

July 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 g/m ² /month	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	A S3	17/6/19 - 17/7/19	DDG2	4038/1	fine org. matter	30	1,500	<4	0.31	0.19	0.12	1.22	1.53	
SWC	A S3	17/6/19 - 17/7/19	DDG5	4038/2	yellow, fine org. matter	30	1,100	<4	0.87	0.29	0.58	3.87	4.75	
SWC	A S3	17/6/19 - 17/7/19	DDG4	4038/3	..	30	1,300	<4	0.44	0.23	0.21	0.90	1.35	
SWC	A S3	17/6/19 - 17/7/19	DDG5	4038/4	yellow, fine org. matter	30	1,000	<4	1.17	0.45	0.72	1.77	2.94	
SWC	A S3	17/6/19 - 17/7/19	DDG6	4038/5	fine org. matter	30	1,220	<4	0.37	0.14	0.24	1.13	1.51	
SWC	A S3	17/6/19 - 17/7/19	DDG7	4038/6	fine org. matter	30	1,250	<4	0.88	0.57	0.31	1.17	2.05	
SWC	A S3	17/6/19 - 17/7/19	DDG8	4038/7	fine org. matter	30	1,000	<4	0.21	0.08	0.13	1.26	1.47	
SWC	A S3	17/6/19 - 17/7/19	DDG9	4038/8	fine org. matter	30	1,320	<4	0.60	0.06	0.55	1.31	1.91	
SWC	A S3	17/6/19 - 17/7/19	DDG10	4038/9	..	30	1,300	<4	0.32	0.10	0.22	1.14	1.47	
SWC	A S3	17/6/19 - 17/7/19	DDG11	4038/10	leaf	30	1,530	<4	0.23	0.10	0.12	1.34	1.56	
SWC	A S3	17/6/19 - 17/7/19	DDG12	4038/11	..	30	0,200	<4	0.09	0.06	0.03	0.11	0.20	
SWC	A S3	17/6/19 - 17/7/19	DDG13	4038/12	yellow, fine org. matter	30	1,250	<4	0.63	0.18	0.45	1.94	2.57	
SWC	A S3	17/6/19 - 17/7/19	DDG14	4038/13	grass, yellow, fine org. matter	30	1,400	<4	0.24	0.10	0.14	1.56	1.80	
SWC	A S3	17/6/19 - 17/7/19	DDG15	4038/14	..	30	0,500	<4	0.10	0.03	0.07	0.42	0.52	
SWC	A S3	17/6/19 - 17/7/19	DDG16	4038/15	..	30	1,200	<4	0.34	0.12	0.22	0.97	1.31	
SWC	A S3	17/6/19 - 17/7/19	DDG17	4038/16	yellow, fine org. matter	30	1,400	<4	1.45	0.89	0.55	1.52	2.96	
SWC	A S3	17/6/19 - 17/7/19	DDG18	4038/17	yellow, fine org. matter	30	1,530	<4	1.13	0.58	0.55	2.37	3.49	
SWC	A S3	17/6/19 - 17/7/19	DDG19	4038/18	..	30	1,500	<4	0.71	0.41	0.31	1.32	2.03	
SWC	A S3	17/6/19 - 17/7/19	DDG20	4038/19	..	30	1,400	<4	0.35	0.14	0.21	1.18	1.52	
SWC	A S3	17/6/19 - 17/7/19	DDG21	4038/20	..	30	0,450	<4	0.25	0.16	0.08	0.03	0.28	
SWC	A S3	17/6/19 - 17/7/19	DDG22	4038/21	..	30	2,000	<4	0.50	0.23	0.27	1.47	1.97	
SWC	A S3	17/6/19 - 17/7/19	DDG23	4038/22	..	30	1,850	<4	0.59	0.27	0.19	1.32	1.59	
SWC	A S3	17/6/19 - 17/7/19	DDG24	4038/23	..	30	1,380	<4	0.52	0.19	0.33	1.21	1.73	
SWC	A S3	17/6/19 - 17/7/19	DDG25	4038/24	pine needles, yellow, fine org. matter	30	1,200	<4	0.88	0.23	0.65	4.05	4.93	
SWC	A S3	17/6/19 - 17/7/19	DDG26	4038/25	..	30	1,400	<4	0.33	0.25	0.08	1.13	1.47	
SWC	A S3	17/6/19 - 17/7/19	DDG27	4038/26	..	30	1,330	<4	0.32	0.08	0.24	1.09	1.41	
SWC	A S3	17/6/19 - 17/7/19	DDG28	4038/27	..	30	1,200	<4	1.20	0.94	0.26	0.97	2.16	
SWC	A S3	17/6/19 - 17/7/19	DDG29	4038/28	cloudy, fine org. matter	30	1,350	<4	2.13	0.93	1.20	1.84	3.97	
SWC	A S3	17/6/19 - 17/7/19	DDG30	4038/29	..	30	1,100	<4	0.30	0.12	0.17	0.98	1.28	
SWC	A S3	17/6/19 - 17/7/19	DDG31	4038/30	..	30	1,380	<4	0.41	0.10	0.31	1.26	1.67	
SWC	A S3	17/6/19 - 17/7/19	DDG32	4038/31	..	30	1,100	<4	0.19	0.10	0.09	1.05	1.24	
SWC	A S3	17/6/19 - 17/7/19	DDG33	4038/32	..	30	1,500	<4	0.46	0.36	0.10	1.55	2.01	
SWC	A S3	17/6/19 - 17/7/19	DDG34	4038/33	..	30	1,250	<4	0.14	0.11	0.03	1.13	1.27	
BGC	A S4	21/06/2019-18/07/2019	DDG2	Tyndale	fine org. matter	27	1,570	<4	1.90	0.80	1.10	2.10	4.00	
BGC	A S4	21/06/2019-18/07/2019	DG03	Miskenys	brown, fine org. matter	27	1,750	<4	9.20	1.10	8.10	23.40	32.60	
BGC	A S4	21/06/2019-18/07/2019	DG04	Byrons Lane	..	27	1,850	<4	0.80	0.20	0.60	1.60	2.30	
BGC	A S4	21/06/2019-18/07/2019	DG05	Shark Creek	fine org. matter	27	1,780	<4	1.80	1.00	0.90	2.00	3.90	
