

Attachment 4.1H - Environmental Monitoring Worksheet

Result	Comments
NRR = No Re	esult Recorded

Period: 2/16/2017 - 28/02/2017

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		
			min max							NRR = No R	esult Recorded		
Site:		Albion Park Qua	arry										
						Environment Protection	Licence No.	122					
						Site Name (As it appears on the lic	ence)	Albion Park Quar	ry				
						Site Address (As it appears on the lic	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.enviro	nment.nsw.gov.au/p	orpoeoapp/V	iewPOEOLicence.aspx?DOCID=31016&SYSUID=1&LICID=122		
Blasting													
		Per Blast	5	mm/s		Y				NRR	No blasting in the reporting period.		
		Per Blast	115	dB		Y				NRR			

Site:		"Johhniefelds"	Marular	n Quarry						
					Environment Protection	Licence No.	1371			
•					Site Name (As it appears on the lice	ence)	Marulan Quarry			
				Site Address (As it appears on the lice	ence)	Marulan Quarry Brayton Road MARULAN NSW 2579				
					Link to Licence on EPA	Website	http://www.enviro	nment.nsw.gov.au/p	orpoeoapp/V	iewPOEOLicence.aspx?DOCID=28960&SYSUID=1&LICID=1371
Blasting										
Underdowns	Overpressure	Per Blast	11	15 dB	Y				NRR	No blasting in the reporting period.
	Vibration	Per Blast	ŧ	5 mm/s	Υ				NRR	

Site:		Lynwood Quart	У									
							Environment Protection	Licence No.	12939			
1							Site Name (As it appears on the lic	ence)	Lynwood Quarry			
							Site Address (As it appears on the lice	ite Address Lynwood Quarry 278 Stoney Creek Road, MARULAN NSW 2579				
							Link to Licence on EPA	Website	http://www.enviro	nment.nsw.gov.au/	prpoeoapp/Vie	ewPOEOLicence.aspx?DOCID=29690&SYSUID=1&LICID=12939
Air												
DD 5	Insoluble Solids	Monthly	0	4	mg/m2/month	17/2/17	Y		20/2/17	24/2/17	3	
DD 8	Insoluble Solids	Monthly	0	4	mg/m2/month	17/2/17	Y		20/2/17	24/2/17	16.6	
DD 11	Insoluble Solids	Monthly	0	4	mg/m2/month	17/2/17	Υ		20/2/17	24/2/17	5.2	
DD 12	Insoluble Solids	Monthly	0	4	mg/m2/month	17/2/17	Υ		20/2/17	24/2/17	8.8	
DD 13	Insoluble Solids	Monthly	0	4	mg/m2/month	17/2/17	Y		20/2/17	24/2/17	7.2	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	5/2/2017	Y		9/2/2017	14/2/17	14.2	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	11/2/2017	Y		13/2/17	21/2/17	11.7	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	17/2/17	Y		22/2/17	2/3/2017	24.9	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	5/2/2017	Y		9/2/2017	14/2/17	14.2	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	11/2/2017	Y		13/2/17	21/2/17	11.7	
HVAS 1	PM10	24hr (every 6 days)	0	50	μg/m3	17/2/17	Y		22/2/17	2/3/2017	24.9	

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HVAS 2	PM10	24hr (every 6 days)	0	50	μg/m3		Y		9/2/2017	14/2/17	19.9	
HVAS 2	PM10	24hr (every 6 days)	0	50	μg/m3	3/2/2017	Y		13/2/17	21/2/17	16.9	
HVAS 2	PM10	24hr (every 6 days)	0	50	μg/m3	3/2/2017	Y		22/2/17	2/3/2017	29.9	
Blasting												
B3	Peak Particle Velocity	Per Blast	0	5	mm/sec	3/2/2017	Y	3/2/2017	3/2/2017		0	No trigger on the seismic recorder
B3	Overpressure	Per Blast	0	115	dB	3/2/2017	Y	3/2/2017	3/2/2017		0	No trigger on the seismic recorder
B3	Peak Particle Velocity	Per Blast	0	5	mm/sec	7/2/2017	Y	7/2/2017	7/2/2017		0	No trigger on the seismic recorder
B3	Overpressure	Per Blast	0	115	dB	7/2/2017	Y	7/2/2017	7/2/2017		0	No trigger on the seismic recorder
B3	Peak Particle Velocity	Per Blast	0	5	mm/sec	10/2/2017	Y	10/2/2017	10/2/2017		0	No trigger on the seismic recorder
B3	Overpressure	Per Blast	0	115	dB	10/2/2017	Y	10/2/2017	10/2/2017		0	No trigger on the seismic recorder
B3	Peak Particle Velocity	Per Blast	0	5	mm/sec	14/2/17	Y	14/2/17	14/2/17		0	No trigger on the seismic recorder
B3	Overpressure	Per Blast	0	115	dB	14/2/17	Y	14/2/17	14/2/17		0	No trigger on the seismic recorder
В3	Peak Particle Velocity	Per Blast	0	5	mm/sec	21/2/17	Y	21/2/17	21/2/17		0	No trigger on the seismic recorder
В3	Overpressure	Per Blast	0	115	dB	21/2/17	Y	21/2/17	21/2/17		0	No trigger on the seismic recorder
В3	Overpressure	Per Blast	0	5	mm/sec	28/2/17	Y	28/2/17	28/2/17		0	No trigger on the seismic recorder
B3	Peak Particle Velocity	Per Blast	0	115	dB	28/2/17	Y	28/2/17	28/2/17		0	No trigger on the seismic recorder

