

AuS-10 Rhyolite - Licence number 12323

Licence Discharge Point 1

The concentration limits stipulated by condition L2.1/L2.4 for EPA Identification Points 1,8, 9, 10 and 11 are deemed not to apply when the discharge from the stormwater control structures (sediment basins) occurs solely as a result of rainfall measured at the premises which exceeds:
a) a total of 44 millimetres of rainfall over any consecutive 5 day period.

Dam 1 - SB1 - EPL Point 1

Guidance range		Range - 6.5 - 8.5		<1500us/cm		Limit <30 mg/l		Limit - 20		Limit - 10	
Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment	
Jul-2021	0									Nil Discharge	
Aug-2021	0									Nil Discharge	
Sep-2021	0									Nil Discharge	
Oct-2021											
Nov-2021											
Dec-2021											
Jan-2022											
Feb-2022											
Mar-2022											
Apr-2022											
May-2022											
Jun-2022											
Total	0	0	0	0	0	0	0	0	0		
Mean		#DIV/0!	#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	0.00		
Highest		0.00	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 Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
26.07.2021	1	7.3	343	5.7	214	6	<2	<5		Monthly Sample
25.08.2021	1	7.1	342	15	194	20	<2	<5		Monthly Sample
27.09.2021	1	7.7	349	2.3	195	5	<2	<5		Monthly Sample
Oct-2021										
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
Total	22.1	1034	23	603	31	0	0			
Mean		7.37	344.67	7.67	201.00	10.33	#DIV/0!	#DIV/0!		
Lowest		7.10	342.00	2.30	194.00	5.00	0.00	0.00		
Highest		7.70	349.00	15.00	214.00	20.00	0.00	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 Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
09.07.2021	1	7.8		1.8		<5		<5		EPL 10 discharge
26.07.2021	1	6.6	345	7.6	197	8	<2	<5		Monthly Sample
29.07.2021	1	7.8		4.1		<5		<5		EPL 10 discharge
11.08.2021	1	8.1		3.2		<5		<5		EPL 10 discharge
25.08.2021	1	7.4	333	21	194	37	<2	<5		Monthly Sample
26.08.2021	1	8.0		5.9		12		<5		EPL 10 discharge
27.08.2021	1	7.5		7.8		11		<5		EPL 10 discharge
03.09.2021	1	8.0		5.3		<5		<5		EPL 10 discharge
17.09.2021	1	7.7		2.7		<5		<5		EPL 10 discharge
28.09.2021	1	5.8		7.0		<5		<5		EPL 10 discharge
27.09.2021	1	7.6	326	0.2	180	6	<2	<5		Monthly Sample
Oct-2021										
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!	#DIV/0!
Mean		7.48	334.67	6.05	190.33	14.80	#DIV/0!	#DIV/0!		
Lowest		5.80	326.00	0.20	180.00	6.00	0.00	0.00		
Highest		8.10	345.00	21.00	197.00	37.00	0.00	0.00		

Dust Monitoring EPL Point 4

Month	Number of Samples	Sawmill	Insoluble Solids	Combustible Matter	Ash
Jul-2021	continuous	Sawmill	0.2	<0.1	0.2
Aug-2021	continuous	Sawmill	0.5	0.4	0.1
Sep-2021	continuous	Sawmill	0.8	0.4	0.4
Oct-2021	continuous	Sawmill			
Nov-2021	continuous	Sawmill			
Dec-2021	continuous	Sawmill			
Jan-2022	continuous	Sawmill			
Feb-2022	continuous	Sawmill			
Mar-2022	continuous	Sawmill			
Apr-2022	continuous	Sawmill			
May-2022	continuous	Sawmill			
Jun-2022	continuous	Sawmill			
Mean		1.5	0.8	0.7	
Lowest		0.50	0.40	0.23	
Highest		0.8	0.4	0.4	

Dust Monitoring EPL Point 5

Month	Number of Samples	Baners Lane	Insoluble Solids	Combustible Matter	Ash
Jul-2021	continuous	Baners Lane	0.5	0.3	0.2
Aug-2021	continuous	Baners Lane	0.5	0.4	0.1
Sep-2021	continuous	Baners Lane	0.8	0.6	0.2
Oct-2021	continuous	Baners Lane			
Nov-2021	continuous	Baners Lane			
Dec-2021	continuous	Baners Lane			
Jan-2022	continuous	Baners Lane			
Feb-2022	continuous	Baners Lane			
Mar-2022	continuous	Baners Lane			
Apr-2022	continuous	Baners Lane			
May-2022	continuous	Baners Lane			
Jun-2022	continuous	Baners Lane			
Mean		1.8	1.3	0.5	
Lowest		0.60	0.43	0.17	
Highest		0.8	0.6	0.2	

