<4	0.5	0.2	0.3	0.1	0.7
SWC	Portion A	19/7/18 - 17/8/18	DDG28	H3346/27	dry/0.2L milli Q added	29	0.200	<4	1.0	0.5	0.6	1.2	2.2
SWC	Portion A	19/7/18 - 17/8/18	DDG29	H3346/28	dry/0.2L milli Q added/insects/cloudy	29	0.200	<4	2.5	1.0	1.4	1.1	3.5
SWC	Portion A	19/7/18 - 17/8/18	DDG30	H3346/29	dry/0.2L milli Q added/org. matter	29	0.200	<4	0.6	0.3	0.3	0.1	0.8
SWC	Portion A	19/7/18 - 17/8/18	DDG31	H3346/30	limited volume	29	0.030	<4	0.3	0.1	0.2	0.0	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG32	H3346/31	dry/0.2L milli Q added	29	0.200	<4	0.2	0.1	0.2	0.1	0.3
SWC	Portion A	19/7/18 - 17/8/18	DDG33	H3346/32	dry/0.2L milli Q added	29	0.200	<4	1.2	0.6	0.6	0.0	1.2
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG02	Tyndale	org. matter	32	0.260	<4	1.1	0.6	0.5	0.3	1.4
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG03	Maloney's	org. matter/black	32	0.060	<4	16.0	4.0	12.1	16.7	32.7
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG04	Byrons Lane	dry/0.2L milli Q added	32	0.200	<4	0.7	0.3	0.4	0.2	1.0
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG05	Shark Creek	dry/0.2L milli Q added	32	0.200	<4	0.2	0.1	0.1	0.2	0.4
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG1A	Schwonberg Street	org. matter	32	0.550	<4	0.7	0.4	0.3	0.3	1.0
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG07	Clyde Essex Drive	org. matter/black	61	0.450	<4	41.0	11.8	29.2	17.6	58.6
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG08	Causleys	cloudy	32	0.400	<4	0.6	0.3	0.3	0.4	1.0
BGC	Portion A Section 4	20/06/2018-20/08/2018	DG09	BP Lane	org. matter	32	0.290	<4	0.6	0.4	0.2	0.1	0.7
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG10	Visitor Info Centre	org. matter	32	0.500	<4	0.6	0.3	0.3	0.2	0.8
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG11	Motel	org. matter	32	0.880	<4	0.5	0.2	0.3	0.5	1.0
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG12	M1 Norley - Byron	cloudy	32	0.330	<4	0.8	0.4	0.4	0.6	1.4
BGC	Portion A Section 4	19/07/2018-20/08/2018	DG13	Tyndale	org. matter/cloudy	32	0.180	<4	1.5	0.6	0.8	0.3	1.7
Pacific Complete	Portion B Section 5	N/A	DDG 5-06	Watts Lane	N/A	N/A	N/A	<4	N/A	N/A	N/A	N/A	N/A
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-08	Serpentine Channel North	cloudy/org. matter	31	0.030	<4	0.4	0.3	0.1	0.0	0.4
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-09	Chatsworth South East	cloudy/org. matter	31	0.075	<4	2.8	2.3	0.5	0.0	2.8
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-11	Fischers Lane - Control Gauge	org. matter	31	0.090	<4	0.5	0.5	0.0	0.0	0.5
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-12	Fischers Lane	org. matter	31	0.140	<4	0.9	0.7	0.2	0.2	1.0
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-13	Mororo Bridge South West	cloudy/org. matter	31	0.190	<4	3.5	1.9	1.6	1.9	5.4
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-14	Garretts Lane West	cloudy/org. matter	31	0.070	<4	0.7	0.5	0.2	0.0	0.7
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-15	Garretts Lane North	cloudy/org. matter	31	0.030	<4	1.3	0.8	0.5	0.5	1.8
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-16	Iluka Road Compound	-	31	0.150	<4	0.5	0.4	0.1	0.0	0.6
