AuS-10 Rhyolite - Licence number 12323

Dam 1 - SB1 - EPL Point 1

Licence Discharge Point 1

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	Comment
Guidance range		**Range - 6.5 - 8.5**	**<1500us/cm**			**<30 mg/l**	**20**	**10 mg/l**		
Jul-2019	0								Nil Discharge	
Aug-2019									Nil Discharge	
Sep-2019									Nil Discharge	
Oct-2019									Nil Discharge	
Nov-2019									Nil Discharge	
Dec-2019									Nil Discharge	
Jan-2020									Nil Discharge	
Feb-2020									Nil Discharge	
Mar-2020									Nil Discharge	
Apr-2020									Nil Discharge	
May-2020									Nil Discharge	
Jun-2020									Nil Discharge	
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**		
	Mean	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**		
	Lowest	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		
	Highest	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		

EPL POINT 2 **Range - 6.5 - 8.5**

Upstream Location AQW-1

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL
Jul-2019	1	7.1	681	1.1	409	<5	2	<5	Nil Discharge
Aug-2019									
Sep-2019									
Oct-2019									
Nov-2019									
Dec-2019									
Jan-2020									
Feb-2020									
Mar-2020									
Apr-2020									
May-2020									
Jun-2020									
Total		**7.1**	**681**	**1.1**	**409**	**0**	**2**	**0**	
		0.59	**56.75**	**0.09**	**34.08**	**0.00**	**0.17**	**0.00**	
	Mean	**7.10**	**681.00**	**1.10**	**409.00**	**#DIV/0!**	**2.00**	**#DIV/0!**	
	Lowest	**7.10**	**681.00**	**1.10**	**409.00**	**0.00**	**2.00**	**0.00**	
	Highest	**7.10**	**681.00**	**1.10**	**409.00**	**0.00**	**2.00**	**0.00**	

EPL Point 3

COXS RIVER LOWER CROSSING 6/7/2011 - AQW3

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	
Jul-2019	1	6.5	679	1	444	<5	4	<5	Nil Discharge	
Aug-2019										
Sep-2019										
Oct-2019										
Nov-2019										
Dec-2019										
Jan-2020										
Feb-2020										
Mar-2020										
Apr-2020										
May-2020										
Jun-2020										
Jun-2019										
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**		
		0.00	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		
	Mean	**6.50**	**679.00**	**1.00**	**444.00**		**4.00**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
	Lowest	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**0.00**
	Highest	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**0.00**

Dust Monitoring EPL Point 4

Month	Number of Samples	Sawmill	Insoluble Solids	Combustible Matter	Ash
Jul-2019	continuous	Sawmill	1.1	0.4	0.7
Aug-2019	continuous	Sawmill			
Sep-2019	continuous	Sawmill			
Oct-2019	continuous	Sawmill			
Nov-2019	continuous	Sawmill			
Dec-2019	continuous	Sawmill			
Jan-2020	continuous	Sawmill			
Feb-2020	continuous	Sawmill			
Mar-2020	continuous	Sawmill			
Apr-2020	continuous	Sawmill			
May-2020	continuous	Sawmill			
Jun-2020	continuous	Sawmill			
			1.1	**0.4**	**0.7**
		Mean	**1.10**	**0.40**	**0.70**
		Lowest	**1.1**	**0.4**	**0.7**
		Highest	**1.1**	**0.4**	**0.7**

Dust Monitoring EPL Point 5

Month	Number of Samples	Baners Lane	Insoluble Solids	Combustible Matter	Ash
Jul-2019	continuous	Baners Lane	0.6	0.2	0.4
Aug-2019	continuous	Baners Lane			
Sep-2019	continuous	Baners Lane			
Oct-2019	continuous	Baners Lane			
Nov-2019	continuous	Baners Lane			
Dec-2019	continuous	Baners Lane			
Jan-2020	continuous	Baners Lane			
Feb-2020	continuous	Baners Lane			
Mar-2020	continuous	Baners Lane			
Apr-2020	continuous	Baners Lane			
May-2020	continuous	Baners Lane			
Jun-2020	continuous	Baners Lane			
			0.6	**0.2**	**0.4**
		Mean	**0.60**	**0.20**	**0.40**
		Lowest	**0.6**	**0.2**	**0.4**
		Highest	**0.6**	**0.2**	**0.4**