Dust Monitoring EPL Point 6

Month	Number of Samples	Bald Hill	Insoluble Solids	Combustible Matter	Ash
Jul-2021	continuous	Bald Hill	0.5	0.3	0.2
Aug-2021	continuous	Bald Hill	0.5	0.4	0.1
Sep-2021	continuous	Bald Hill	1.4	0.9	0.5
Oct-2021	continuous	Bald Hill			
Nov-2021	continuous	Bald Hill			

Dec-2021	continuous	Bald Hill								
Jan-2022	continuous	Bald Hill								
Feb-2022	continuous	Bald Hill								
Mar-2022	continuous	Bald Hill								
Apr-2022	continuous	Bald Hill								
May-2022	continuous	Bald Hill								
Jun-2022	continuous	Bald Hill								
			2.4	1.6	0.8					
	Mean		0.80	0.53	0.27					
	Lowest		0.5	0.3	0.1					
	Highest		1.4	0.9	0.5					

ND - Not Detected

EPL POINT 8

Dam 2 - SB2b

Range - 6.5 - 8.5

Month	Number of Samples	pH	Electrical Conductivity	Turbidity	Total Dissolved Solids	Total Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
Jul-2021	0									Nil Discharge
Aug-2021	0									Nil Discharge
Sep-2021	0									Nil Discharge
Oct-2021										
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
	Mean	0.00	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	0.00	
	Highest	0.00	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 Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
Jul-2021	0									Nil Discharge
Aug-2021	0									Nil Discharge
Sep-2021	0									Nil Discharge
Oct-2021										
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
	Mean	#DIV/0!	#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	0.00	
	Highest	0.00	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 Suspended Solids	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
08.07.2018	1	7.8		1.6		<5		<5	0	Sample only - No Discharge
09.07.2019	1	8.0		1.8		<5		<5	1000	Discharge
28.07.2020	1	7.6		0.95		<5		<5	0	Sample only - No Discharge
29.07.2021	1	7.6		2.1		<5		<5	1000	Discharge
10.08.2021	1	6.8		5.5		<5		<5	0	Sample only - No Discharge
11.08.2021	1	8.5		2.9		<5		<5	1000	Discharge
25.08.2021	1	8		3.4		<5		<5	0	Sample only - No Discharge
26.08.2021	1	8.3		55		34		<5	1000	Discharge - 80.27mm rain recorded at Quarry between 23rd - 27th August
27.08.2021	1	7.8		33		30		<5	1000	Discharge - 80.27mm rain recorded at Quarry between 23rd - 27th August
02.09.2021	1	7.7	642	7.4		<5		<5	1000	Sample only - No Discharge
03.09.2021	1	8.3		5.6		<5		<5	1000	Discharge
16.09.2021	1	8	653	1.6		<5		<5	1000	Sample only - No Discharge
17.09.2021	1	7.9		2.2		<5		<5	1000	Discharge
27.09.2021	1	7.7		1.6		<5		<5	1000	Sample only - No Discharge
28.09.2021	1	7.6		2.0		<5		<5	1000	Discharge
14.10.2021	1	7.3	588	2.9					0	Sample only - No Discharge
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
	Mean	7.81	1883	23.3	0	32.00	#DIV/0!	#DIV/0!	#DIV/0!	
	Lowest	6.80	627.67	9.63	0.00	30.00	0.00	0.00	0.00	
	Highest	8.50	653.00	55.00	0.00	34.00	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	Total Suspended	Oxygen demand	Oil/Grease	Volume Discharged - KL - Estimated	Comment
Jul-2021	0									Nil Discharge
Aug-2021	0									Nil Discharge
Sep-2021	0									Nil Discharge
Oct-2021										
Nov-2021										
Dec-2021										
Jan-2022										
Feb-2022										
Mar-2022										
Apr-2022										
May-2022										
Jun-2022										
	Mean	0.00	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	0.00	
	Highest	0.00	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	2nd Monitor 781
Ground Vibration	Per Blast	03.02.2021	197	5 - trigger point >0.51	mm/s	Nil Trigger	0.82
Overpressure	Per Blast	03.02.2021	197	115 - Trigger point <=88	dB	Nil Trigger	Nil Trigger
Ground Vibration	Per Blast	05.03.2021	198	5 - trigger point >0.51	mm/s	Nil Trigger	Nil Trigger
Overpressure	Per Blast	05.03.2021	198	115 - Trigger point <=88	dB	Nil Trigger	Nil Trigger
Ground Vibration	Per Blast	31.03.2021	199 A & B	5 - trigger point >0.51	mm/s	Nil Trigger	Nil Trigger
Overpressure	Per Blast	31.03.2021	199 A & B	115 - Trigger point <=88	dB	Nil Trigger	Nil Trigger
Ground Vibration	Per Blast	22.04.2021	200	5 - trigger point >0.51	mm/s	Nil Trigger	Nil Trigger
Overpressure	Per Blast	22.04.2021	200	115 - Trigger point <=88	dB	Nil Trigger	Nil Trigger