Pacific Complete	Portion B Section 5	21/07/2018 - 20/08/2018	DDG 5-17	Woombah Woods Caravan Park	cloudy/org. matter	31	0.175	<4	0.5	0.3	0.1	0.1	0.5
BMD	Portion B Section 6	22/07/2018 - 22/08/2018	DDG1	dry	DDG1	31	0.200	<4	0.3	0.3	0.0	0.0	0.6
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG15	Ellem Property	cloudy/org. matter	29	0.980	<4	1.9	1.1	0.8	2.1	4.0
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG16	McLaren Property	cloudy/org. matter	29	0.850	<4	0.4	0.4	0.2	1.0	1.4
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG17	De-Winton Property / Control	cloudy/org. matter	29	0.850	<4	0.7	0.1	0.3	1.0	1.7
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG18	Jacky Bulbin Road	cloudy/org. matter	29	0.750	<4	1.1	0.6	0.4	1.4	2.5
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG19	Rainbow	cloudy/org. matter	29	0.650	<4	0.5	0.3	0.1	0.8	1.3
BMD	Portion B Section 6	21/06/2018 - 20/07/2018	DDG20	Devils Pulpit	cloudy/org. matter	29	0.750	<4	4.2	3.6	0.7	4.5	8.7
SEE Civil	Portion B Section 5	21/06/2018 - 24/07/2018	DDG 5-02	Highland Ridge, Maclean	org. matter	33	0.630	<4	0.8	0.4	0.4	0.0	0.0
SEE Civil	Portion B Section 5	21/06/2018 - 24/07/2018	DDG 5-03	132 Farlow's Lane, Maclean	org. matter	33	0.680	<4	1.1	0.6	0.5	0.3	0.3
SEE Civil	Portion B Section 5	21/06/2018 - 24/07/2018	DDG 5-04	Behind Fill 5-1 East	org. matter	33	0.330	<4	0.2	0.0	0.2	0.8	0.8

Contractor	Location	Exposure Period - Date on / Date off (DD/MM/YY)	Sample 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)
								<4	21.6	3.7	17.9	41.7	41.7
SEE Civil	Portion B Section 5	21/06/2018 - 24/07/2018	DDG 5-05	Fill 5.4 South	brown/org. matter	33	1,050						
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 7	7-Control	Cloudy / organic matter	33	1,170	<4	1.0				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 7-1	7-1 Serendipity	-	33	0,950	<4	0.0				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 7-2	7-2 New Italy	-	33	1,100	<4	0.8				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 7-3	7-3 Whites Rd	Organic matter	33	1,000	<4	1.2				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 8-1	8-1 Gap Rd	Dry - 0.2L mill Q added	33	0,200	<4	0.2				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 8-2	8-2 Watson St	Fine organic matter	33	0,910	<4	0.2				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 8-4	8-4 Lang Hill	Dry - 0.2L mill Q added	33	0,200	<4	0.6				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 8-5	8-5 Trustmans Hill Rd	Cloudy / organic matter	33	0,870	<4	1.9				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 9-2	9-2 Broadwater-Evans Head Rd	Bees	33	0,640	<4	1.1				
CPB	Portion C	21/06/2018 - 24/07/2018	DDG 9-3	9-3 Pacific Highway CH141709	-	33	0,890	<4	0.3				
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-03	DDG 10-03	Organic Matter	31	1,080	<4	1.1	0.3	0.8	1.3	2.4
								<4	13.3	8.2	5.2	29.1	42.4
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-04	DDG 10-04	Brown Organic matter	31	1,140						
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-05	DDG 10-05	Organic Matter	31	1,300	<4	2.0	0.3	1.7	1.6	3.6
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-06	DDG 10-06		31	1,260	<4	2.0	1.1	1.0	1.2	3.3
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-07	DDG 10-07		31	1,300	<4	1.2	0.4	0.9	1.3	2.5
