

**RICHMOND QUARRY  
AIR QUALITY / DUST MONITORING RESULTS**

Sample Point	Exposure Period	Month / Year	Sampling Days (30 days +/- 2)	Sample Comments	Sample Volume (L)	Deposit Rate of Insoluble Solids Total Suspended Solids (Sst)		Deposit Rate of Ash (g/m <sup>2</sup> /mth) Limit - 2g/m <sup>2</sup> /mth	Deposit Rate of Combustible Matter (g/m <sup>2</sup> /mth)	Site Rainfall	Lismore Airport Rainfall
						(g/m <sup>2</sup> /mth) Limit - 4g/m <sup>2</sup> /mth	(mg/m <sup>2</sup> /day)				
Receiver 2	1/8/14 - 1/9/14	Aug-14	31	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	1/9/14 - 2/10/14	Sep-14	31	-	0.560L	0.2	6	0.1	0.1		
Receiver 2	2/10/14 - 2/11/14	Oct-14	31	-	0.220L	0.8	26	0.4	0.4		
Receiver 2	2/11/14 - 2/12/14	Nov-14	30	Small amount of organic matter present	1.1L	2.4	80	0.5	1.9		
Receiver 2	2/12/14 - 2/1/15	Dec-14	30	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	2/1/15 - 2/2/15	Jan-15	30	-	2.380L	1.4	46	0.3	1.1		
Receiver 2	2/2/15 - 3/3/15	Feb-15	30	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	3/3/15 - 31/3/15	Mar-15	30	-	0.920L	0.5	18	0.3	0.2		
Receiver 2	31/3/15 - 1/05/15	Apr-15	31	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	1/05/15 - 1/06/15	May-15	30	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	1/06/15 - 1/07/15	Jun-15	30	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	1/7/15 - 3/08/15	Jul-15	33	Sample Frothy	0.7L	0.6	17	0.2	0.4		
Receiver 2	3/08/15 - 2/09/15	Aug-15	30	-	0.6L	0.3	8	0.1	0.1		
Receiver 2	2/09/15 - 30/09/15	Sep-15	28	-	1.5L	1.2	42	0.6	0.6		
Receiver 2	30/09/15 - 30/10/15	Oct-15	30	-	0.7L	0.9	30	0.4	0.5		
Receiver 2	30/10/15 - 2/12/15	Nov-15	33	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		

Sample Point	Exposure Period	Month / Year	Sampling Days (30 days +/- 2)	Sample Comments	Sample Volume (L)	Deposit Rate of Insoluble Solids Total Suspended Solids (SS)		Deposit Rate of Ash (g/m2/mth) Limit - 2g/m2/mth	Deposit Rate of Combustible Matter (g/m2/mth)	Site Rainfall	Lismore Airport Rainfall
						(g/m2/mth) Limit - 4g/m2/mth	(mg/m2 /day)				
Receiver 2	2/12/15 - 2/1/16	Dec-15	31	Cloudy, organic matter present	1.8L	2.3	75	0.9	1.5		
Receiver 2	2/1/16 - 2/2/16	Jan-16	31	Organic matter present	1.25L	1.9	62	0.5	1.4		
Receiver 2	2/2/16 - 4/3/16	Feb-16	31	-	1.98L	0.6	20	0	0.6		
Receiver 2	4/3/16 - 1/4/16	Mar-16	28	-	2.63L	0.8	28	0.1	0.7		
Receiver 2	1/4/16 - 4/5/16	Apr-16	33	-	1.7L	0.5	14	0.2	0.3		
Receiver 2	4/5/16 - 1/6/16	May-16	28	-	0.11L	0.3	11	0.2	0.1		
Receiver 2	1/6/16 - 1/7/16	Jun-16	30	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	1/7/16 - 2/8/16	Jul-16	32	Cane ash	0.25L	0.4	11	0.1	0.2		
Receiver 2	2/8/16 - 2/9/16	Aug-16	31	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	2/9/16 - 30/9/16	Sep-16	28	Dead bugs	0.45L	0.1	3	0.1	0		
Receiver 2	30/9/16 - 3/11/16	Oct-16	34	Cloudy, organic matter present	0.27L	2.3	67	1.3	0.9		
Receiver 2	3/11/16 - 5/12/16	Nov-16	32	Beetles	2.35L	4.2	130	1.1	3.1		
Receiver 2	5/12/16 - 4/1/17	Dec-16	30	-	1.78L	1.3	42	0.3	1		
Receiver 2	4/1/17 - 5/2/17	Jan-17	32	-	1.7L	0.4	15	0	0.4		
Receiver 2	5/2/17 - 8/3/17	Feb-17	31	-	2.81L	0.4	14	0.1	0.3		
Receiver 2	8/3/17 - 6/4/17	Mar-17	29	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	6/4/17 - 2/5/17	Apr-17	26	-	0.25L	0.3	12	0.1	0.3		
Receiver 2	2/05/17 - 5/6/17	May-17	34	-	1.25L	0.6	21	0.2	0.4		
Receiver 2	5/6/17 - 3/7/17	Jun-17	28	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	3/7/17 - 3/8/17	Jul-17	31	-	0.12L	0.5	16	0.2	0.2		
Receiver 2	3/8/17 - 4/9/17	Aug-17	32	-	0.19L	0.8	28	0.4	0.4		
Receiver 2	4/09/17 - 4/10/17	Sep-17	30	Ants	0.7L	0.8	27	0.5	0.3		