Dust Monitoring EPL Point 6

Month	Number of Samples	Bald Hill	Insoluble Solids	Combustible Matter	Ash
Jul-2019	continuous	Bald Hill	0.2	0.2	<0.1
Aug-2019	continuous	Bald Hill			
Sep-2019	continuous	Bald Hill			
Oct-2019	continuous	Bald Hill			
Nov-2019	continuous	Bald Hill			
Dec-2019	continuous	Bald Hill			
Jan-2020	continuous	Bald Hill			
Feb-2020	continuous	Bald Hill			
Mar-2020	continuous	Bald Hill			
Apr-2020	continuous	Bald Hill			
May-2020	continuous	Bald Hill			
Jun-2020	continuous	Bald Hill			

	0.2	0.2	0
Mean	0.20	0.20	#DIV/0!
Lowest	0.2	0.2	0
Highest	0.2	0.2	0

ND - Not Detected

Requirement to Monitor Volume or Mass - Points 1, 8, 9, 10, 11	Kilolitres per day	Daily during any discharge	Estimate			

EPL POINT 8

Dam 2 - SB2b **Range - 6.5 - 8.5**

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	Comment
Jul-2019	0								Nil Discharge	
Aug-2019									Nil Discharge	
Sep-2019									Nil Discharge	
Oct-2019									Nil Discharge	
Nov-2019									Nil Discharge	
Dec-2019									Nil Discharge	
Jan-2020									Nil Discharge	
Feb-2020									Nil Discharge	
Mar-2020									Nil Discharge	
Apr-2020									Nil Discharge	
May-2020									Nil Discharge	
Jun-2020									Nil Discharge	
		0	0	0	0	0	0	0		
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

EPL POINT 9

South of O/Burden dump

Dam 3 - SB3a **Range - 6.5 - 8.5**

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	Comment
Jul-2019	0								Nil Discharge	
Aug-2019										
Sep-2019										
Oct-2019										
Nov-2019										
Dec-2019										
Jan-2020										
Feb-2020										
Mar-2020										
Apr-2020										
May-2020										
Jun-2020										
Jun-2019										
		0	0	0	0	0	0	0		
	Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

EPL POINT 10

Storage Dam 4

Dam 4 - SD2 **Range - 6.5 - 8.5**

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	Comment
Jul-2019	0								Nil Discharge	
Aug-2019										
Sep-2019										
Oct-2019										
Nov-2019										
Dec-2019										
Jan-2020										
Feb-2020										
Mar-2020										
Apr-2020										
May-2020										
Jun-2020										
		0	0	0	0	0	0	0		
	Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

EPL POINT 11

Dam 5 - SD6 - AQW-8 **Range - 6.5 - 8.5**

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspend Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL	Comment
Jul-2019	0								Nil Discharge	
Aug-2019										
Sep-2019										
Oct-2019										
Nov-2019										
Dec-2019										
Jan-2020										
Feb-2020										
Mar-2020										
Apr-2020										
May-2020										
Jun-2020										
		0	0	0	0	0	0	0		
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Weather station results available upon request

AuS-10 Rhyolite - Licence number 12323

Blasting	Frequency	Date	Blast Number	Limits	Units of measure	Results - Hartley Village	Monitor Location - Hartley Village	2nd Monitor 781 Jenolan Caves Rd
Ground Vibration	Per Blast	30.01.2019	168	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	30.01.2019	168	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	13.02.2019	169	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	13.02.2019	169	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	27.02.2019	170	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	27.02.2019	170	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	13.03.2019	171	5 - trigger point >0.51	mm/s	Nil Trigger	0.08	0.07
Overpressure	Per Blast	13.03.2019	171	115 - Trigger point <100	dB	Nil Trigger	101	109.2
Ground Vibration	Per Blast	10.04.2019	172	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	10.04.2019	172	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	01.05.2019	173	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	01.05.2019	173	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	08.05.2019	174	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	08.05.2019	174	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	22.05.2019	175	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	22.05.2019	175	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	03.07.2019	176	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	03.07.2019	176	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger
Ground Vibration	Per Blast	26.07.2019	177	5 - trigger point >0.51	mm/s	Nil Trigger	√	Nil Trigger
Overpressure	Per Blast	26.07.2019	177	115 - Trigger point <100	dB	Nil Trigger	√	Nil Trigger