Ground Vibration	Per Blast	18.05.2021	201	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	18.05.2021	201	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	27.05.2021	202	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	27.05.2021	202	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	16.06.2021	203	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	16.06.2021	203	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	30.06.2021	204	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	30.06.2021	204	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	16.07.2021	205	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	16.07.2021	205	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	18.08.2021	206	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	18.08.2021	206	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	31.08.2021	207 A & B	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	31.08.2021	207 A & B	115 - Trigger point <88	dB	NII Trigger	NII Trigger
Ground Vibration	Per Blast	21.09.2021	208	5 - trigger point >0.51	mm/s	NII Trigger	NII Trigger
Overpressure	Per Blast	21.09.2021	208	115 - Trigger point <88	dB	NII Trigger	NII Trigger

Grant's Head Quarry - Licence Number 4040

EPL Point 1 - sump	Pollutant	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc	Comment
Month	Units of Measure	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
	Number of Samples										ERM Qtrly sample
10.06.2021	1	0.13	<0.001	0.0004	0.002	0.25	0.001	<0.0001	0.028	0.081	Hy-Tec Qtrly Sample - NO Discharge
24.08.2021	1	0.326	0.0002	0.0006	0.0005	0.293	0.0004	<0.00001	0.0245	0.071	

Wetland site (new Oct 2018)	Pollutant	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
Date	Units of Measure	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
10.06.2021	No. of samples									
	1	0.23	<0.001	<0.0002	<0.001	0.097	0.005	<0.0001	0.013	0.12

Wetland site	Pollutant	pH	µS/cm
Date	Units of Measure	mg/l	mg/l
10.06.2021		6.19	1380

EPL Point 1 - sump	Pollutant	Units of Measure	pH (wet) Range	Electrical Conductivity	Turbidity	Total Suspended Solids Max 30	Oil and Grease	Hours of pump operation	Requirement to Monitor Volume or Mass - KL
Month	Number of	pH	µS/cm	NTU	mg/l	Visible	Hours	KL	
21.06.2021	1	6.6	270	11	11	<5	24	6,825.6	
08.07.2021	1	5.8	278	3.6	5	<5	24	6,825.6	
24.08.2021	1	5.9	332	1.3	4	<5	24	6,825.6	
22.09.2021	1	5.5	359	1.8	3	<5	24	6,825.6	
Mean		5.95	309.75	4.43	5.75	#DIV/0!			
Lowest		5.50	270.00	1.30	3.00	0.00			
Highest		6.60	359.00	11.00	11.00	0.00			

Total Suspended Solids Max 30	27,302.4
Milligrams per litre	Oil and Grease
	6
	<5

Grant's Head Points	Position ID	Standing Water	Position ID	Standing Water Level
Date	Quarterly	Quarterly	Quarterly	Quarterly
08.04.2021	MW05	4.949	MW06	4.905
10.06.2021	MW05	4.829	MW06	4.905
Mean	#DIV/0!	Mean	#DIV/0!	
Lowest	0.00	Lowest	0.00	
Highest	0.00	Highest	0.00	