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						(g/m2/mth) Limit - 4g/m2/mth	(mg/m2 /day)				
Receiver 2	4/10/17 - 2/11/17	Oct-17	29	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	2/11/17 - 4/12/17	Nov-17	32	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	4/12/17 - 4/1/18	Dec-17	31	Sample unsuccessful - excess rain, DDG overflowed	N/A	N/A	N/A	N/A	N/A		
Receiver 2	4/1/18 - 6/02/18	Jan-18	33	Insect/organic matter	1.3L	0.4	14	0	0.4		56.8
Receiver 2	6/02/18 - 5/03/18	Feb-18	27	Fine organic matter	2.57L	1.2	39	0.4	0.8		138.2
Receiver 2	5/03/18 - 4/04/18	Mar-18	30	Organic matter present	2.42L	0.7	24	0	0.7		158.8
Receiver 2	4/04/18 - 7/05/18	Apr-18	33	Clear/small organic matter	0.84L	0.7	24	0.1	0.6		58
Receiver 2	7/05/18 - 06/06/18	May-18	29	Organic matter present	0.43L	1.0	33	0.4	0.6		37.6
Receiver 2	7/06/18 - 5/07/18	Jun-18	28	Cloudy, organic matter present	1.17L	1.0	34	0.2	0.9		33.4
Receiver 2	5/07/18 - 9/08/18	Jul-18	34	Cloudy/ dirty/ organic matter	0.1L	0.8	28	0.1	0.8		6.2
D1	10/08/18-7/09/18	Aug-18	28	-	1.4L	1.2	41	1.1	0.2	33	49.8
D1	7/09/18 - 5/10/18	Sep-18	28	-	0.11L	0.7	24	0.4	0.3	33	12.2
D1	5/10/18 - 5/11/18	Oct-18	31	-	4.22L	0.4	12	0.2	0.1	206.5	237.8
D1	5/11/18 - 6/12/18	Nov-18	32	Insects	0.64L	1.6	53	1	0.6	83	70.4
D1	6/12/18 - 7/01/18	Dec-18	32	Organic matter present	0.2L	1	33	0.7	0.3	17	27.4
D1	7/01/19 - 6/02/19	Jan-19	31	-	0.040L	0.2	5	0	0.2	11	8.6
D1	7/02/19 - 8/03/19	Feb-19	29	-	0.700L	1.3	45	0.9	0.4	81	132
D1	08/03/19 - 08/04/19	Mar-19	31	Organic matter present	3.22L	0.9	31	0.1	0.8	215	206
D1	08/04/19 - 07/05/19	Apr-19	29	Organic matter present	1.270L	0.4	12	0.1	0.3	68	55.6
D1	08/05/19 - 06/06/19	May-19	30	Fine organic matter	0.76L	0.6	21	0.2	0.4	21	26.2
D1	06/06/19 - 05/07/19	Jun-19	29	Organic matter present	3.63L	1.2	40	0.1	1.1	142	150.6
D1	05/07/19 - 06/08/19	Jul-19	32	Cloudy, fine organic matter present	0.180L	0.3	11	0.2	0.1	32	20.6
D1	05/08/19 - 04/09/19	Aug-19	30	Ants, fine organic matter present	0.10L	0.4	15	0.3	0.1	0	0.8
D1	04/09/19 - 04/10/19	Sep-19	30	Ants, fine organic matter, 0.2L milli Q added	0.20L	1.2	40	0.7	0.5	0	0.2
D1	05/10/19 - 07/11/19	Oct-19	31	-	0.20L	0.2	6	0.1	0.1	9	5.6
D1	07/11/19 - 03/12/19	Nov-19		Bottle not replaced						30	37.2
D1	03/12/19 - 02/01/20	Dec-19	31	Fine Org. Matter, Ants. Beetle.	0.80L	0.8	27	0.7	0.1	45	49.2
D1	02/01/20 - 02/02/20	Jan-20	31	Fine organic matter observed	2.95L	2.4	81	1.8	0.7	265	245.4
D1	02/02/20 - 03/03/20	Feb-20	30	Fine Organic Matter Present	5L	0.1	3.9	0.1	0.1	390	402.6
D1	03/03/20 - 02/04/20	Mar-20	30	Cloudy	2.3L	1.4	48	0.7	0.7	54	65.08
D1	02/04/20 - 04/05/20	Apr-20	32	-	1.46L	0.6	19	0.3	0.2	46	50.2
D1	04/05/20 - 09/06/20	May-20	36	-	1.05L	1.5	50	0.8	0.7	43	55.6
D1	09/06/20 - 07/07/20	Jun-20	28	-	2.45L	0.7	22	0.3	0.4	92	89.4
D1	07/07/20 - 06/08/20	Jul-20	30	-	2.35L	0.7	25	0.3	0.4	73	76.8
D1	06/08/20 - 07/09/20	Aug-20	31	-	0.61L	0.6	21	0.4	0.3	31	30
D1	07/09/20 - 08/10/20	Sep-20	31	-	0.14L	0.4	13	0.3	0.1	45	43.8
D1	08/10/20 - 05/11/20	Oct-20	28	-	1.20L	0.5	15	0.2	0.2	75	78
D1	05/11/20 - 07/12/20	Nov-20	32	-	0.4L	1.3	43	0.9	0.4	3	9.2
D1	07/12/20 - 07/01/21	Dec-20	31	-	5.0L	0.3	11	0.3	0.1	614	614.4
D1	07/01/21 - 05/02/21	Jan-21	29	-	1.58L	0.7	25	0.6	0.1	95	80.8

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						(g/m2/mth) Limit - 4g/m2/mth	(mg/m2 /day)				