Grant's Head Quarry - Licence Number 4040

	Pollutant	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc	
EPL Point 1 - sump	**Units of Measure**	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	Comment
Month	**Number of Samples**										
13.06.2109	1	0.07	<0.001	0.0006	<0.001	0.16	<0.0001	<0.0001	0.037	0.14	

	Pollutant	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
Wetland site (new Oct 2018	**Units of Measure**	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Date	No. of samples									
17.10.2018	1	0.52	<0.001	<0.0002	0.001	<0.001	<0.001	<0.0001	<0.001	0.014
03.04.2019	1	0.24	<0.001	<0.0002	<0.001	0.003	<0.001	<0.0001	0.001	0.034
13.06.2019	1	2.7	<0.001	<0.002	<0.001	0.01	<0.001	<0.001	0.015	0.019

	Pollutant							
EPL Point 1 - sump	**Units of Measure**	**pH (wet)** Range 5.3 to 7.0	Electrical Conductivity	Turbidity	**Total Suspended Solids** Max 30 Milligrams per litre	Oil and Grease	Hours of pump operation	**Requirement to Monitor Volume or Mass - KL**
Month	Number of Samples	pH	µS/cm	NTU	mg/l	Visible	Hours	KL
13.06.2019	1	4.1	395.6	4.05			Sample Only	Sample only
17.06.2019	1	5.7	443	2.4	<3	<5	24	6,825.6

6,825.6

Grant's Head Points 2 & 3		Standing Water Level Meters (mAHD)		Standing Water Level Metres (mAHD)
	Position ID	Quarterly	**Position ID**	Quarterly
14.06.2018	**MW05**	4.731	**MW06**	4.846
17.10.2018	**MW05**	4.749	**MW06**	4.854
11.01.2019	**MW05**	4.339	**MW06**	4.379
03.04.2019	**MW05**	4.152	**MW06**	4.129
13.06.2019	**MW05**	4.069	**MW06**	3.844
	Mean	**#DIV/0!**	Mean	**#DIV/0!**
	Lowest	**0.00**	Lowest	**0.00**
	Highest	**0.00**	Highest	**0.00**

Grant's Head Point 4	**Position ID**	Conductivity	pH	Standing Water Level	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
17.10.2018	NW01D	425.4	4.3	-1.9	0.7	<0.001	<0.0002	<0.001	0.052	0.004	<0.0001	0.008	0.076
11.01.2019	NW01D	533.1	4.2	-3.64	0.41	<0.001	<0.0002	<0.001	0.018	0.002	<0.0001	0.028	0.055
03.04.2019	NW01D	421.6	5.19	-2.835	0.26	<0.001	<0.0002	<0.001	0.009	<0.001	<0.0001	0.005	0.035
13.06.2019	NW01D	442.3	4.39	-4.21	0.36	<0.001	<0.0002	<0.001	0.033	0.005	<0.0001	0.028	0.082
17.10.2018	NW01S	372.3	5.43	-1.17	<0.05	<0.001	<0.0002	<0.001	0.08	0.006	<0.0001	0.007	0.12
11.01.2019	NW01S	477.3	5.00	-1.665	<0.05	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.032	0.046
03.04.2019	NW01S	384.8	5.66	-2.115	0.05	<0.001	<0.0002	<0.001	0.003	<0.001	<0.0001	0.003	0.024
13.06.2019	NW01S	393	5.43	-3.14	<0.05	<0.001	<0.0002	<0.001	0.012	0.001	<0.0001	0.009	0.08
	NW01D	Mean		**#DIV/0!**	NW01S	Mean	**#DIV/0!**						
	NW01D	Lowest		**0.00**	NW01S	Lowest	**0.00**						
	NW01D	Highest		**0.00**	NW01S	Highest	**0.00**						