Site:		Cooma Road Q	uarry	/								
							Environment Protection	Licence No.	1453			
				Site Name (As it appears on the lie	cence)	Cooma Road Quarry						
							Site Address (As it appears on the lie		Cooma Road Qua Cooma Road Queanbeyan NSV	*		
							Link to Licence on EPA	Website	http://www.enviro	nment.nsw.gov.au/	<u>'prpoeoapp/V</u>	iewPOEOLicence.aspx?DOCID=28929&SYSUID=1&LICID=1453
Blasting												
Heffernans House	Overpressure	Per blast	0	115	dB		Υ				NRR	No blasting in the reporting period.
	Vibration	Per blast	0	5	mm/s		Y				NRR	

Site:		Dubbo Quarry												
							Environment Protection	Licence No.	2212					
	Si (A								Dubbo Quarry					
	S						Site Address (As it appears on the lic	ence)	Sheraton Road, Dubbo, NSW,2830					
							Link to Licence on EPA	Website	http://www.enviror	nment.nsw.gov.au/p	rpoeoapp/Vi	ewPOEOLicence.aspx?DOCID=29036&SYSUID=1&LICID=2212		
Dianting														
Blasting WARRENS HOUSE	Overpressure	Per blast		120	dB		V				NRR	No blasting in the reporting period.		
WARRENS HOUSE	· ·				-		r					ino plasting in the reporting period.		
	Vibration	Per blast		10	mm/s		Y				NRR			

Site:		Humes - Blackt	own										
							Environment Protection	Licence No.	1310				
•							Site Name (As it appears on the lie	cence)	Humes Blacktown	1			
	Si							20000)	Humes Blacktown Lot 1 Woodstock Ave ROOTY HILL NSW 2766				
								Website	http://www.enviro	nment.nsw.gov.au/p	rpoeoapp/Vi	ewPOEOLicence.aspx?DOCID=28958&SYSUID=1&LICID=1310	
Water													
Sediment Basin	TSS	Daily During Discharge		50	mg/L		Y				NRR	No discharge in the reporting period.	
	pН	Daily During Discharge	6.5	8.5	pН		Y				NRR		

Site:	Teven C	uarry
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							Environment Protection	Licence No.	3293				
							Site Name (As it appears on the lie	cence)	Readymix Teven Quarry				
						Site Address (As it appears on the lie	cence)	Stokers Lane Tev	ren NSW 2478				
							Link to Licence on EPA	Website	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29168&SYSUID=18LICID=3293				
Blasting													
												No blasting in the reporting period.	
Water													
ID #1	pН	Weekly	6.5	8.5	pН	13/2/17	Y				7.8		
ID #1	pН	Weekly	6.5	8.5	pН	20/2/17	Υ				7.7		

Site:		Boambee Quar											
Env								Licence No.	7094				
•	Site 1 (As it								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.enviro	nment.nsw.gov.au/p	orpoeoapp/Vi	ewPOEOLicence.aspx?DOCID=31235&SYSUID=1&LICID=7094	
Blasting (M4 & L2.1	Blasting (M4 & L2.1 - To determine compliance with L3, measurements to be taken at any point within 1 m												
	Overpressure Per blast 0 120 dB 7/2/2							7/2/2017	7/2/2017		102		
	Vibration Per blast 0 10 mm/s 7/2/201						Y	7/2/2017	7/2/2017		1.51		

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	
1		Link to Licence on EPA Website http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30945&SYSUID=1&LICID=13359	

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 lice	ence)	Pacfic Highway Possum Brush NSW 2430			
							Link to Licence on EPA	Website	http://www.environment.nsw.gov.au/prpoeoapptViewPOEOLicence.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	24/02/2017	Y	24/02/2017	24/02/2018		106.8	
	Vibration	Per blast	0	10	mm/s	24/02/2017	Y	24/02/2017	24/02/2018		2.44	