

## October 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)	Laboratory Results					
								Target Total Suspended Solids (g/m2/month)	Total Suspended Solids (g/m2/month) <4 g/m2/month	Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
SWC	A	18/09/18 - 18/10/18	DDG2	H5085/1	org. matter	30	2.58	4	2.9	1.5	1.3	1.7	4.6
SWC	A	18/09/18 - 18/10/18	DDG3	H5085/2	org. matter	30	1.78	4	1.5	0.6	0.9	1.5	3.0
SWC	A	18/09/18 - 18/10/18	DDG4	H5085/3	org. matter	30	2.30	4	1.2	0.0	1.2	2.3	3.5
SWC	A	18/09/18 - 18/10/18	DDG5	H5085/4	brown/org. matter	30	1.83	4	1.7	0.3	1.4	3.9	5.6
							4.68	4	6.7	2.1	4.6	14.4	21.1
SWC	A	18/09/18 - 18/10/18	DDG6	H5085/5	brown/org. matter	30							
SWC	A	18/09/18 - 18/10/18	DDG7	H5085/6	org. matter	30	2.20	4	1.3	0.3	1.0	2.6	3.8
SWC	A	18/09/18 - 18/10/18	DDG8	H5085/7	org. matter	30	1.80	4	1.2	0.0	1.2	1.8	3.1
SWC	A	18/09/18 - 18/10/18	DDG9	H5085/8	org. matter	30	2.20	4	1.7	0.0	1.7	2.0	3.8
SWC	A	18/09/18 - 18/10/18	DDG10	H5085/9	org. matter	30	2.20	4	1.2	0.3	1.0	1.5	2.7
SWC	A	18/09/18 - 18/10/18	DDG11	H5085/10	org. matter	30	2.75	4	1.2	0.3	0.9	1.6	2.8
SWC	A	18/09/18 - 18/10/18	DDG12	H5085/11	org. matter	30	2.60	4	0.3	0.1	0.1	1.4	1.7
SWC	A	18/09/18 - 18/10/18	DDG13	H5085/12	brown/org. matter	30	2.33	4	0.8	0.4	0.4	3.7	4.5
SWC	A	18/09/18 - 18/10/18	DDG14	H5085/13	org. matter	30	2.70	4	0.9	0.6	0.2	2.4	3.3
SWC	A	18/09/18 - 18/10/18	DDG15	H5085/14	-	30	2.93	4	0.6	0.3	0.3	2.4	3.0
SWC	A	18/09/18 - 18/10/18	DDG16	H5085/15	brown/org. matter	30	2.40	4	3.1	1.8	1.4	16.0	19.1
SWC	A	18/09/18 - 18/10/18	DDG17	H5085/16	light brown/org. matter	30	2.45	4	1.6	1.1	0.5	2.3	4.0
SWC	A	18/09/18 - 18/10/18	DDG18	H5085/17	light brown/org. matter	30	2.33	4	1.7	0.1	1.6	4.9	6.6
SWC	A	18/09/18 - 18/10/18	DDG19	H5085/18	org. matter	30	2.48	4	1.5	1.0	0.5	3.2	4.7
SWC	A	18/09/18 - 18/10/18	DDG20	H5085/19	org. matter	30	2.94	4	0.6	0.6	0.1	2.7	3.3
SWC	A	18/09/18 - 18/10/18	DDG21	H5085/20	org. matter	30	3.27	4	1.6	1.4	0.3	2.5	4.1
SWC	A	18/09/18 - 18/10/18	DDG22	H5085/21	org. matter	30	3.00	4	0.6	0.5	0.1	1.4	2.0
SWC	A	18/09/18 - 18/10/18	DDG23	H5085/22	bees	30	3.20	4	3.0	0.5	0.3	3.7	3.6
SWC	A	18/09/18 - 18/10/18	DDG24	H5085/23	-	30	3.15	4	0.7	0.4	0.3	2.6	3.4
SWC	A	18/09/18 - 18/10/18	DDG25	H5085/24	brown/org. matter	30	2.87	4	1.3	0.2	1.1	3.9	5.2
SWC	A	18/09/18 - 18/10/18	DDG26	H5085/25	-	30	3.43	4	0.7	0.2	0.5	2.5	3.2
SWC	A	18/09/18 - 18/10/18	DDG27	H5085/26	org. matter	30	2.75	4	0.6	0.0	0.6	2.1	2.7
SWC	A	18/09/18 - 18/10/18	DDG28	H5085/27	-	30	2.85	4	0.9	0.3	0.6	2.2	3.1
SWC	A	18/09/18 - 18/10/18	DDG29	H5085/28	org. matter	30	2.85	4	0.7	0.1	0.7	2.6	3.4
SWC	A	18/09/18 - 18/10/18	DDG30	H5085/29	org. matter	30	2.70	4	1.5	0.5	1.0	2.8	4.3
SWC	A	18/09/18 - 18/10/18	DDG31	H5085/30	org. matter	30	2.85	4	0.7	0.5	0.2	2.3	3.0
SWC	A	18/09/18 - 18/10/18	DDG32	H5085/31	mosquitos	30	2.35	4	0.8	0.5	0.3	2.0	2.8
SWC	A	18/09/18 - 18/10/18	DDG33	H5085/32	org. matter	30	2.60	4	0.4	0.0	0.4	2.4	2.7