EPL Point 1 - sump	Pollutant	pH (wet) Range 5.3	Electrical
Date	Units of	pH	µS/cm
20.05.2020	1	6.5	375
Mean	#DIV/0!	#DIV/0!	#DIV/0!
Lowest	0.00	0.00	0.00
Highest	0.00	0.00	0.00

Grant's Head Point 4	Position ID	Conductivity	pH	Standing Water Level	Aluminium	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
09.04.2021	NW01D	346	4.0	0.28	0.45	<0.001	<0.002	<0.001	0.022	0.002	<0.0001	0.007	0.039
10.06.2021	NW01D	410.5	5.33	0.400	0.33	<0.001	<0.0002	<0.001	0.002	<0.001	<0.0001	0.004	0.012

09.04.2021	NW01S	297	4.64	0.81	0.26	<0.001	<0.0002	<0.001	0.013	<0.001	<0.0001	0.002	0.025
10.06.2021	NW01S	369.3	5.3	0.989	0.07	<0.001	<0.0002	<0.001	0.013	<0.001	<0.0001	0.01	0.051

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
09.04.2021	NW02D	629	5.74	1.15	<0.05	0.002	<0.0002	<0.001	0.004	<0.001	<0.0001	0.021	0.021
10.06.2021	NW02D	775	6.86	0.86	<0.05	0.004	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.005	<0.005
09.04.2021	NW02S	320	5.1	-7.78	0.76	<0.001	<0.0002	<0.001	0.017	<0.001	<0.0001	0.002	0.024
10.06.2021	NW02S	522	6.88	-8.66	0.73	<0.001	<0.0002	<0.001	0.004	<0.001	<0.0001	0.001	0.012

NW02S	Mean	#DIV/0!	NW02D	Mean	#DIV/0!
NW02S	Lowest	0.00	NW02D	Lowest	0.00
NW02S	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
09.04.2021	NW03D-A	679	6.47	-11.785	<0.05	0.003	<0.0002	<0.001	0.01	<0.001	<0.0001	0.006	0.0045
10.06.2021	NW03D-A	790	6.61	-12.07	<0.05	0.005	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.009	<0.005
09.04.2021	NW03S-A	360	4.8	-11.695	<0.05	0.002	<0.0002	<0.001	0.002	<0.001	<0.0001	0.017	0.03
10.06.2021	NW03S-A	484.9	6.08	-11.933	<0.25	0.056	<0.001	<0.005	<0.005	<0.005	<0.0005	0.005	<0.025

NW03D-A	Mean	#DIV/0!	NW03S-A	Mean	#DIV/0!
NW03D-A	Lowest	0.00	NW03S-A	Lowest	0.00
NW03D-A	Highest	0.00	NW03S-A	Highest	0.00

Grant's Head Quarry - Licence Number 4040

Blasting	Frequency	Date	Limits	Units of measure	Results Bonny Hills 1st House	Results - Sherrord Park	Blast No #
Ground Vibration	Per Blast	22.01.2020	5 - trigger point >0.27	5 - trigger point >0.30	3.07	Nil Trigger	#126
Overpressure	Per Blast	22.01.2020	115 - Trigger point >100	115 - Trigger point >100	105.7	Nil Trigger	#126
Ground Vibration	Per Blast	09.04.2020	5 - trigger point >0.27	5 - trigger point >0.30	Nil Trigger	Nil Trigger	#127
Overpressure	Per Blast	09.04.2020	115 - Trigger point >100	115 - Trigger point >100	Nil Trigger	Nil Trigger	#127
Ground Vibration	Per Blast	25.06.2020	5 - trigger point >0.27	5 - trigger point >0.30	1.7	Nil Trigger	#128
Overpressure	Per Blast	25.06.2020	115 - Trigger point >100	115 - Trigger point >100	111.5	Nil Trigger	#128
Ground Vibration	Per Blast	20.11.2020	5 - trigger point >0.27	5 - trigger point >0.30	3.24	0.13	#129
Overpressure	Per Blast	20.11.2020	115 - Trigger point >100	115 - Trigger point >100	82.7	112.0	#129
Ground Vibration	Per Blast	04.06.2021	5 - trigger point >0.27	5 - trigger point >0.30	3.96	0.13	#130
Overpressure	Per Blast	04.06.2021	115 - Trigger point >100	115 - Trigger point >100	108.5	100.0	#130