BGC	A S4	21/06/2019-18/07/2019	DG07	Clyde Essex Drive	brown, fine org. matter	27	1,870	<4	5.60	0.10	5.40	31.20	36.70	
BGC	A S4	21/06/2019-18/07/2019	DG1A	Schonberg St	..	27	2,400	<4	0.60	0.00	0.60	1.50	2.20	
BGC	A S4	21/06/2019-18/07/2019	DG08	Causleys	cloudy, fine org. matter	27	1,800	<4	5.70	3.00	2.70	2.80	8.50	
BGC	A S4	21/06/2019-18/07/2019	DG09	BP Lane	..	27	2,100	<4	0.90	0.30	0.60	1.50	2.40	
BGC	A S4	21/06/2019-18/07/2019	DG10	Visitor Info Centre	..	27	1,900	<4	1.00	0.20	0.80	1.70	2.60	
BGC	A S4	21/06/2019-18/07/2019	DG11	Motel	fine org. matter	27	2,350	<4	2.10	0.50	1.60	2.60	4.60	
BGC	A S4	21/06/2019-18/07/2019	DG12	M11 Nottley - Byron	fine org. matter	27	1,800	<4	1.80	0.20	0.90	1.70	2.80	
BGC	A S4	21/06/2019-18/07/2019	DG13	Tyndale	fine org. matter	27	1,650	<4	0.90	0.40	0.60	1.20	2.20	
Golding	B S5	22/05/2019-22/06/2020	DDG5-07	Palm Lane	..	30	0,550	<4	0.18					
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-03	DDG 5-03	Farlows Lane, Maclean		29	2,300	<4		0.27			
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-04	DDG 5-04	Fill 5.1 East, FarlowsFlat		29	1,800	<4	0.36	0.19	0.17	0.76	1.11
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-05	DDG 5-05	Fill 5.4 East, Yamba Interchange		29	2,100	<4	4.84	2.87	1.97	4.03	8.86
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-06	DDG 5-06	Watts Lane		29	2,200	<4	1.57	1.21	0.36	2.51	4.08
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-08	DDG 5-08	Serpentine Channel North		29	2,200	<4	0.77	0.39	0.39	2.03	2.80
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-09	DDG 5-09	Chatsworth South East		29	2,400	<4	2.25	0.70	1.55	2.86	5.11
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-10	DDG 5-10	Chatsworth Village		29	2,100	<4	1.4	0.6	0.8	1.9	3.3

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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	B S5	18/06/2019 - 17/07/2019	DDG 5-11	DDG 5-11	Fischers Lane - Control Gauge	29	2.630	<4	1.17	0.68	0.49	2.26	3.43
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-12	DDG 5-12	Fischers Lane	29	2.500	<4	0.73	0.32	0.41	2.59	3.33
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-13	DDG 5-13	Mororo Bridge South West	29	2.400	<4	1.26	0.70	0.56	2.78	4.05
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-14	DDG 5-14	Garretts Lane West	29	2.730	<4	0.96	0.35	0.61	2.25	3.21
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-15	DDG 5-15	Garretts Lane North	29	2.320	<4	0.49	0.24	0.24	2.40	2.89
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-16	DDG 5-16	Iluka Road Compound	29	2.750	<4	0.68	0.13	0.55	2.46	3.14
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-17	DDG 5-17	Woombah Woods Caravan Park	29	3.100	<4	0.76	0.15	0.62	2.65	3.42
Pacific Complete	B S5	18/06/2019 - 17/07/2019	DDG 5-18	DDG 5-18	Castles Stockpile Area	29	2.550	<4	20.00	9.26	10.75	5.99	26.00
BMD	C S6	22/5/2019 - 21/6/2019	DDG15	Ellem Property	cloudy, org matter	30	0.270	<4	1.40	0.70	0.60	0.50	1.90
BMD	C S6	22/5/2019 - 21/6/2019	DDG16	McLaren Property	org matter	30	0.300	<4	0.50	0.40	0.10	0.20	0.70
BMD	C S6	22/5/2019 - 21/6/2019	DDG17	De-winton Property / Control	insects, org matter	30	0.500	<4	0.40	0.20	0.30	0.40	0.80
BMD	C S6	22/5/2019 - 21/6/2019	DDG18	Jackybulbin Road	cloudy, org matter	30	0.430	<4	1.90	0.90	1.00	1.00	2.90
BMD	C S6	22/5/2019 - 21/6/2019	DDG19	Rainbow	cloudy, org matter	30	0.370	<4	2.10	1.30	0.80	3.50	5.50
BMD	C S6	22/5/2019 - 21/6/2019	DDG20	Devils Pulpit	org matter	30	0.460	<4	1.40	0.80	0.50	0.30	1.70
CPB					not available at time of report								