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-08	DDG 10-08		31	1,450	<4	1.2	0.3	0.9	0.6	1.8
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-09	DDG 10-09	Brown Organic matter	31	1,360	<4	8.8	0.3	8.4	6.8	15.5
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-10	DDG 10-10		31	1,430	<4	1.3	0.5	0.9	1.3	2.7
LendLease	Portion D Section 10	20/06/2018 - 19/07/2018	DDG 10-11	DDG 10-11		31	1,350	<4	0.9	0.1	0.8	1.5	2.4
LendLease	Portion D Section 11	20/06/2018 - 19/07/2018	DDG 10-12	DDG 10-12		31	1,510	<4	1.0	0.5	0.5	1.4	2.4
LendLease	Portion D Section 11	20/06/2018 - 19/07/2018	DDG 11-01	DDG 11-01	Organic Matter	31	1,580	<4	2.5	1.1	1.4	1.9	4.4
LendLease	Portion D Section 11	20/06/2018 - 19/07/2018	DDG 11-02	DDG 11-02		31	1,330	<4	1.6	0.6	1.0	1.7	3.2
LendLease	Portion D Section 11	20/06/2018 - 19/07/2018	DDG 11-03	DDG 11-03		31	1,550	<4	1.3	0.5	0.8	1.8	3.1
LendLease	Portion D Section 11	20/06/2018 - 19/07/2018	DDG 11-04	DDG 11-04 (Control)	Control	31	1,420	<4	0.6	0.1	0.5	1.9	2.5
Quickway	Portion D Section 10	20/07/2018 - 20/08/2018	DDG 10-13	H3293/1	Cloudy/org. matter	31	0,070	<4	3.0	2.8	0.2	0.0	3.0
Quickway	Portion D Section 10	20/07/2018 - 20/08/2018	DDG 10-14	H3293/2	org. matter	31	0,130	<4	1.1	1.0	0.1	0.0	1.1
Quickway	Portion D Section 10	20/07/2018 - 20/08/2018	DDG 10-15	H3293/3	org. matter	31	0,085	<4	0.6	0.5	0.2	0.0	0.6
								<4	9.1	4.0	5.1	10.1	19.1
LendLease	Portion F RRB	21/05/2018 - 20/06/2018	DDG 10 - 02	RRB - S: DDG 10 - 02	brown/org. matter	29	1,270						
LendLease	Portion F RRB	21/05/2018 - 20/06/2018	DDG 10 - 03	RRB - N: DDG 10 - 03	org. matter	29	1,080	<4	1.1	0.3	0.8	1.3	2.4
LendLease	Portion F RRB	21/05/2018 - 20/06/2018	DDG 10 - 01	RRB - C: DDG 10 - 01	cloudy/org. matter	29	1,080	<4	1.0	0.6	0.4	1.0	2.0
AFHJV	Portion E	01/08/2018 - 05/09/2018	DDG1		Approx 1/3 full. Some mould, decomposing spider + 2 x insects. Hole in funnel	35	-	<4	1.8	0.6	1.1	1.9	3.6
AFHJV	Portion E	01/08/2018 - 05/09/2018	DDG2		Spider webs, decomposing spider and small insects. Funnel lodged with berry	35	-	<4	0.4	0.2	0.2	1.3	1.7
AFHJV	Portion E	01/08/2018 - 05/09/2018	DDG3		Approx 1/3 full. Small stick, low suspended solids, 2 x small insect, some soil binder (green) residue observed	35	-	<4	1.5	1.1	0.3	0.7	2.2
AFHJV	Portion E	01/08/2018 - 05/09/2018	DDG4		1/4 full. Some minor can ash and 1 x small insect observed	35	-	<4	0.7	0.5	0.2	0.7	1.4
AFHJV	Portion E	01/08/2018 - 05/09/2018	DDG5		Approx 1/2 full. Some cane ash, grass and small insects and moth observed	35	-	<4	1.3	0.9	0.3	1.0	2.3
Georgiou	Portion G P213	05/07/2018 to 03/08/2018	DDG 11 - 05	Control		29	0,470	<4	0.1	3.0	0.1	0.6	0.6
Georgiou	Portion G P213	05/07/2018 to 03/08/2018	DDG 11 - 06	Sth Pac Hwy		29	0,440	<4	0.5	17.0	0.4	0.5	1.0
Georgiou	Portion G P213	05/07/2018 to 03/08/2018	DDG 11 - 07	North Smith Drive	Cloudy	29	0,540	<4	0.8	25.0	0.2	0.9	1.7
Georgiou	Portion G P213	03/08/2018 to 05/09/2018	DDG 11 - 05	Control		33	2,540	<4	0.5	16.0	0.0	0.0	0.5
Georgiou	Portion G P213	03/08/2018 to 05/09/2018	DDG 11 - 06	Sth Pac Hwy		33	2,150	<4	0.5	18.0	0.5	1.0	1.5
Georgiou	Portion G P213	03/08/2018 to 05/09/2018	DDG 11 - 07	North Smith Drive		33	2,120	<4	0.6	20.0	0.2	1.5	2.1