



Attachment 4.1H - Environmental Monitoring Worksheet

Period: 2/1/2017 - 15/02/2017

Location	Test	Freq	Limit	Units	Sample Date	NSW Environment Protection Licence Requirement	Date Sample Transferred to Laboratory	Date Sample Results Received by Holcim	Date of Remote Data Download	Result	Comments
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min max

NRR = No Result Recorded

Site: Albion Park Quarry

Environment Protection Licence No.	122
Site Name (As it appears on the licence)	Albion Park Quarry
Site Address (As it appears on the licence)	Albion Park Quarry Woollybutt Drive ALBION PARK RAIL NSW 2527
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=31016&SYSUID=1&LICID=122

Water											
Point 1	pH	After 90mm rain	6.5	8.5	pH	28/02/2017	Y	28/02/2017	6/3/2017		7.6
	TSS	After 90mm rain		50	mg/L	28/02/2017	Y	28/02/2017	6/3/2017		21
Air											
Point 3	Ash	Monthly		90		3/2/2017	Y	3/2/2017	3/2/2017		0.7
Point 4	Ash	Monthly		90		3/2/2017	Y	3/2/2017	3/2/2017		0.8
Point 5	Ash	Monthly		90		3/2/2017	Y	3/2/2017	3/2/2017		3.4
Point 6	Ash	Monthly		90		3/2/2017	Y	3/2/2017	3/2/2017		2.6
Blasting											
		Per Blast		5	mm/s	13/02/2017	Y	13/02/2017	13/02/2017		0.48
		Per Blast		115	dB	13/02/2017	Y	13/02/2017	13/02/2017		81.6

Site: "Johnniefelds" Marulan Quarry

Environment Protection Licence No.	1371
Site Name (As it appears on the licence)	Marulan Quarry
Site Address (As it appears on the licence)	Marulan Quarry Brayton Road MARULAN NSW 2579
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=28960&SYSUID=1&LICID=1371

Blasting												
Underdowns	Overpressure	Per Blast		115	dB		Y				NRR	No blasting in the reporting period.
	Vibration	Per Blast		5	mm/s		Y				NRR	

Site: Lynwood Quarry

Environment Protection Licence No.	12939
Site Name (As it appears on the licence)	Lynwood Quarry
Site Address (As it appears on the licence)	Lynwood Quarry 278 Stoney Creek Road, MARULAN NSW 2579
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=29690&SYSUID=1&LICID=12939

Blasting												
B3	Peak Particle Velocity	Per Blast	0	5	mm/sec		Y				NRR	No blasting in the reporting period.
B3	Overpressure	Per Blast	0	115	dB		Y				NRR	

Site: Cooma Road Quarry

Environment Protection Licence No.	1453
Site Name (As it appears on the licence)	Cooma Road Quarry
Site Address (As it appears on the licence)	Cooma Road Quarry Cooma Road Queanbeyan NSW 2620
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28929&SYSUID=1&LICID=1453

Water												
Barracks Creek	pH	Monthly	6.5	8.5	pH	1/2/2017	Y	1/2/2017	9/2/2017	15/2/2017	7.5	
	Total O&G	Monthly	0	10	mg/L	1/2/2017	Y	1/2/2017	9/2/2017	15/2/2017	<2	
	Susp. Solids	Monthly	0	50	mg/L	1/2/2017	Y	1/2/2017	9/2/2017	15/2/2017	2	
Blasting												
Heffernans House	Overpressure	Per blast	0	115	dB	10/1/2017	Y	10/1/2017	10/1/2017		104.4	
	Vibration	Per blast	0	5	mm/s	10/1/2017	Y	10/1/2017	10/1/2017		0.98	
Heffernans House	Overpressure	Per blast	0	115	dB	18/1/2017	Y	18/01/2017	18/01/2017		105.4	
	Vibration	Per blast	0	5	mm/s	18/1/2017	Y	18/01/2017	18/01/2017		0.94	
Heffernans House	Overpressure	Per blast	0	115	dB	6/2/2017	Y	6/2/2017	6/2/2017		107.8	
	Vibration	Per blast	0	5	mm/s	6/2/2017	Y	6/2/2017	6/2/2017		0.34	

Site: Dubbo Quarry

Environment Protection Licence No.	2212
Site Name (As it appears on the licence)	Dubbo Quarry
Site Address (As it appears on the licence)	Sheraton Road, Dubbo, NSW,2830
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29036&SYSUID=1&LICID=2212

Blasting												
WARRENS HOUSE	Overpressure	Per blast		120	dB		Y				NR	No blasting in the reporting period
	Vibration	Per blast		10	mm/s		Y				NR	

Site: Humes - Blacktown

Environment Protection Licence No.	1310
Site Name (As it appears on the licence)	Humes Blacktown
Site Address (As it appears on the licence)	Humes Blacktown Lot 1 Woodstock Ave ROOTY HILL NSW 2766
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28958&SYSUID=1&LICID=1310

Water												
Sediment Basin	TSS	Daily During Discharge		50	mg/L	10/2/2017	Y	10/2/2017	10/2/2017		30	
	pH	Daily During Discharge	6.5	8.5	pH	10/2/2017	Y	10/2/2017	10/2/2017		7	
Sediment Basin	TSS	Daily During Discharge		50	mg/L	15/02/2017	Y	15/02/2017	15/02/2017		21	
	pH	Daily During Discharge	6.5	8.5	pH	15/02/2017	Y	15/02/2017	15/02/2017		7	

Site: Teven Quarry

Environment Protection Licence No.	3293
Site Name (As it appears on the licence)	Readymix Teven Quarry

Site Address (As it appears on the licence)	Stokers Lane Teven NSW 2478
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29168&SYSUID=1&LICID=3293

Blasting												
ID #1	pH	Weekly	6.5	8.5	pH	2/2/2017	Y	2/2/2017	2/2/2017			7.3
ID #1	pH	Weekly	6.5	8.5	pH	9/2/2017	Y	9/2/2017	9/2/2017			7.6

Site: Boambee Quarry

Environment Protection Licence No.	7094
Site Name (As it appears on the licence)	Boambee Quarry
Site Address (As it appears on the licence)	Boambee Quarry North Boambee Road BOAMBE NSW 2450
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31235&SYSUID=1&LICID=7094

Blasting (M4 & L2.1 - To determine compliance with L3, measurements to be taken at any point within 1 metre of residential boundary)													
	Overpressure	Per blast	0	120	dB		Y					NRR	No blasting in the reporting period.
	Vibration	Per blast	0	10	mm/s		Y					NRR	

Site: Tuncurry Sand

Environment Protection Licence No.	13359
Site Name (As it appears on the licence)	Tuncurry Sand Quarry
Site Address (As it appears on the licence)	Tip Road Tuncurry NSW 2428
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30945&SYSUID=1&LICID=13359

Air												
ID #1	Deposited Matter	Monthly	0	4	g/m2/month	8/2/2017	Y	8/2/2017	16/02/2017			2.1

Site: Jandra Quarry

Environment Protection Licence No.	2796
Site Name (As it appears on the licence)	Jandra Quarry
Site Address (As it appears on the licence)	Pacific Highway Possum Brush NSW 2430
Link to Licence on EPA Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30958&SYSUID=1&LICID=2796

Blasting (To determine compliance with L3, measurements to be taken at any point within 1 metre of residential boundary)													
	Overpressure	Per blast	0	120	dB		Y					NRR	No blasting in the reporting period.
	Vibration	Per blast	0	10	mm/s		Y					NRR	