

## January 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 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)
SWC	Portion A S2	18/12/18 - 17/01/19	DDG2	H7819/1	org. matter	30	0.750	<4	2.0	1.1	0.9	0.7	2.6
SWC	Portion A S2	18/12/18 - 17/01/19	DDG3	H7819/2	brown/org. matter	30	0.430	<4	3.4	0.8	2.6	1.2	4.6
SWC	Portion A S2	18/12/18 - 17/01/19	DDG4	H7819/3	org. matter	30	0.570	<4	1.2	0.6	0.6	0.5	1.7
SWC	Portion A S2	18/12/18 - 17/01/19	DDG5	H7819/4	brown/org. matter	30	0.750	<4	1.2	0.1	1.1	1.0	2.2
SWC	Portion A S2	18/12/18 - 17/01/19	DDG6	H7819/5	brown/org. matter	30	0.860	<4	2.4	0.5	1.9	2.1	4.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG7	H7819/6	cloudy/org. matter	30	0.630	<4	3.9	0.9	2.9	1.6	5.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG8	H7819/7	brown/org. matter	30	0.500	<4	4.5	2.4	2.1	0.8	5.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG9	H7819/8	org. matter	30	0.830	<4	1.1	0.4	0.7	0.6	1.7
SWC	Portion A S2	18/12/18 - 17/01/19	DDG10	H7819/9	..	30	0.900	<4	0.9	0.5	0.4	0.6	1.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG11	H7819/10	org. matter	30	1.000	<4	0.8	0.5	0.4	0.6	1.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG12	H7819/11	dry/0.2L milli Q added	30	0.200	<4	0.2	0.2	0.1	2.0	2.2
SWC	Portion A S2	18/12/18 - 17/01/19	DDG13	H7819/12	brown/org. matter	30	0.940	<4	1.6	0.5	1.1	1.5	3.1
SWC	Portion A S2	18/12/18 - 17/01/19	DDG14	H7819/13	org. matter	30	0.700	<4	0.8	0.3	0.6	0.8	1.6
SWC	Portion A S2	18/12/18 - 17/01/19	DDG15	H7819/14	org. matter	30	1.000	<4	0.8	0.4	0.4	0.6	1.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG16	H7819/15	org. matter	30	0.920	<4	1.8	0.9	0.9	1.0	2.8
SWC	Portion A S2	18/12/18 - 17/01/19	DDG17	H7819/16	org. matter	30	0.910	<4	1.8	0.7	1.1	0.7	2.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG18	H7819/17	brown/org. matter	30	0.920	<4	1.5	0.5	1.0	0.9	2.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG19	H7819/18	org. matter	30	0.630	<4	1.5	0.5	1.0	1.1	2.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG20	H7819/19	org. matter	30	0.800	<4	1.3	0.6	0.7	0.6	1.9
SWC	Portion A S2	18/12/18 - 17/01/19	DDG21	H7819/20	dry/0.2L milli Q added	30	0.200	<4	0.1	0.0	0.0	0.1	0.2
SWC	Portion A S2	18/12/18 - 17/01/19	DDG22	H7819/21	..	30	0.900	<4	0.8	0.5	0.3	0.6	1.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG23	H7819/22	org. matter	30	0.720	<4	1.1	0.5	0.7	0.7	1.8
SWC	Portion A S2	18/12/18 - 17/01/19	DDG24	H7819/23	org. matter	30	0.560	<4	0.4	0.3	0.0	0.6	1.0
SWC	Portion A S2	18/12/18 - 17/01/19	DDG25	H7819/24	yellow/org. matter	30	1.000	<4	0.8	0.6	0.2	0.9	1.7
SWC	Portion A S2	18/12/18 - 17/01/19	DDG26	H7819/25	..	30	0.930	<4	0.5	0.5	0.0	0.5	1.0
SWC	Portion A S2	18/12/18 - 17/01/19	DDG27	H7819/26	org. matter	30	0.310	<4	1.6	0.8	0.7	0.5	2.0
SWC	Portion A S2	18/12/18 - 17/01/19	DDG28	H7819/27	org. matter	30	0.640	<4	0.4	0.4	0.0	0.1	0.4
SWC	Portion A S2	18/12/18 - 17/01/19	DDG29	H7819/28	org. matter	30	0.660	<4	0.5	0.4	0.0	1.0	1.5
SWC	Portion A S2	18/12/18 - 17/01/19	DDG30	H7819/29	brown/org. matter	30	0.050	<4	0.8	0.5	0.3	1.8	2.6
SWC	Portion A S2	18/12/18 - 17/01/19	DDG31	H7819/30	org. matter	30	0.810	<4	1.0	0.6	1.0	1.0	1.7
SWC	Portion A S2	18/12/18 - 17/01/19	DDG32	H7819/31	org. matter	30	0.330	<4	0.5	0.4	0.1	0.2	0.7
SWC	Portion A S2	18/12/18 - 17/01/19	DDG33	H7819/32	org. matter	30	1.000	<4	0.7	0.6	0.1	0.5	1.2