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	Why Sampled - Discharge or Random?
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-2021	0						Nil Discharge
Aug-2021	0						Nil Discharge
Sep-2021	0						Nil Discharge
Oct-2021							
Nov-2021							
Dec-2021							
Jan-2022							
Feb-2022							
Mar-2022							
Apr-2022							
May-2022							
Jun-2022							

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	Why Sampled - Discharge or Random?
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-2021	0						Nil Discharge
Aug-2021	0						Nil Discharge
Sep-2021	0						Nil Discharge
Oct-2021							
Nov-2021							
Dec-2021							
Jan-2022							
Feb-2022							
Mar-2022							
Apr-2022							
May-2022							
Jun-2022							

EPL requirements testing	Site Location	Pollutant	Oil and Grease -10	Total Suspended Solids	pH (wet) Range 6.5	Monitor Volume	
Date	location	Samples		Monthly during	<24hrs prior to	Daily when	Why Sampled -
11.02.2020	SB3	1	<2	4.8	3.9		300mm Rainfall
13.03.2020	Pit	1	<2	2	3.3		

EPL 3430 - Condition L2.5 The concentration limits in the above tables do not apply to any discharge from the final sediment basin arising from rainfall exceeding 82.5mm in total falling over any consecutive five day period.

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	19.02.2021	5 - trigger point >0.26	mm/s	0.64	0.83	Not required	#70
Overpressure	Per Blast	19.02.2021	Max 115 - Trigger point >100	dB	109.9	106.0	Not required	#70
Ground Vibration	Per Blast	11.12.2020	5 - trigger point >0.26	mm/s	0.66	No Trigger	Not required	#71
Overpressure	Per Blast	11.12.2020	Max 115 - Trigger point >95	dB	97.5	No Trigger	Not required	#71
Ground Vibration	Per Blast	19.02.2021	5 - trigger point >0.26	mm/s	0.34	1.56	Not required	#72
Overpressure	Per Blast	19.02.2021	Max 115 - Trigger point >100	dB	108.8	113.8	Not required	#72
Ground Vibration	Per Blast	26.02.2021	5 - trigger point >0.26	mm/s	0.41	0.32	Not required	#73
Overpressure	Per Blast	26.02.2021	Max 115 - Trigger point >100	dB	98.8	101.9	Not required	#73
Ground Vibration	Per Blast	01.04.2021	5 - trigger point >0.26	mm/s	0.33	0.51	Not required	#74
Overpressure	Per Blast	01.04.2021	Max 115 - Trigger point >100	dB	101.0	104.9	Not required	#74
Ground Vibration	Per Blast	01.04.2021	5 - trigger point >0.26	mm/s	0.59	0.64	Not required	#75
Overpressure	Per Blast	01.04.2021	Max 115 - Trigger point >100	dB	101.9	105.5	Not required	#75
Ground Vibration	Per Blast	07.05.2021	5 - trigger point >0.26	mm/s	1.59	0.60	Not required	#76
Overpressure	Per Blast	07.05.2021	Max 115 - Trigger point >100	dB	107.0	104.9	Not required	#76
Ground Vibration	Per Blast	07.05.2021	5 - trigger point >0.26	mm/s	1.59	0.60	Not required	#77
Overpressure	Per Blast	07.05.2021	Max 115 - Trigger point >100	dB	107.0	104.9	Not required	#77
Ground Vibration	Per Blast	17.06.2021	5 - trigger point >0.26	mm/s	0.48	0.67	Not required	#78
Overpressure	Per Blast	17.06.2021	Max 115 - Trigger point >100	dB	100.0	101.0	Not required	#78
Ground Vibration	Per Blast	09.07.2021	5 - trigger point >0.26	mm/s	No Trigger	1.03	Not required	#79
Overpressure	Per Blast	09.07.2021	Max 115 - Trigger point >100	dB	No Trigger	112.3	Not required	#79
Ground Vibration	Per Blast	26.07.2021	5 - trigger point >0.26	mm/s	0.34	0.30	Not required	#80
Overpressure	Per Blast	26.07.2021	Max 115 - Trigger point >100	dB	104.90	104.2	Not required	#80
Ground Vibration	Per Blast	26.07.2021	5 - trigger point >0.26	mm/s	0.86	0.61	Not required	#81
Overpressure	Per Blast	26.07.2021	Max 115 - Trigger point >100	dB	104.90	101.0	Not required	#81
Ground Vibration	Per Blast	02.08.2021	5 - trigger point >0.26	mm/s	No Trigger	0.66	Not required	#82
Overpressure	Per Blast	02.08.2021	Max 115 - Trigger point >100	dB	No Trigger	103.5	Not required	#82
Ground Vibration	Per Blast	16.09.2021	5 - trigger point >0.26	mm/s	No Trigger	1.14	Not required	#83
Overpressure	Per Blast	16.09.2021	Max 115 - Trigger point >100	dB	No Trigger	111.0	Not required	#83