Grant's Head Point 5	**Position ID**	Conductivity	pH	Standing Water Level	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
17.10.2018	NW02D	717	6.03	-0.315	<0.05	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.014	0.012
11.01.2019	NW02D	929	5.84	-0.515	<0.05	0.003	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.016	0.009
03.04.2019	NW02D	742.5	6.73	-0.635	0.18	<0.001	<0.0002	<0.001	0.006	<0.001	<0.0001	0.001	0.011
13.06.2019	NW02D	749	6.2	-0.795	<0.05	0.003	<0.0002	<0.001	0.017	0.002	<0.0001	0.022	0.034
17.10.2018	NW02S	304.3	4.24	-8.126	0.32	<0.001	<0.0002	<0.001	0.007	<0.001	<0.0001	<0.001	0.007
11.01.2019	NW02S	376.7	4.03	-8.88	<0.05	<0.001	<0.0002	<0.001	0.025	0.003	<0.0001	0.021	0.056
03.04.2019	NW02S	290.1	4.55	-8.97	<0.05	<0.001	<0.0002	<0.001	0.007	<0.001	<0.0001	0.013	0.008
13.06.2019	NW02S	275.3	4.27	-9.08	0.13	<0.001	<0.0002	<0.001	0.027	0.002	<0.0001	0.009	0.1

		NW02D	Mean	#DIV/0!	NW02D	Mean	#DIV/0!						
		NW02D	Lowest	0.00	NW02D	Lowest	0.00						
		NW02D	Highest	0.00	NW02D	Highest	0.00						

Grant's Head Point 6	Position ID	Conductivity	pH	Standing Water Level	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
17.10.2018	NW03D	1246	5.53	-31.63	<0.05	<0.001	<0.0002	<0.001	0.036	0.002	<0.0001	0.056	0.16
11.01.2019	NW03D	844	5.3	-31.935	<0.05	<0.001	<0.0002	<0.001	0.003	<0.001	<0.0001	0.023	0.046
03.04.2019	NW03D	1024	6.1	-31.645	<0.05	<0.001	<0.0002	<0.001	0.03	0.002	<0.0001	0.025	0.068
13.06.2019	NW03D	919	5.52	-31.12	<0.05	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.027	0.058
17.10.2018	NW03S	343.3	4.85	-11.036	0.08	<0.001	<0.0002	<0.001	0.044	0.004	<0.0001	0.005	0.064
11.01.2019	NW03S	N/A	N/A	-11.09	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
03.04.2019	NW03S	351	4.85	-10.3	0.06	<0.001	<0.0002	<0.001	0.001	<0.001	<0.0001	<0.001	0.008
13.06.2019	NW03S	379	5.39	-10.62	<0.05	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	<0.001	0.014
		NW03D	Mean	#DIV/0!	NW02D	Mean	#DIV/0!						
		NW03D	Lowest	0.00	NW02D	Lowest	0.00						
		NW03D	Highest	0.00	NW02D	Highest	0.00						

Grant's Head Quarry - Licence Number 4040

Blasting	Frequency	Date	Limits	Units of measure	Results Bonny Hills 1st House	Results - Sherrod Park	Blast No #
Ground Vibration	Per Blast	18.01.2018	5 - trigger point >0.27	mm/s	**3.97**	**Nil Trigger**	#120
Overpressure	Per Blast	18.01.2018	115 - Trigger point >100	dB	**107.1**	**Nil Trigger**	#120
Ground Vibration	Per Blast	13.02.2018	5 - trigger point >0.27	mm/s	**2.5**	**0.13**	#121
Overpressure	Per Blast	13.02.2018	115 - Trigger point >100	dB	**108.6**	**115.0**	#121
Ground Vibration	Per Blast	10.04.2018	5 - trigger point >0.27	mm/s	**1.79**	**Nil Trigger**	#122
Overpressure	Per Blast	10.04.2018	115 - Trigger point >100	dB	**104.1**	**Nil Trigger**	#122
Ground Vibration	Per Blast	29.06.2018	5 - trigger point >0.27	5 - trigger point >0.27	**1.6**	**0.51**	#123
Overpressure	Per Blast	29.06.2018	115 - Trigger point >100	115 - Trigger point >100	**105.1**	**101.9**	#123
Ground Vibration	Per Blast	20.08.2018	5 - trigger point >0.27	5 - trigger point >0.30	**2.38**	**Nil Trigger**	#124
Overpressure	Per Blast	20.08.2018	115 - Trigger point >100	115 - Trigger point >100	**113.3**	**Nil Trigger**	#124
Ground Vibration	Per Blast	05.02.2019	5 - trigger point >0.27	5 - trigger point >0.30	**3.55**	**3.17**	#125
Overpressure	Per Blast	05.02.2019	115 - Trigger point >100	115 - Trigger point >100	**109.8**	**114.6**	#125