SWC	Portion A S2	18/12/18 - 17/01/19	DDG34	H7819/33	org. matter	30	0.900	<4	0.8	0.8	0.0	1.0	1.8
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG02	Tyndale	..	32	1.000	<4	0.0	0.0	0.0	0.5	0.6
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG03	Maloneys	yellow/org. matter	32	0.900	<4	2.6	1.3	1.3	14.0	16.6
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG04	Byrons Lane	yellow/org. matter	32	0.900	<4	8.6	4.3	4.3	2.3	10.9
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG05	Shark Creek	cloudy	32	0.100	<4	0.7	0.3	0.4	0.6	1.3
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG07	Clyde Essex Dr	brown/org. matter	32	1.000	<4	7.4	1.1	6.4	2.2	9.6
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG1A	Schonberg Street	org. matter	32	0.730	<4	0.4	0.2	0.2	0.5	0.9
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG08	Causleys	dry/0.2L milli Q added	32	0.200	<4	0.3	0.2	0.1	1.8	2.1
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG09	BP Lane	org. matter	32	0.830	<4	0.4	0.3	0.3	0.6	1.0
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG10	Visitor Info Centre	org. matter	32	0.620	<4	1.0	0.7	0.1	0.7	1.7
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG11	Motel	org. matter	32	0.980	<4	0.5	0.4	0.1	0.6	1.1
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG12	M11 Norley - Byron	..	32	1.000	<4	0.5	0.4	0.1	0.7	1.2
BGC	Portion A Section 4	18/12/18 - 17/01/19	DG13	Tyndale	..	32	1.220	<4	0.8	0.8	0.0	0.6	1.5
Golding	Portion B Section 5	22/12/18 - 22/1/19	DDG5-7	1	Results not available at time of report			<4					
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-06	Watts Lane	org. matter	31	0.220	<4	1.4	1.2	0.3	0.4	1.8
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-08	Serpentine Channel North	org. matter	31	0.600	<4	2.9	2.5	0.4	1.1	4.0
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-09	Chatsworth South East	org. matter	31	0.800	<4	1.0	0.7	0.3	0.7	1.7
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-10	Chatsworth Village	insects/org. matter	31	0.370	<4	1.7	1.0	0.7	1.3	2.9

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										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	17/12/18 - 17/01/19	DDG 5-11	Fischers Lane - Control Gauge	..	31	0.480	<4	0.8	0.5	0.3	0.8	1.6
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-12	Fischers Lane	brown/org. matter	31	0.340	<4	2.7	1.6	1.1	1.5	4.2
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-13	Mororo Bridge South West	org. matter	31	0.670	<4	2.1	1.6	0.4	1.0	3.0
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-14	Garretts Lane West	org. matter	31	0.670	<4	1.9	1.3	0.6	0.7	2.5
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-15	Garretts Lane North	org. matter	31	0.520	<4	1.3	0.8	0.5	0.8	2.1
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-16	Ituka Road Compound	..	31	0.830	<4	1.1	0.8	0.3	0.9	2.0
Pacific Complete	Portion B Section 5	17/12/18 - 17/01/19	DDG 5-17	Woombah Woods Caravan Park	leaves/org. matter	31	0.420	<4	0.9	0.5	0.4	0.8	1.7
Pacific Complete	Portion B Section 5	17/01/2019	DDG 5-18	Castles Stockpile Area	----	-	----	<4	-	----	----	----	----
SEE Civil	Portion B Section 5	8/1/19 - 22/1/19	DDG 5-02	Highland Ridge, Maclean	dry / 0.2L milli Q added	14	0.200	<4	0.0	0.0	0.0	0.1	0.1
SEE Civil	Portion B Section 5	8/1/19 - 22/1/19	DDG 5-03	132 Farlows Lane, Maclean	org. matter	0.11	0.110	<4	1.0	1.0	0.6	0.5	1.5