Yarrabee Rd Quarry - Licence Number 11462

Yarrabee Rd Point 3		Pollutant	Total Suspended Solids	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	
16.10.2019	1		10	8.8	0	Sample only
02.03.2020	1		6	8.4	0	Sample only
10.06.2020	1		24	8	2.7ML	Pump discharge
21.04.2021	1		7	8.2	0	Sample only
Number of samples		4				
Mean			11.75	8.35	-	
Lowest			6.00	8.00	-	
Highest			24.00	8.80	-	

EPL 11462 - Condition L2.2 The concentration limits in the below table do not apply to any discharge from sediment pond (at Point 3) solely arising from rainfall exceeding 90th percentile (70 mm) 5 day rainevent in total falling over any consecutive five day period

Yarrabee Rd Quarry - Licence Number 11462

Blasting	Frequency	Date	Limits	Units of measure	Results	Blast #	Blast ID
Ground Vibration	Per Blast	14.01.2020	5 - trigger point >0.30	mm/s	Nil Trigger	#85	YRQ-2001
Overpressure	Per Blast	14.01.2020	Max 115 - Trigger point >100dB	dB	Nil Trigger	#85	YRQ-2001
Ground Vibration	Per Blast	31.03.2020	5 - trigger point >0.30	mm/s	Nil Trigger	#86	YRQ-2002
Overpressure	Per Blast	31.03.2020	Max 115 - Trigger point >100dB	dB	Nil Trigger	#86	YRQ-2002
Ground Vibration	Per Blast	26.05.2020	5 - trigger point >0.30	mm/s	1.02	#87	YRQ-2003
Overpressure	Per Blast	26.05.2020	Max 115 - Trigger point >100dB	dB	104.3	#87	YRQ-2003
Ground Vibration	Per Blast	09.09.2020	5 - trigger point >0.30	mm/s	Nil Trigger	#88	YRQ-2004
Overpressure	Per Blast	09.09.2020	Max 115 - Trigger point >100dB	dB	Nil Trigger	#88	YRQ-2004
Ground Vibration	Per Blast	02.12.2020	6 - trigger point >0.30	mm/s	2.46	#89	YRQ-2005
Overpressure	Per Blast	02.12.2020	Max 115 - Trigger point >100dB	dB	113.8	#89	YRQ-2005
Ground Vibration	Per Blast	29.01.2021	6 - trigger point >0.30	mm/s	Nil Trigger	#90	YRQ-2101
Overpressure	Per Blast	29.01.2021	Max 115 - Trigger point >100dB	dB	Nil Trigger	#90	YRQ-2101
Ground Vibration	Per Blast	07.04.2021	6 - trigger point >0.30	mm/s	Nil Trigger	#91	YRQ-2102
Overpressure	Per Blast	07.04.2021	Max 115 - Trigger point >100dB	dB	Nil Trigger	#91	YRQ-2102
Ground Vibration	Per Blast	10.05.2021	6 - trigger point >0.30	mm/s	2.48	#92	YRQ-2103
Overpressure	Per Blast	10.05.2021	Max 115 - Trigger point >100dB	dB	109.5	#92	YRQ-2103
Ground Vibration	Per Blast	22.06.2021	6 - trigger point >0.30	mm/s	Nil Trigger	#92	YRQ-2104
Overpressure	Per Blast	22.06.2021	Max 115 - Trigger point >100dB	dB	Nil Trigger	#92	YRQ-2104
Ground Vibration	Per Blast	28.07.2021	6 - trigger point >0.30	mm/s	1.26	#92	YRQ-2105
Overpressure	Per Blast	28.07.2021	Max 115 - Trigger point >100dB	dB	109.7	#92	YRQ-2105