Tumbulgum EPL 3430

Tumbulgum Point 1	**WM 1**	**Pollutant**	**OIL and Grease -**10 Milligrams per lt.	**Total Suspended Solids** Max 50 Milligrams per litre	**pH (wet)** Range 6.5 to 8.5	**Requirement to Monitor Volume or Mass**	
Month	**Number of Samples**	**Frequency**	Less than 24 hours before Discharge	Less than 24 hours before Discharge	Less than 24 hours before Discharge	Daily when wastes (water) discharged Klitres per day	Why Sampled - Discharge or Random?
Jul-2019	0						Nil Discharge
Aug-2019							
Sep-2019							
Oct-2019							
Nov-2019							
Dec-2019							
Jan-2020							
Feb-2020							
Mar-2020							
Apr-2020							
May-2020							
Jun-2020							

Tumbulgum Point 2	**WM 2**	**Pollutant**	**OIL and Grease -**10 Milligrams per lt.	**Total Suspended Solids** Max 50 Milligrams per litre	**pH (wet)** Range 6.5 to 8.5	**Requirement to Monitor Volume or Mass**	
Month	**Number of Samples**	**Frequency**		Monthly during discharge	<24hrs prior to discharge	Daily when wastes (water) discharged Klitres per day	Why Sampled - Discharge or Random?
Jul-2019	0						Nil Discharge
Aug-2019							
Sep-2019							
Oct-2019							
Nov-2019							
Dec-2019							
Jan-2020							
Feb-2020							
Mar-2020							
Apr-2020							
May-2020							
Jun-2020							

Tumbulgum EPL 3430

Tumbulgum Blast Monitoring results

Blasting	Frequency	Date	Limits	Units of measure	Loc # 1 - 43 Pollard Rd	Loc # 2 - 2 Pollard Rd	Loc # 3 - 729 - 731 Dulguigan Rd	Blast #
Ground Vibration	Per Blast	12.06.2018	5 - trigger point >0.26	mm/s	1.02	1.17	Not required	#39
Overpressure	Per Blast	12.06.2018	Max 115 - Trigger point >100	dB	107.5	104.2	Not required	#39
Ground Vibration	Per Blast	02.07.2018	5 - trigger point >0.26	mm/s	1.27	1.29	Not required	#40
Overpressure	Per Blast	02.07.2018	Max 115 - Trigger point >100	dB	101.9	107.0	Not required	#40
Ground Vibration	Per Blast	28.09.2018	5 - trigger point >0.26	mm/s	0.52	0.76	Not required	#41
Overpressure	Per Blast	28.09.2018	Max 115 - Trigger point >100	dB	106	106.0	Not required	#41
Ground Vibration	Per Blast	16.10.2018	5 - trigger point >0.26	mm/s	0.71	0.58	Not required	#42
Overpressure	Per Blast	16.10.2018	Max 115 - Trigger point >100	dB	106.0	108.0	Not required	#42
Ground Vibration	Per Blast	25.01.2019	5 - trigger point >0.26	mm/s	0.74	0.49	Not required	#43
Overpressure	Per Blast	25.01.2019	Max 115 - Trigger point >100	dB	103.5	106	Not required	#43
Ground Vibration	Per Blast	30.04.2019	5 - trigger point >0.26	mm/s	0.6	0.95	Not required	#44
Overpressure	Per Blast	30.04.2019	Max 115 - Trigger point >100	dB	104.9	102.8	Not required	#44