SWC	A	18/09/18 - 18/10/18	DDG34	H5085/33	cloudy/org. matter	30	2.05	4	1.9	0.3	1.6	8.7	10.6
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-02	Tyndale	ants	30	2.90	<4	1.4	0.8	0.7	2.5	4.0
							3.05	<4	6.2	3.3	2.9	11.0	17.2
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-03	Maloneys	Lab. light brown/org. matter. BGC	30							
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-04	Byrons Lane	spiders	30	2.86	<4	2.9	1.7	1.2	2.6	5.5
							2.88	<4	5.8	3.4	2.4	5.7	11.4
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-05	Shark Creek	Lab - cloudy/org. matter. BGC - Fur	30							
BGC	A S4	20/09/2018 - 20/10/2018	DDG1A	Schwonberg Street	org. matter	30	2.50	<4	0.8	0.5	0.4	2.4	3.2
							2.60	<4	5.7	1.6	4.1	21.8	27.6
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-07	Clyde Essex Drive	Lab: brown/org. matter. BGC - Fur	30							
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-08	Causleys		30	2.90	<4	0.8	0.4	0.4	2.7	3.5
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-09	BP Lane		30	2.75	<4	1.9	1.2	0.7	2.7	4.6
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-10	Visitor Info Centre		30	2.60	<4	0.9	0.4	0.4	2.7	3.5
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-11	Motel		30	2.60	<4	0.7	0.3	0.4	2.5	3.2
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-12	M1 Norley - Byron		30	2.70	<4	0.9	0.2	0.7	2.6	3.5
BGC	A S4	20/09/2018 - 20/10/2018	DDG 4-13	Tyndale		30	3.10	<4	1.8	1.2	0.6	2.5	4.3
SEECivil	B SS	28/8/2018 - 26/9/2018	DDG 5-02	Highland Ridge, Maclean	-	29		<4	0.3	0.1	0.2	0.0	0.3
SEECivil	B SS	28/8/2018 - 26/9/2018	DDG 5-03	132 Farlow's Lane, Maclean	-	29		<4	0.8	0.5	0.3	1.5	2.4
SEECivil	B SS	28/8/2018 - 26/9/2018	DDG 5-04	Behind Fill 5-1 East	-	29		<4	0.5	0.3	0.2	1.6	2.1
								<4	4.4	2.6	1.8	3.7	8.1
SEECivil	B SS	28/8/2018 - 26/9/2018	DDG 5-05	Fill 5.4 South	cloudy/org. matter	29							
Gading	B SS	22/09/2018-22/10/2018	DDG 5-07	1	-	30	2.29	<4	2.2	0.0	0.2	2.0	2.2
							2.90	<4	1.0	0.7	0.3	3.3	4.3
Pacific Complete	B SS	19/09/2018 - 18/10/2018	DDG 5-08	Serpentine Channel North	-	29							
							2.70	<4	1.5	0.8	0.7	2.6	4.2

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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	19/09/2018 - 18/10/2018	DDG 5-11	Fischers Lane - Control Gauge	org. matter	29	3.75	<4	4.3	3.5	0.8	4.1	8.4
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-12	Fischers Lane	brown/org. matter	29	3.18	<4	41.5	32.7	8.8	8.8	50.3
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-13	Mororo Bridge South West	-	29	3.55	<4	1.8	1.4	0.4	3.2	5.0
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-14	Garretts Lane West	-	29	3.27	<4	2.0	1.6	0.4	3.5	5.5
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-15	Garretts Lane North	org. matter	29	3.35	<4	2.2	0.8	1.4	4.6	6.8
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-16	Iuka Road Compound	-	29	3.80	<4	0.8	0.7	0.1	3.3	4.1