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-03	1	org. matter	31	1.460	<4	0.38	0.21	0.18	0.80	1.18
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-04	2	org. matter	31	1.200	<4	0.22	0.07	0.16	0.58	0.81
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-05	3	org. matter	31	1.140	<4	0.42	0.25	0.17	0.59	1.01
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-06	4	org. matter	31	1.340	<4	0.70	0.32	0.38	0.73	1.43
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-07	5	cloudy, org matter	31	1.170	<4	1.20	0.43	0.77	2.94	4.14
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-08	6	insects, org matter	31	1.350	<4	0.46	0.13	0.33	0.70	1.16
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-09	7	brown, org matter	31	1.410	<4	5.25	0.31	4.94	14.84	20.09
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-10	8	org matter	31	1.280	<4	0.21	0.04	0.17	0.38	0.59
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-11	9	org matter	31	1.330	<4	0.48	0.32	0.16	0.74	1.23
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 10-12	10	org matter	31	1.280	<4	0.42	0.28	0.14	0.75	1.18
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 11-01	11	org matter	31	1.580	<4	0.80	0.30	0.50	1.45	2.25
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 11-02	12	org matter	31	2.000	<4	0.44	0.32	0.12	0.95	1.39
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 11-03	13	org matter	31	1.580	<4	0.65	0.52	0.13	1.17	1.82
Lend/Lease	D S10	20/05/2019-20/06/2019	DDG 11-04	14 - Control	cloudy, org matter	31	1.270	<4	1.81	0.77	1.04	1.94	3.74
Quickway	D S10	17/05/2019 - 18/06/2019	DDG 10-13	3927/1	bulk or earthworks completed, construction area generally stable. Insects and seeds in sample. Approx. 300 mm of water in sample bottle. Slightly above average rainfall during sample period.	29	4.000	<4	3.98	3.09	0.89	3.80	7.78
Quickway	D S10	17/05/2019 - 18/06/2019	DDG -10-14	3927/2	bulk or earthworks completed, construction area generally stable. Insects and plant matter in sample. Recent slashing. Approx. 250 mm of water in sample bottle. Slightly above average rainfall during sample period.	29	3.000	<4	0.53	0.18	0.35	3.35	3.88
Quickway	D S10	17/05/2019 - 18/06/2019	DDG -10-15	3927/3	bulk or earthworks completed, construction area generally stable. Insects in sample. Approx. 300 mm of water in sample bottle. Slightly above average rainfall during sample period.	29	3.640	<4	0.30	0.00	0.30	3.95	4.25
Quickway	D S10	17/05/2019 - 18/06/2019	DDG -10-16	3927/4	bulk or earthworks completed, construction area generally stable. Insects and seeds in sample. Approx. 300 mm of water in sample bottle. Slightly above average rainfall during sample period.	29	3.600	<4	0.89	0.51	0.38	4.00	4.88
Lend/Lease	F RRB	20/5/2019 - 20/6/2019	DDG 10 - 02	RRB - S: DDG 10 - 02	org matter	31	1.510	<4	0.60	0.45	0.20	0.40	1.10
Lend/Lease	F RRB	20/5/2019 - 20/6/2019	DDG 10 - 03	RRB - N: DDG 10 - 03	org matter	31	1.460	<4	0.40	0.21	0.20	0.80	1.20
Lend/Lease	F RRB	20/5/2019 - 20/6/2019	DDG 10 - 01	RRB - C: DDG 10 - 01	org matter	31	1.560	<4	0.50	0.30	0.20	0.80	1.30
Georgiou	P2T	8/06/2019 - 08/07/2019	DDG 11 - 05 - C	DDG 11 - 05 - Control	org matter	31	1.150	<4	0.40	0.00	0.40	1.20	1.60
Georgiou	P2T	8/06/2019 - 08/07/2019	DDG 11 - 06 - S	DDG 11 - 06 - Sth	org matter	31	1.000	<4	0.50	0.10	0.40	0.80	1.30

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Georgiou	P2T	8/06/2019 - 08/07/2019	DDG 11 - 07 - Nth	DDG 11 - 07 - Nth	org. matter	31	0.940	<4	0.40	0.00	0.30	1.00	1.40