SEE Civil	Portion B Section 5	8/1/19 - 22/1/19	DDG 5-04	Behind Fill 5-1 East	org. matter	0.065	0.065	<4	0.4	0.4	0.3	0.0	0.4
SEE Civil	Portion B Section 5	8/1/19 - 22/1/19	DDG 5-05	Fill 5.4 South	dry / 0.2L milli Q added	0.2	0.200	<4	1.4	1.4	0.8	0.8	2.3
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG15	Ellem Property	27	1.000	<4	1.0	0.6	0.4	1.5	2.5	
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG16	McLaren Property	27	0.830	<4	1.5	1.2	0.3	1.2	2.7	
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG17 Control	De-Winton Property	27	1.100	<4	0.8	0.5	0.2	1.1	1.8	
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG18	Jacky Bulbin Road	27	1.100	<4	1.6	1.2	0.4	1.0	2.6	
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG19	Rainbow	org. matter	27	1.100	<4	1.5	0.8	0.7	1.5	3.1
BMD	Portion C Section 6	21/11/18 - 18/12/18	DDG20	Devils Pulpit	27	1.100	<4	1.3	0.9	0.4	1.2	2.4	
CPB	Portion C Section 7	03/12/18-19/12/18	DDG 8-4	H7081/6	Brown org matter	16	0.790	<4	1.5				
CPB	Portion C Section 7	03/12/18-19/12/18	DDG 9-2	H7081/8		16	1.000	<4	0.6				
CPB	Portion C Section 7	03/12/18-19/12/18	DDG 9-3	H7081/9	Cloudy	16	1.000	<4	0.8				
CPB	Portion C Section 7	12/19/18-19/12/18	DDG 8-5	H7081/7	insects/brown. DDG replaced 12/12/18. Knocked down and smashed by slasher.	7	0.017	<4	1.8				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 7 Control	H7590/1	cloudy / insects / org. matter	27		<4	2.1				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 7-1	H7590/2	cloudy / insects / org. matter	27		<4	1.0				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 7-2	H7590/3	cloudy / insects / org. matter	27		<4	1.1				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 7-3	H7590/4	cloudy / insects / org. matter	27		<4	1.0				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 8-1	H7590/5	cloudy / insects / org. matter	27		<4	1.8				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 8-2	H7590/6	cloudy / insects / org. matter	27		<4	0.9				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 8-4	H7590/7	cloudy / insects / org. matter	27		<4	1.1				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 8-5	H7590/8	cloudy / insects / org. matter	27		<4	1.4				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 9-2	H7590/9	cloudy / insects / org. matter	27		<4	0.9				
CPB	Portion C Section 7	19/12/18-16/01/18	DDG 9-3	H7590/10	cloudy / insects / org. matter	27		<4	0.7				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 7 Control	H7081/1	insect, cloudy, field notes indicate approx 40-50 beetles in DDG	26	1.530	<4	8.0				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 7-1	H7081/2	org. matter	26	1.190	<4	0.3				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 7-2	H7081/3	org. matter	26	1.400	<4	1.4				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 7-3	H7081/4	org. matter	26	1.460	<4	0.8				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 8-1	H7081/5	org. matter	26	1.650	<4	1.3				
CPB	Portion C Section 7	23/11/18-19/12/18	DDG 8-2	N/A	DDG knocked over, no results month	26	N/A	<4	N/S				
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-03	DDG 10-03	beetles/org. matter	28	0.740	<4	1.8	0.9	0.9	2.0	3.9
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-04	DDG 10-04	brown/org. matter/beetles	28	0.300	<4	10.8	4.0	6.8	6.2	17.0