Pacific Complete	B S5	19/09/2018 - 18/10/2018	DDG 5-17	Wombah Woods Caravan Park	-	29	3.65	<4	0.0	0.0	0.0	3.2	3.2
BMD	B S6	21/08/2018 - 21/09/2018	Ellem Property	DDG15	cloudy/org. matter	31		<4	2.9	1.0	1.9	2.1	5.0
BMD	B S6	21/08/2018 - 21/09/2018	McLaren Property	DDG16	cloudy/org. matter	31		<4	22.3	3.4	18.9	28.4	50.7
BMD	B S6	21/08/2018 - 21/09/2018	De-Winton Proper	DDG17 Control		31		<4	1.2	0.5	0.6	1.3	2.5
BMD	B S6	21/08/2018 - 21/09/2018	Jacky Bulbin Road	DDG18	cloudy/org. matter	31		<4	2.0	1.0	1.0	1.4	3.4
BMD	B S6	21/08/2018 - 21/09/2018	Rainbow	DDG19	org. matter	31		<4	1.9	1.1	0.8	1.2	3.1
BMD	B S6	21/08/2018 - 21/09/2018	Devils Pulpit	DDG20	org. matter	31		<4	3.2	1.3	1.9	2.2	5.4
CPB	C	22/8/2018 - 26/09/2018	DDG 7 Control	H4389/1	cloudy/org. matter	30	1.70	≤4	0.4				12.8
CPB	C	22/8/2018 - 26/09/2018	DDG 7-1	H4389/2	insects	30	1.62	≤4	0.1				4.6
CPB	C	22/8/2018 - 26/09/2018	DDG 7-2	H4389/3	org. matter	30	1.72	≤4	1.0				34.9
CPB	C	22/8/2018 - 26/09/2018	DDG 7-3	H4389/4	org. matter	30	1.54	≤4	1.4				46.5
CPB	C	22/8/2018 - 26/09/2018	DDG 8-1	H4389/5	org. matter	30	1.35	≤4	0.2				7.1
CPB	C	22/8/2018 - 26/09/2018	DDG 8-2	H4389/6	ants	30	1.75	≤4	0.3				10.7
CPB	C	22/8/2018 - 26/09/2018	DDG 8-4	H4389/7	empty/0.2L milll Q added, Note the dust deposition gauge at this location was broken by the adjacent resident parking trucks in the area. This was replaced.	7	0.20	≤4	0.3				11.3
CPB	C	22/8/2018 - 26/09/2018	DDG 8-5	H4389/8	cloudy/org. matter	30	1.70	≤4	1.6				52.9
CPB	C	22/8/2018 - 26/09/2018	DDG 9-2	H4389/9	-	30	1.65	≤4	1.2				38.9
CPB	C	22/8/2018 - 26/09/2018	DDG 9-3	H4389/10	-	30	1.55	≤4	1.0				33.6
CPB	C	27/9/2018 - 23/10/2018	DDG 7 Control	H5136/1	-	32	4.10	≤4	2.5				83.4
CPB	C	27/9/2018 - 23/10/2018	DDG 7-1	H5136/2	-	32	3.33	≤4	1.1				37.7
CPB	C	27/9/2018 - 23/10/2018	DDG 7-2	H5136/3	-	32	4.15	≤4	2.6				88.1
CPB	C	27/9/2018 - 23/10/2018	DDG 7-3	H5136/4	-	32	3.55	≤4	2.0				68.5
CPB	C	27/9/2018 - 23/10/2018	DDG 8-1	H5136/5	-	32	3.60	≤4	3.9				128.6
CPB	C	27/9/2018 - 23/10/2018	DDG 8-2	H5136/6	-	32	3.95	≤4	3.9				129.2
CPB	C	27/9/2018 - 23/10/2018	DDG 8-4	H5136/7	Cane ash present in bottle	32	3.95	≤4	5.5				183.0
CPB	C	27/9/2018 - 23/10/2018	DDG 8-5	H5136/8	Slashing undertaken around sampl	32	3.73	≤4	6.2				207.8
CPB	C	27/9/2018 - 23/10/2018	DDG 9-2	H5136/9	-	32	3.60	≤4	1.6				54.7
CPB	C	27/9/2018 - 23/10/2018	DDG 9-3	H5136/10	-	32	3.87	≤4	1.7				56.1
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-03	DDG 10-03	cloudy/org. matter	31	2.00	<4	1.8	1.0	0.8	2.2	4.0
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-04	DDG 10-04	ants	31	1.73	<4	1.0	0.7	0.4	1.6	2.7
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-05	DDG 10-05	org. matter	31	1.65	<4	1.3	0.8	0.5	1.5	2.7
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-06	DDG 10-06	org. matter	31	2.15	<4	1.8	1.3	0.5	1.7	3.6
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-07	DDG 10-07	org. matter	31	2.18	<4	1.7	0.1	0.3	1.7	2.1