Ground Vibration	Per Blast	30.04.2019	5 - trigger point >0.26	mm/s	No Trigger	No Trigger	Not required	#45
Overpressure	Per Blast	30.04.2019	Max 115 - Trigger point >100	dB	No Trigger	No Trigger	Not required	#45
Ground Vibration	Per Blast	21.06.2019	5 - trigger point >0.26	mm/s	1.1	0.83	Not required	#46
Overpressure	Per Blast	21.06.2019	Max 115 - Trigger point >100	dB	104.2	108	Not required	#46
Ground Vibration	Per Blast	02.08.2019	5 - trigger point >0.26	mm/s	0.51	0.71	Not required	#47
Overpressure	Per Blast	02.08.2019	Max 115 - Trigger point >100	dB	106.0	107.0	Not required	#47

Yarrabee Rd Quarry - Licence Number 11462

Yarrabee Rd Point 3		**Pollutant**	**Total Suspended Solids** Max 50 Milligrams per litre	**pH (wet)** Range 6.5 to 8.5	**Requirement to Monitor Volume or Mass**	
Month	**Number of Samples**	**Frequency**	<24hrs prior to discharge	<24hrs prior to discharge	Daily when wastes (water) discharged Litres per day	
06.03.2017	1		7	8.2	0	Sample only
01.05.2017	1		<3	8.9	0	Sample only
29.11.2017	1		30	8.3	0	Sample only
08.03.2018	1		5	7.8	0	Sample only
29.10.2018	1		4	7.9	0	Sample only
Number of samples	5					

Mean	**11.50**	**8.22**	**-**
Lowest	**4.00**	**7.80**	**-**
Highest	**30.00**	**8.90**	**-**

Yarrabee Rd Quarry - Licence Number 11462

Blasting	**Frequency**	Date	Limits	Units of measure	Results	Blast #	Blast ID
Ground Vibration	Per Blast	03.07.2018	5 - trigger point >0.50	mm/s	**0.80**	#75	YRQ-1804
Overpressure	Per Blast	03.07.2018	Max 115 - Trigger point >100dB	dB	**111.0**	#75	YRQ-1804
Ground Vibration	Per Blast	31.07.2018	5 - trigger point >0.50	mm/s	**1.37**	#76	YRQ-1805
Overpressure	Per Blast	31.07.2018	Max 115 - Trigger point >100dB	dB	**114.3**	#76	YRQ-1805
Ground Vibration	Per Blast	17.09.2018	5 - trigger point >0.50	mm/s	**0.77**	#77	YRQ-1806
Overpressure	Per Blast	17.09.2018	Max 115 - Trigger point >100dB	dB	**106.3**	#77	YRQ-1806
Ground Vibration	Per Blast	30.10.2018	5 - trigger point >0.50	mm/s	**Nil Trigger**	#78	YRQ-1807
Overpressure	Per Blast	30.10.2018	Max 115 - Trigger point >100dB	dB	**Nil Trigger**	#78	YRQ-1807
Ground Vibration	Per Blast	20.11.2018	5 - trigger point >0.50	mm/s	**0.56**	#79	YRQ-1808
Overpressure	Per Blast	20.11.2018	Max 115 - Trigger point >100dB	dBl	**108.8**	#79	YRQ-1808
Ground Vibration	Per Blast	21.01.2019	5 - trigger point >0.50	mm/s	**0.65**	#80	YRQ-1901
Overpressure	Per Blast	21.01.2019	Max 115 - Trigger point >100dB	dBl	**110.2**	#80	YRQ-1901
Ground Vibration	Per Blast	06.03.2019	5 - trigger point >0.50	mm/s	**0.87**	#81	YRQ-1902
Overpressure	Per Blast	06.03.2019	Max 115 - Trigger point >100dB	dBl	**103.9**	#81	YRQ-1902
Ground Vibration	Per Blast	15.04.2019	5 - trigger point >0.50	mm/s	**0.84**	#82	YRQ-1903
Overpressure	Per Blast	15.04.2019	Max 115 - Trigger point >100dB	dBl	**110.2**	#82	YRQ-1903
Ground Vibration	Per Blast	19.07.2019	5 - trigger point >0.50	mm/s	**0.71**	#83	YRQ-1904
Overpressure	Per Blast	19.07.2019	Max 115 - Trigger point >100dB	dBl	**107.8**	#83	YRQ-1904