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-05	DDG 10-05	brown/org. matter/beetles	28	0.220	<4	5.0	2.2	3.6	2.8	8.7
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-06	DDG 10-06	org. matter	28	0.650	<4	1.2	0.8	0.9	0.9	2.1
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-07	DDG 10-07	cloudy/org. matter/beetles	28	0.650	<4	5.6	3.2	2.4	3.8	9.4
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-08	DDG 10-08	cloudy/org. matter	28	0.620	<4	7.3	3.1	4.2	5.1	12.4
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-09	DDG 10-09	cloudy/org. matter	28	0.430	<4	4.4	2.7	1.7	2.0	6.4
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-10	DDG 10-10	..	28	0.670	<4	1.1	0.7	0.4	0.9	2.0
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-11	DDG 10-11	..	28	0.070	<4	0.9	0.7	0.2	0.0	0.9
Lend/Lease	Portion D Section 10	21/11/18 - 19/12/18	DDG 10-12	DDG 10-12	..	28	0.380	<4	1.2	0.8	0.4	0.8	2.0
Lend/Lease	Portion D Section 11	21/11/18 - 19/12/18	DDG 11-01	DDG 11-01	..	28	0.250	<4	1.0	0.7	0.3	0.6	1.6
Lend/Lease	Portion D Section 11	21/11/18 - 19/12/18	DDG 11-02	DDG 11-02	beetles/org. matter	28	0.580	<4	1.9	1.2	0.4	1.3	3.2
Lend/Lease	Portion D Section 11	21/11/18 - 19/12/18	DDG 11-03	DDG 11-03	cloudy/org. matter/beetles	28	0.280	<4	11.1	5.4	2.3	3.0	13.4
Lend/Lease	Portion D Section 11	21/11/18 - 19/12/18	DDG 11-04	DDG 11-04 (Control)	cloudy/ants	28	0.330	<4	3.8	1.8	0.7	3.0	6.8
Quickway	Portion D Section 10	17/12/18 - 17/01/18	DDG 10-13	H7653/1	Insects and plant matter present in sample. Approx. 8 mm of water in sample bottle.	31	0.470	<4	1.5	0.9	0.7	0.8	2.3
Quickway	Portion D Section 10	17/12/18 - 17/01/18	DDG 10-14	H7653/2	Insects present in sample. Approx. 10 mm of water in sample bottle.	31	0.370	<4	1.8	1.2	0.6	1.3	3.1

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										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
Quickway	Portion D Section 10	17/12/18 - 17/01/18	DDG 10-15	H7653/3	Insects present in sample. Approx. 10 mm of water in sample bottle	31	0.560	<4	1.9	1.4	0.5	1.0	2.9
Quickway	Portion D Section 10	17/12/18 - 17/01/18	DDG 10-16	H7653/4	Insects present in sample, spider web in funnel. Approx. 10 mm of water in sample bottle.	31	0.750	<4	0.9	0.8	0.2	0.7	1.7
AFHJV	Portion E	07/12/18 - 09/01/19	DDG1	Insects		33	1.600	4	1.8	0.9	0.9	1.6	3.4
AFHJV	Portion E	07/12/18 - 09/01/19	DDG2	Insects		33	1.720	4	2.8	1.8	1.0	1.9	4.7
AFHJV	Portion E	07/12/18 - 09/01/19	DDG3	Insects		33	0.360	4	2.2	1.8	0.4	0.9	3.1
AFHJV	Portion E	07/12/18 - 09/01/19	DDG4	Insects		33	1.570	4	2.0	1.7	0.3	1.4	3.4
AFHJV	Portion E	07/12/18 - 09/01/19	DDG5	Broken Bottle - Bottle replaced for next sampling period		-	-	4	-	-	-	-	-
LendLease	Portion F	21/11/18 - 19/12/18	DDG 10 - 02	RRB - S: DDG 10 - 02	Cloudy/org.matter/beetles	28	0.660	<4	5.6	1.6	4.0	4.3	9.9
LendLease	Portion F	21/11/18 - 19/12/18	DDG 10 - 03	RRB - N: DDG 10 - 03	beetles/org. matter	28	0.740	<4	1.8	0.9	0.9	2.0	3.9
LendLease	Portion F	21/11/18 - 19/12/18	DDG 10 - 01	RRB - C: DDG 10 - 01	cloudy/org. matter	28	2.800	<4	2.8	1.3	1.5	2.3	5.1
Georgiou Group	Portion G	6/12/18 - 8/1/19	DDG 11 - 05	DDG 11 - 05 - Control	beetles/org. matter	33	0.620	<4	1.0	0.6	0.4	1.0	2.1
Georgiou Group	Portion G	6/12/18 - 8/1/19	DDG 11 - 06	DDG 11 - 06 - Sth	org. matter	33	0.650	<4	0.8	0.5	0.3	0.9	1.7
Georgiou Group	Portion G	6/12/18 - 8/1/19	DDG 11 - 07	DDG 11 - 07 - Nth	org. matter	33	0.500	<4	1.3	0.5	0.8	1.1	2.4