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-08	DDG 10-08	org. matter	31	2.37	<4	2.5	1.4	1.0	5.1	7.5
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-09	DDG 10-09	org. matter	31	2.50	<4	1.2	0.9	0.3	2.0	3.2
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-10	DDG 10-10	org. matter	31	2.50	<4	0.2	0.1	0.1	2.0	2.2
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-11	DDG 10-11	org. matter	31	2.70	<4	1.0	0.5	0.4	2.3	3.3
LendLease	D S10	20/08/2018 - 20/09/2018	DDG 10-12	DDG 10-12	org. matter	31	2.55	<4	0.5	0.2	0.3	1.7	2.1
LendLease	D S11	20/08/2018 - 20/09/2018	DDG 11-01	DDG 11-01	org. matter	31	2.55	<4	0.7	0.1	0.6	2.1	2.8
LendLease	D S11	20/08/2018 - 20/09/2018	DDG 11-02	DDG 11-02	org. matter	31	2.75	<4	3.3	2.4	0.9	2.3	5.6
LendLease	D S11	20/08/2018 - 20/09/2018	DDG 11-03	DDG 11-03	org. matter	31	2.85	<4	14.7	12.1	2.6	2.5	17.1
LendLease	D S11	20/08/2018 - 20/09/2018	DDG 11-04	DDG 11-04 (Control)	org. matter	31	2.85	<4	2.0	0.8	1.2	2.3	4.3

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Quickway	D S10	19/09/18 - 18/10/18	DDG 10-13	H5026/1	Higher than average rainfall during sample period. Sample bottle 2/3 full of water. Small insects, organic matter and sediment in sample. Bird faeces in funnel. Earthworks, bridgeworks and haulage.	29	3.35	<4	1.8	1.5	0.4	4.4	6.2
Quickway	D S10	19/09/18 - 18/10/18	DDG 10-14	H5026/2	Higher than average rainfall during sample period. Sample bottle 2/3 full of water. Small insects, bird faeces and organic matter in funnel and sample bottle. Earthworks, bridgeworks and haulage.	29	3.24	<4	5.9	4.3	1.7	7.6	13.5
Quickway	D S10	19/09/18 - 18/10/18	DDG 10-15	H5026/3	Higher than average rainfall during	29	3.40	<4	2.5	1.6	0.9	5.7	8.2
Quickway	D S10	19/09/18 - 18/10/18	DDG 10-16	H5026/4	Higher than average rainfall during	29	3.42	<4	1.4	1.1	0.3	4.2	5.6
AFHJV	E - Harwood Bridge	05/09/2018 - 08/10/2018	DDG1			33	-	<4	0.8	0.6	0.2	0.9	1.7
AFHJV	E - Harwood Bridge	05/09/2018 - 08/10/2018	DDG2			33	-	<4	2.0	1.5	0.5	0.9	2.8
AFHJV	E - Harwood Bridge	05/09/2018 - 08/10/2018	DDG3			33	-	<4	4.7	3.9	0.8	1.0	5.7
AFHJV	E - Harwood Bridge	05/09/2018 - 08/10/2018	DDG4			33	-	<4	1.3	1.0	0.3	0.9	2.2
AFHJV	E - Harwood Bridge	05/09/2018 - 08/10/2018	DDG5			33	-	<4	2.4	1.7	0.7	1.1	3.5
LendLease	F - RRB	20/08/18 - 20/09/18	DDG 10 - 02	RRB - S	cloudy/org. matter	32	0.19	<4	6.0	1.9	4.1	9.4	15.4
LendLease	F - RRB	20/08/18 - 20/09/18	DDG 10 - 03	RRB - N	cloudy/org. matter	32	0.14	<4	1.8	1.0	0.8	2.2	4.0
LendLease	F - RRB	20/08/18 - 20/09/18	DDG 10 - 01	RRB - C	ants/org. matter	32	0.11	<4	2.4	1.1	1.3	2.7	5.2
Georgiou	G - P2T3	5/9/2018 to 5/10/2018	DDG 11 - 05	Control		30	0.95	<4	0.3	0.1	0.2	1.8	2.2
Georgiou	G - P2T3	5/9/2018 to 5/10/2018	DDG 11 - 06	Sth Pac Hwy		30	1.00	<4	0.8	0.5	0.2	1.9	2.7
Georgiou	G - P2T3	5/9/2018 to 5/10/2018	DDG 11 - 07	North Smith Drive		30	0.70	<4	0.6	0.2	0.4	1.7	2.2